

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: AC 600 | Date of Summary: 21-MAY-1997 | First Sample Examined: 9290 |
| Lease Number: G08580 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 11253 |
| Well Name: 001 | Paleo Done By: ROBERT WITROCK | Borehole TVD: 11253 |
| API Well Number: 608054000100 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 50 |
| Paleo Report Num: 2 of 3 | Sample Range: 9290 - 11254 | Water Depth: 7620 |
| Public Info Code: Y 22-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 9290 / 9290 | DEF AT first sample examined | DEF AT 5 |
| 9500 / 9500 | DEF AT sand | DEF AT 5 |
| 9560 / 9560 | POS AT Upper Oligocene (Chattian) Globigerina sellii | DEF AT 5 |
| 9800 / 9800 | DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis | DEF AT 5 |
| 10100 / 10100 | DEF IN Upper Eocene (Priabonian) Globorotalia pomeroli | DEF AT 5 |
| 10370 / 10370 | POS AT Middle Eocene (Bartonian) Orbulinoides beckmanni | DEF AT 5 |
| 10760 / 10760 | DEF AT Middle Eocene (Bartonian) Acarinina broedermanni | DEF AT 5 |
| 10820 / 10820 | DEF AT drilling material | DEF AT 5 |
| 10880 / 10880 | POS AT Lower Eocene (Ypresian) Acarinina soldadoensis | DEF AT 5 |
| 10940 / 10940 | DEF AT drilling material | DEF AT 5 |
| 10970 / 10970 | DEF AT Lower Eocene (Ypresian) Morozovella quetra | DEF AT 5 |
| 11030 / 11030 | DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae | DEF AT 5 |
| 11090 / 11090 | DEF AT Lower Eocene (Ypresian) Morozovella acuta | DEF AT 5 |
| 11240 / 11240 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: AT 8 | Date of Summary: 01-MAR-1997 | First Sample Examined: 5400 |
| Lease Number: G09995 | Source of Paleo: OPERATOR | Borehole MD: 20960 |
| Well Name: 001 | Paleo Done By: BUGWARE, INC. | Borehole TVD: 20709 |
| API Well Number: 608184000600 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 3 | Sample Range: 5400 - 13920 | Water Depth: 3135 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5400 / 5400 | DEF AT first sample examined | DEF AT |
| 9660 / 9660 | DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta | DEF AT |
| 10860 / 10860 | DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima | DEF AT |
| 11550 / 11550 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 12300 / 12300 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 13890 / 13888 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 13920 / 13918 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: AT 8 | Date of Summary: 17-MAY-1997 | First Sample Examined: 5220 |
| Lease Number: G09995 | Source of Paleo: OPERATOR | Borehole MD: 20960 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 20709 |
| API Well Number: 608184000600 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 3 | Sample Range: 5220 - 20960 | Water Depth: 3135 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 5220 / 5220 | DEF AT first sample examined | DEF IN 3 |
| 5280 / 5280 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 5700 / 5700 | DEF AT local marker foram increase | DEF AT 4 |
| 6060 / 6060 | DEF AT local marker foram increase | DEF AT 4 |
| 6210 / 6210 | DEF AT local marker foram increase | DEF AT 4 |
| 6390 / 6390 | DEF AT local marker foram increase | DEF AT 4 |
| 6810 / 6810 | DEF AT - - - - - | DEF IN 3 |
| 6870 / 6870 | DEF AT - - - - - | POS AT 3 |
| 6930 / 6930 | DEF AT - - - - - | DEF AT 4 |
| 6990 / 6990 | DEF AT local marker foram increase | DEF AT 4 |
| 7440 / 7440 | DEF AT - - - - - | DEF IN 3 |
| 7740 / 7740 | DEF AT local marker foram increase | DEF AT 4 |
| 7800 / 7800 | DEF AT transported outer shelf facies | DEF AT 4 |
| 8010 / 8010 | DEF AT - - - - - | DEF IN 3 |
| 8160 / 8160 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 9390 / 9390 | DEF AT - - - - - | DEF IN 3 |
| 9510 / 9510 | DEF AT sample gap top | DEF IN 3 |
| 9570 / 9570 | DEF AT sample gap bottom | DEF IN 3 |
| 9600 / 9600 | DEF AT sample gap top | DEF IN 3 |
| 9659 / 9659 | DEF AT sample gap bottom | DEF IN 3 |
| 9660 / 9660 | DEF AT local marker foram increase | DEF AT 4 |
| 9840 / 9840 | DEF AT - - - - - | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: AT 8 | Date of Summary: 17-MAY-1997 | First Sample Examined: 5220 |
| Lease Number: G09995 | Source of Paleo: OPERATOR | Borehole MD: 20960 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 20709 |
| API Well Number: 608184000600 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 3 | Sample Range: 5220 - 20960 | Water Depth: 3135 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9870 / 9870 | DEF AT ----- | DEF AT 4 |
| 10020 / 10020 | DEF AT ----- | POS AT 3 |
| 10050 / 10050 | DEF AT local marker foram increase | DEF AT 4 |
| 10110 / 10110 | DEF AT local marker foram increase | DEF AT 4 |
| 10800 / 10800 | DEF AT ----- | DEF IN 3 |
| 10890 / 10890 | DEF AT ----- | DEF AT 4 |
| 10950 / 10950 | DEF AT local marker foram increase | POS IN 4 |
| 10980 / 10980 | DEF AT ----- | DEF AT 4 |
| 11100 / 11100 | DEF AT ----- | DEF IN 3 |
| 11190 / 11190 | DEF AT ----- | POS AT 4 |
| 11280 / 11280 | DEF AT sample gap top | POS AT 4 |
| 11370 / 11370 | DEF AT sample gap bottom | POS AT 4 |
| 11550 / 11550 | DEF AT ----- | DEF IN 3 |
| 12330 / 12330 | DEF AT ----- | POS AT 4 |
| 12510 / 12510 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | POS IN 4 |
| 12540 / 12540 | DEF AT ----- | DEF AT 4 |
| 12750 / 12750 | DEF AT local marker planktic foram increase | DEF AT 4 |
| 12840 / 12840 | DEF AT reworked material | DEF AT 4 |
| 13200 / 13200 | DEF AT ----- | DEF IN 3 |
| 14310 / 14303 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 4 |
| 14370 / 14361 | DEF AT ----- | DEF IN 4 |
| 14490 / 14478 | DEF AT ----- | DEF AT 5 |
| 14610 / 14595 | DEF AT ----- | DEF IN 4 |
| 14640 / 14624 | DEF AT ----- | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: AT 8 | Date of Summary: 17-MAY-1997 | First Sample Examined: 5220 |
| Lease Number: G09995 | Source of Paleo: OPERATOR | Borehole MD: 20960 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 20709 |
| API Well Number: 608184000600 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 3 | Sample Range: 5220 - 20960 | Water Depth: 3135 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14820 / 14797 | DEF AT ----- | DEF IN 4 |
| 14850 / 14826 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 4 |
| 15030 / 14997 | DEF AT ----- | DEF AT 4 |
| 15090 / 15055 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 4 |
| 15210 / 15170 | DEF AT ----- | DEF AT 4 |
| 15240 / 15199 | DEF AT ----- | DEF IN 3 |
| 16050 / 15979 | DEF AT ----- | DEF AT 3 |
| 16080 / 16008 | DEF AT ----- | DEF IN 3 |
| 16110 / 16037 | DEF AT ----- | DEF AT 4 |
| 16140 / 16065 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 16410 / 16324 | DEF AT ----- | DEF IN 3 |
| 16680 / 16582 | DEF AT ----- | DEF AT 4 |
| 16710 / 16611 | DEF AT ----- | DEF IN 3 |
| 16980 / 16869 | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 3 |
| 17010 / 16897 | DEF AT ----- | DEF AT 4 |
| 17070 / 16954 | DEF AT ----- | DEF IN 3 |
| 17220 / 17097 | DEF AT ----- | DEF AT 3 |
| 17370 / 17241 | DEF AT ----- | DEF IN 3 |
| 17400 / 17269 | DEF AT ----- | DEF AT 3 |
| 17550 / 17413 | DEF AT local marker foram increase | DEF AT 3 |
| 17670 / 17527 | DEF AT ----- | DEF IN 3 |
| 17819 / 17670 | DEF AT ----- | DEF AT 4 |
| 17820 / 17671 | POS IN Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 17850 / 17699 | DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: AT 8 | Date of Summary: 17-MAY-1997 | First Sample Examined: 5220 |
| Lease Number: G09995 | Source of Paleo: OPERATOR | Borehole MD: 20960 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 20709 |
| API Well Number: 608184000600 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 3 | Sample Range: 5220 - 20960 | Water Depth: 3135 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 18060 / 17901 | POS AT reworked material | DEF AT 4 |
| 18119 / 17958 | DEF AT reworked material | DEF AT 4 |
| 18120 / 17959 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 18240 / 18074 | DEF AT ----- | DEF IN 3 |
| 18330 / 18161 | DEF AT local marker foram increase | DEF AT 4 |
| 18510 / 18333 | DEF AT local marker benthic foram increase | POS AT 3 |
| 18540 / 18362 | DEF AT ----- | DEF AT 4 |
| 18660 / 18477 | DEF AT ----- | DEF IN 3 |
| 18900 / 18709 | DEF AT ----- | DEF AT 3 |
| 19050 / 18854 | DEF AT local marker foram increase | DEF AT 3 |
| 19260 / 19057 | DEF AT ----- | POS IN 3 |
| 19590 / 19374 | DEF AT local marker foram increase | DEF AT 4 |
| 19890 / 19663 | DEF AT ----- | POS IN 3 |
| 19920 / 19692 | DEF AT ----- | POS AT 4 |
| 19980 / 19750 | DEF AT ----- | POS IN 3 |
| 20040 / 19808 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | POS IN 3 |
| 20070 / 19837 | DEF AT ----- | DEF AT 3 |
| 20190 / 19954 | DEF AT Arenaceous fauna (local marker) | DEF IN 3 |
| 20430 / 20188 | DEF AT local marker foram increase | DEF IN 3 |
| 20960 / 20710 | DEF AT last sample examined | DEF IN 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: AT 8 | Date of Summary: 19-MAR-1998 | First Sample Examined: 5220 |
| Lease Number: G09995 | Source of Paleo: OPERATOR | Borehole MD: 20960 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 20709 |
| API Well Number: 608184000600 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 84 |
| Paleo Report Num: 3 of 3 | Sample Range: 5220 - 20960 | Water Depth: 3135 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5220 / 5220 | DEF AT first sample examined | DEF AT 3 |
| 5221 / 5221 | POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 3 |
| 8160 / 8160 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 4 |
| 8161 / 8161 | POS IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 12300 / 12300 | POS AT unconformity | DEF AT 3 |
| 12301 / 12301 | DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 3 |
| 14309 / 14302 | POS AT unconformity | DEF AT 4 |
| 14310 / 14303 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 14370 / 14361 | DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 14371 / 14362 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 14430 / 14420 | DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 19620 / 19403 | DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 19621 / 19404 | DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus | DEF AT 4 |
| 20159 / 19924 | POS AT reworked material | DEF AT |
| 20160 / 19924 | POS AT Lower Pliocene (Zanclian) Sphenolithus grandis | DEF AT |
| 20959 / 20709 | POS AT reworked material | DEF AT |
| 20960 / 20710 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: AT 119 | Date of Summary: 10-FEB-1999 | First Sample Examined: 9975 |
| Lease Number: G10005 | Source of Paleo: OPERATOR | Borehole MD: 16518 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15969 |
| API Well Number: 608184001000 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 76 |
| Paleo Report Num: 1 of 1 | Sample Range: 9975 - 16480 | Water Depth: 7716 |
| Public Info Code: Y 29-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9975 / 9975 | DEF AT first sample examined | POS AT 4 |
| 10060 / 10060 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10240 / 10240 | DEF AT faunal change (no faunal increase) | DEF IN 2 |
| 10510 / 10510 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10750 / 10750 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF IN 2 |
| 10960 / 10960 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 11410 / 11410 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 11680 / 11680 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12085 / 12085 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 12429 / 12429 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | POS AT 4 |
| 12430 / 12430 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | POS AT 4 |
| 12460 / 12460 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | POS AT 4 |
| 12669 / 12667 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 12670 / 12668 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | POS AT 4 |
| 12760 / 12757 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13030 / 13023 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 13390 / 13369 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 14290 / 14164 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 14740 / 14518 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF IN 4 |
| 14830 / 14588 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 15130 / 14826 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT 5 |
| 15760 / 15339 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: AT 119 | Date of Summary: 10-FEB-1999 | First Sample Examined: 9975 |
| Lease Number: G10005 | Source of Paleo: OPERATOR | Borehole MD: 16518 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15969 |
| API Well Number: 608184001000 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 76 |
| Paleo Report Num: 1 of 1 | Sample Range: 9975 - 16480 | Water Depth: 7716 |
| Public Info Code: Y 29-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 15820 / 15388 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 16480 / 15937 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: AT 136 | Date of Summary: 03-JUN-1998 | First Sample Examined: 5900 |
| Lease Number: G10013 | Source of Paleo: OPERATOR | Borehole MD: 16432 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15944 |
| API Well Number: 608184000900 | Drilling Operator: BRITISH-BORNEO USA INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 2 | Sample Range: 5900 - 16400 | Water Depth: 3557 |
| Public Info Code: Y 21-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Paleo done by Bruce Desselle

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5900 / 5900 | DEF AT first sample examined | DEF IN 4 |
| 9050 / 9044 | DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 10490 / 10466 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 10580 / 10554 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 15260 / 14885 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 15950 / 15508 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 16010 / 15561 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 16040 / 15588 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 16129 / 15668 | DEF AT foram flood | DEF IN 5 |
| 16130 / 15669 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF IN 5 |
| 16160 / 15696 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 16400 / 15914 | DEF AT last sample examined | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: AT 136 | Date of Summary: 03-JUN-1998 | First Sample Examined: 5900 |
| Lease Number: G10013 | Source of Paleo: OPERATOR | Borehole MD: 16432 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15944 |
| API Well Number: 608184000900 | Drilling Operator: BRITISH-BORNEO USA INC | Rkb Elevation: 73 |
| Paleo Report Num: 2 of 2 | Sample Range: 5900 - 16400 | Water Depth: 3557 |
| Public Info Code: Y 21-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 5900 / 5900 | DEF AT first sample examined | DEF AT |
| 10400 / 10378 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 15949 / 15507 | POS AT unconformity | DEF AT |
| 15950 / 15508 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 16040 / 15588 | POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 16100 / 15642 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 16130 / 15669 | DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae | DEF AT |
| 16131 / 15670 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 16160 / 15696 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 16200 / 15732 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: AT 378 | Date of Summary: 10-MAR-1998 | First Sample Examined: 8360 |
| Lease Number: G08918 | Source of Paleo: OPERATOR | Borehole MD: 12074 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11900 |
| API Well Number: 608184000700 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 42 |
| Paleo Report Num: 1 of 1 | Sample Range: 8360 - 12075 | Water Depth: 5843 |
| Public Info Code: Y 12-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 8360 / 8360 | DEF AT first sample examined | DEF AT 3 |
| 8540 / 8540 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 8750 / 8750 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 9560 / 9560 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 10460 / 10458 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 2 |
| 10550 / 10547 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 2 |
| 11630 / 11537 | DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 2 |
| 11720 / 11613 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 11730 / 11621 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11780 / 11662 | DEF IN Upper Pliocene | DEF AT 4 |
| 11810 / 11687 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 11870 / 11735 | DEF IN Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT 4 |
| 12075 / 11899 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|------------------------------|
| Area Block: AT 378 | Date of Summary: 10-MAR-1998 | First Sample Examined: 11330 |
| Lease Number: G08918 | Source of Paleo: OPERATOR | Borehole MD: 14232 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13658 |
| API Well Number: 608184000701 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 42 |
| Paleo Report Num: 1 of 1 | Sample Range: 11330 - 14232 | Water Depth: 5843 |
| Public Info Code: Y 12-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11870 / 11733 | DEF AT first sample examined | DEF AT |
| 11871 / 11734 | DEF IN Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 12080 / 11903 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 12164 / 11970 | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF IN 4 |
| 12230 / 12023 | DEF AT sample gap top | POS AT 4 |
| 12500 / 12241 | DEF AT sample gap bottom | DEF AT 2 |
| 12650 / 12362 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 2 |
| 12680 / 12387 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 12710 / 12411 | DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus | DEF AT 3 |
| 12800 / 12484 | DEF AT sample gap top | POS AT 3 |
| 13520 / 13075 | DEF AT sample gap bottom | DEF AT 4 |
| 13610 / 13149 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 4 |
| 13640 / 13174 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 13670 / 13198 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 13730 / 13247 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 13850 / 13345 | DEF AT Middle Miocene (Serravallian) Discoaster kugleri | DEF AT 3 |
| 13970 / 13444 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 14120 / 13567 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 14232 / 13658 | DEF AT last sample examined | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 376 | Date of Summary: 13-JUL-1989 | First Sample Examined: 0 |
| Lease Number: G07215 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8678 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 8677 |
| API Well Number: 427044019000 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 60 |
| Public Info Code: Y 03-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6620 / 6620 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7923 / 7922 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: BA 376 | Date of Summary: 14-MAY-2001 | First Sample Examined: 0 |
| Lease Number: G07215 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10435 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10028 |
| API Well Number: 427044015800 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 55 |
| Public Info Code: Y 23-JAN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6750 / 6588 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7665 / 7446 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 377 | Date of Summary: 11-OCT-1996 | First Sample Examined: 0 |
| Lease Number: G09012 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12832 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10699 |
| API Well Number: 427044029600 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 73 |
| Public Info Code: Y 11-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6310 / 6309 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 11650 / 10093 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 12550 / 10557 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 378 | Date of Summary: 11-SEP-1997 | First Sample Examined: 0 |
| Lease Number: G13769 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8227 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7499 |
| API Well Number: 427044031300 | Drilling Operator: IP PETROLEUM COMPANY INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 73 |
| Public Info Code: Y 30-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7590 / 6961 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA 397 | Date of Summary: 21-OCT-1991 | First Sample Examined: 5470 |
| Lease Number: G09012 | Source of Paleo: OPERATOR | Borehole MD: 7455 |
| Well Name: 001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 7096 |
| API Well Number: 427044023100 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 5470 - 7440 | Water Depth: 80 |
| Public Info Code: Y 11-JUL-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5470 / 5276 | DEF AT first sample examined | DEF AT 1 |
| 5471 / 5277 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 5950 / 5707 | DEF AT poor sample interval top | DEF AT 1 |
| 6460 / 6171 | POS AT deepwater facies Harang | DEF AT 2 |
| 6850 / 6532 | DEF AT poor sample interval bottom | DEF AT 2 |
| 6880 / 6560 | POS AT faunal change (no faunal increase) | DEF AT 1 |
| 7270 / 6923 | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 1 |
| 7410 / 7054 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 397 | Date of Summary: 30-JUL-1991 | First Sample Examined: 0 |
| Lease Number: G09012 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7203 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 6804 |
| API Well Number: 427044023600 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 11-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5985 / 5648 | POS IN Miocene | DEF AT |
| 6980 / 6589 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA 397 | Date of Summary: 21-OCT-1991 | First Sample Examined: 5000 |
| Lease Number: G09012 | Source of Paleo: OPERATOR | Borehole MD: 7583 |
| Well Name: 003 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 7583 |
| API Well Number: 427044025200 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 7580 | Water Depth: 78 |
| Public Info Code: Y 11-JUL-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 5000 / 4999 | DEF AT first sample examined | DEF AT 1 |
| 5001 / 5000 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 6740 / 6739 | DEF AT local marker foram increase | DEF AT 2 |
| 7070 / 7069 | POS AT - - - - - | DEF AT 1 |
| 7400 / 7399 | DEF AT - - - - - | DEF AT 1 |
| 7580 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: BA 398 | Date of Summary: 24-APR-1986 | First Sample Examined: 3160 |
| Lease Number: G11270 | Source of Paleo: OPERATOR | Borehole MD: 16016 |
| Well Name: A001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 16016 |
| API Well Number: 427044015100 | Drilling Operator: CONOCO INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 2 | Sample Range: 3120 - 16016 | Water Depth: 77 |
| Public Info Code: Y 23-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 3120 / | DEF AT first sample examined | DEF AT |
| 3121 / | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 3630 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 4260 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 6300 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7260 / | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 7470 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8490 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 11700 / | POS IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 15180 / | POS AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT |
| 15480 / | POS AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 16016 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: BA 398 | Date of Summary: 30-MAR-1987 | First Sample Examined: 3120 |
| Lease Number: G11270 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 16016 |
| Well Name: A001 | Paleo Done By: ANTON FRIEDMANN | Borehole TVD: 16016 |
| API Well Number: 427044015100 | Drilling Operator: CONOCO INC | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 2 | Sample Range: 3120 - 16016 | Water Depth: 77 |
| Public Info Code: Y 23-MAY-1996 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3120 / | DEF AT first sample examined | DEF IN 1 |
| 3121 / | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 1 |
| 3780 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 4230 / | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 4890 / | DEF AT charophytes | DEF AT 1 |
| 6300 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 6810 / | DEF AT foram flood | DEF AT 1 |
| 7260 / | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 7410 / | DEF AT local marker planktic foram increase | DEF AT 3 |
| 7680 / | DEF AT local marker planktic foram increase | DEF AT 3 |
| 7740 / | DEF AT Arenaceous fauna (local marker) | DEF AT 3 |
| 7890 / | DEF AT cement | DEF AT |
| 8400 / | DEF AT local marker planktic foram increase | DEF AT 3 |
| 8490 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 9540 / | POS AT local marker foram increase | DEF AT 2 |
| 9690 / | POS AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 10920 / | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 11700 / | POS AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT 4 |
| 11820 / | DEF AT local marker foram increase | DEF AT 4 |
| 12060 / | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 5 |
| 12330 / | POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT 5 |
| 13950 / | POS IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: BA 398 | Date of Summary: 30-MAR-1987 | First Sample Examined: 3120 |
| Lease Number: G11270 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 16016 |
| Well Name: A001 | Paleo Done By: ANTON FRIEDMANN | Borehole TVD: 16016 |
| API Well Number: 427044015100 | Drilling Operator: CONOCO INC | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 2 | Sample Range: 3120 - 16016 | Water Depth: 77 |
| Public Info Code: Y 23-MAY-1996 | Ecozone Eq MMS: Y | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14280 / | DEF AT local marker foram increase | DEF AT 6 |
| 14640 / | POS AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi | DEF AT 6 |
| 15600 / | POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 5 |
| 16016 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA 399 | Date of Summary: 06-MAR-1991 | First Sample Examined: 7000 |
| Lease Number: G07217 | Source of Paleo: OPERATOR | Borehole MD: 12369 |
| Well Name: F002 | Paleo Done By: STORK & ASS. | Borehole TVD: 10755 |
| API Well Number: 427044022800 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 2 | Sample Range: 7000 - 10990 | Water Depth: 60 |
| Public Info Code: Y 26-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7000 / 6853 | DEF AT first sample examined | DEF AT 2 |
| 7001 / 6853 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 7450 / 7195 | DEF AT - - - - - | DEF AT 1 |
| 7600 / 7309 | DEF AT - - - - - | DEF AT 2 |
| 7960 / 7584 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 9040 / 8318 | DEF AT - - - - - | DEF AT 1 |
| 9520 / 8675 | DEF AT - - - - - | DEF AT 2 |
| 9700 / 8804 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 2 |
| 10390 / 9328 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 10990 / 9772 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA 399 | Date of Summary: 06-MAR-1991 | First Sample Examined: 9090 |
| Lease Number: G07217 | Source of Paleo: OPERATOR | Borehole MD: 12369 |
| Well Name: F002 | Paleo Done By: STORK & ASS. | Borehole TVD: 10755 |
| API Well Number: 427044022800 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 96 |
| Paleo Report Num: 2 of 2 | Sample Range: 9090 - 12360 | Water Depth: 60 |
| Public Info Code: Y 26-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9090 / 8352 | DEF AT first sample examined | POS AT 1 |
| 9900 / 8953 | DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 2 |
| 10320 / 9275 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 12360 / 10749 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA 399 | Date of Summary: 20-APR-1990 | First Sample Examined: 6230 |
| Lease Number: G07218 | Source of Paleo: OPERATOR | Borehole MD: 8527 |
| Well Name: 001 | Paleo Done By: STORK & ASS. | Borehole TVD: 8527 |
| API Well Number: 427044020100 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 8527 | Water Depth: 63 |
| Public Info Code: Y 04-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6230 / 6229 | DEF AT first sample examined | DEF AT 2 |
| 6231 / 6230 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 6440 / 6439 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 6710 / 6709 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 7550 / 7549 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 8450 / 8449 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 2 |
| 8527 / 8526 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA 400 | Date of Summary: 06-MAR-1991 | First Sample Examined: 9090 |
| Lease Number: G07217 | Source of Paleo: OPERATOR | Borehole MD: 9200 |
| Well Name: A001 | Paleo Done By: STORK & ASS. | Borehole TVD: 8905 |
| API Well Number: 427044020200 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 9090 - 12360 | Water Depth: 63 |
| Public Info Code: Y 26-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 9900 / | DEF AT first sample examined | DEF AT 2 |
| 9901 / | DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 2 |
| 10320 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 11220 / | DEF AT ----- | DEF AT 3 |
| 11280 / | DEF AT ----- | DEF AT 4 |
| 11430 / | DEF AT ----- | DEF AT 3 |
| 11580 / | DEF AT ----- | DEF AT 4 |
| 11640 / | DEF AT ----- | DEF AT 3 |
| 11970 / | DEF AT ----- | DEF AT 2 |
| 12030 / | DEF AT ----- | DEF AT 1 |
| 12360 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 411 | Date of Summary: 10-JAN-1995 | First Sample Examined: 0 |
| Lease Number: G10214 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8750 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8025 |
| API Well Number: 427044019500 | Drilling Operator: PG&E RESOURCES OFFSHORE CO | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 66 |
| Public Info Code: Y 20-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6750 / 6031 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: BA 412 | Date of Summary: 08-OCT-1999 | First Sample Examined: 0 |
| Lease Number: G05003 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7546 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7546 |
| API Well Number: 427044013700 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 17-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6758 / | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7144 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 413 | Date of Summary: 16-APR-1990 | First Sample Examined: 0 |
| Lease Number: G09014 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7411 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7411 |
| API Well Number: 427044021000 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 62 |
| Public Info Code: Y 26-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6073 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 7200 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: BA 413 | Date of Summary: 17-AUG-1999 | First Sample Examined: 0 |
| Lease Number: G09014 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8434 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8434 |
| API Well Number: 427044026400 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 65 |
| Public Info Code: Y 26-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7308 / 7307 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8053 / 8052 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 417 | Date of Summary: 22-MAY-1992 | First Sample Examined: 0 |
| Lease Number: G13297 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8000 |
| API Well Number: 427044025800 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 91 |
| Public Info Code: Y 31-DEC-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7690 / | POS IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 417 | Date of Summary: 22-DEC-1992 | First Sample Examined: 0 |
| Lease Number: G13297 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7640 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7639 |
| API Well Number: 427044026500 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 88 |
| Public Info Code: Y 31-DEC-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3678 / 3678 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6185 / 6185 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 431 | Date of Summary: 20-JUN-1991 | First Sample Examined: 0 |
| Lease Number: G09015 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7993 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7592 |
| API Well Number: 427044023700 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 89 |
| Public Info Code: Y 09-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6715 / 6382 | DEF IN Upper (Late) Miocene | DEF AT |
| 7745 / 7354 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: BA 431 | Date of Summary: 18-MAY-1988 | First Sample Examined: 3650 |
| Lease Number: G09017 | Source of Paleo: OPERATOR | Borehole MD: 7953 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7953 |
| API Well Number: 427044017100 | Drilling Operator: AMERAC ENERGY CORPORATION | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 2 | Sample Range: 3650 - 7953 | Water Depth: 90 |
| Public Info Code: Y 13-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 3650 / | DEF AT first sample examined | DEF IN 1 |
| 3920 / | DEF AT - - - - - | DEF AT 2 |
| 4070 / | DEF AT local marker benthic foram increase | DEF AT 2 |
| 4250 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 2 |
| 4310 / | POS AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 4630 / | DEF AT local marker benthic foram increase | DEF AT 2 |
| 5079 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 2 |
| 5080 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 5680 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 6580 / | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 2 |
| 6970 / | DEF AT - - - - - | DEF AT 3 |
| 7090 / | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 4 |
| 7360 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 4 |
| 7953 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 435 | Date of Summary: 31-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G07219 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7575 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7575 |
| API Well Number: 427044018800 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 69 |
| Public Info Code: Y 27-SEP-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 5110 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 5846 / | DEF IN Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6100 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6460 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7360 / | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 7390 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 436 | Date of Summary: 09-MAR-1988 | First Sample Examined: 0 |
| Lease Number: G04258 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8526 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 7751 |
| API Well Number: 427044016900 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 70 |
| Public Info Code: Y 24-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6900 / 6341 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7700 / 7096 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 449 | Date of Summary: 09-JUL-1990 | First Sample Examined: 0 |
| Lease Number: G11273 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7250 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7250 |
| API Well Number: 427044022200 | Drilling Operator: WALTER OIL & GAS CORPORATION | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 67 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5976 / | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 452 | Date of Summary: 27-SEP-2001 | First Sample Examined: 0 |
| Lease Number: G12363 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9425 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7805 |
| API Well Number: 427044013400 | Drilling Operator: BARRETT RESOURCES CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 25-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6161 / 5437 | POS AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7277 / 6260 | POS AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: BA 455 | Date of Summary: 20-MAY-1987 | First Sample Examined: 3230 |
| Lease Number: G07220 | Source of Paleo: OPERATOR | Borehole MD: 15044 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 13501 |
| API Well Number: 427044016100 | Drilling Operator: TEXACO INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 2 | Sample Range: 3230 - 11480 | Water Depth: 91 |
| Public Info Code: Y 09-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 3230 / 3230 | DEF AT first sample examined | POS AT 1 |
| 4280 / 4280 | DEF AT - - - - - | DEF AT 1 |
| 4940 / 4939 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 5180 / 5175 | DEF AT - - - - - | DEF AT 1 |
| 5300 / 5291 | DEF AT - - - - - | DEF AT 2 |
| 5360 / 5350 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 2 |
| 5630 / 5607 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 2 |
| 5780 / 5747 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 2 |
| 5990 / 5938 | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 8120 / 7733 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 9830 / 9158 | DEF AT - - - - - | DEF AT 2 |
| 10220 / 9490 | DEF AT - - - - - | DEF AT 3 |
| 10280 / 9541 | DEF AT - - - - - | DEF AT 2 |
| 11060 / 10183 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 11480 / 10522 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: BA 455 | Date of Summary: 20-MAY-1987 | First Sample Examined: 9250 |
| Lease Number: G07220 | Source of Paleo: OPERATOR | Borehole MD: 15044 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 13501 |
| API Well Number: 427044016100 | Drilling Operator: TEXACO INC | Rkb Elevation: 83 |
| Paleo Report Num: 2 of 2 | Sample Range: 9250 - 15044 | Water Depth: 91 |
| Public Info Code: Y 09-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 3 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 9250 / 8671 | DEF AT first sample examined | DEF AT |
| 10790 / 9965 | DEF AT - - - - - | DEF AT 2 |
| 11060 / 10183 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 13010 / 11770 | DEF AT - - - - - | DEF AT 4 |
| 13040 / 11795 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 4 |
| 13250 / 11970 | DEF AT - - - - - | DEF AT 3 |
| 13790 / 12428 | DEF AT - - - - - | DEF AT 4 |
| 13820 / 12454 | DEF AT - - - - - | DEF AT 3 |
| 13910 / 12531 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 14360 / 12916 | DEF AT Upper Oligocene (Chattian) Discorbis gravelli | DEF AT 3 |
| 14570 / 13096 | DEF AT Upper Oligocene (Chattian) Bolivina perca | DEF AT 3 |
| 14720 / 13225 | DEF AT - - - - - | DEF AT 4 |
| 15044 / 13503 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA 455 | Date of Summary: 14-AUG-1991 | First Sample Examined: 1200 |
| Lease Number: G07220 | Source of Paleo: OPERATOR | Borehole MD: 10180 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8633 |
| API Well Number: 427044024600 | Drilling Operator: EP OPERATING LIMITED PARTNER | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 1200 - 10180 | Water Depth: 95 |
| Public Info Code: Y 26-SEP-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1200 / 1200 | DEF AT first sample examined | DEF IN 1 |
| 1680 / 1678 | DEF AT - - - - - | DEF AT 2 |
| 2039 / 2028 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 3 |
| 2040 / 2029 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 2100 / 2086 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 2160 / 2143 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 2280 / 2254 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 2370 / 2336 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 2400 / 2363 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 3 |
| 2430 / 2390 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 2460 / 2417 | DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme) | DEF AT 3 |
| 2880 / 2768 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 3570 / 3318 | POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 3 |
| 4140 / 3766 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 5340 / 4693 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 6350 / 5498 | DEF AT local marker foram increase | DEF AT 3 |
| 6720 / 5797 | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 6780 / 5846 | POS AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 3 |
| 7170 / 6164 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 7860 / 6705 | DEF AT local marker planktic foram increase | DEF AT 3 |
| 8820 / 7443 | DEF AT Eggerella sp. (local marker) | DEF AT 3 |
| 8970 / 7565 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|------------------------------------|
| Area Block: BA 455 | Date of Summary: 14-AUG-1991 | First Sample Examined: 1200 |
| Lease Number: G07220 | Source of Paleo: OPERATOR | Borehole MD: 10180 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8633 |
| API Well Number: 427044024600 | Drilling Operator: EP OPERATING LIMITED PARTNER | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 1200 - 10180 | Water Depth: 95 |
| Public Info Code: Y 26-SEP-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 10080 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: BA 473 | Date of Summary: 06-MAY-1994 | First Sample Examined: 2250 |
| Lease Number: G14119 | Source of Paleo: OPERATOR | Borehole MD: 6000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6000 |
| API Well Number: 427044028000 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 2250 - 6000 | Water Depth: 80 |
| Public Info Code: Y 31-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2250 / 2250 | DEF AT first sample examined | DEF AT 2 |
| 2251 / 2251 | POS IN Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 2520 / 2520 | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 5730 / 5729 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 5760 / 5759 | DEF AT - - - - - | DEF AT 3 |
| 5850 / 5849 | POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 3 |
| 6000 / 5999 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: BA 474 | Date of Summary: 14-JUN-1991 | First Sample Examined: 5100 |
| Lease Number: G12455 | Source of Paleo: OPERATOR | Borehole MD: 9843 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8406 |
| API Well Number: 427044024100 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 5100 - 9810 | Water Depth: 54 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5100 / 5100 | DEF AT first sample examined | DEF IN 2 |
| 5610 / 5601 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 6090 / 6037 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 3 |
| 6750 / 6548 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 7020 / 6731 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT 3 |
| 7680 / 7100 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 9630 / 8261 | DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi | DEF AT 3 |
| 9750 / 8342 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 3 |
| 9810 / 8384 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 474 | Date of Summary: 06-MAY-1993 | First Sample Examined: 0 |
| Lease Number: G12455 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8300 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8300 |
| API Well Number: 427044026800 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 77 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6470 / 6470 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7295 / 7295 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 476 | Date of Summary: 01-MAR-1991 | First Sample Examined: 0 |
| Lease Number: G11274 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7300 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7300 |
| API Well Number: 427044021500 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 21-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6262 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6369 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 476 | Date of Summary: 30-MAY-1990 | First Sample Examined: 0 |
| Lease Number: G11274 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7955 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 6750 |
| API Well Number: 427044021800 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 21-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6695 / 5764 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7581 / 6452 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 476 | Date of Summary: 31-JAN-1991 | First Sample Examined: 0 |
| Lease Number: G11274 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8211 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8211 |
| API Well Number: 427044021100 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 21-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6150 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6905 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: BA 476 | Date of Summary: 20-APR-1999 | First Sample Examined: 0 |
| Lease Number: G11274 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8402 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 7774 |
| API Well Number: 427044028800 | Drilling Operator: TRI-UNION DEVELOPMENT CORPORATION | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 21-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6550 / 6104 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7370 / 6842 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 477 | Date of Summary: 15-JUL-1991 | First Sample Examined: 0 |
| Lease Number: G12456 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9710 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8101 |
| API Well Number: 427044024000 | Drilling Operator: PG&E RESOURCES OFFSHORE CO | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 69 |
| Public Info Code: Y 31-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6760 / 5752 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7520 / 6354 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8600 / 7201 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 9250 / 7725 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 490 | Date of Summary: 25-MAY-1995 | First Sample Examined: 0 |
| Lease Number: G14809 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8418 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7734 |
| API Well Number: 427044029100 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 70 |
| Public Info Code: Y 30-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5530 / 5291 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 5880 / 5587 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 6975 / 6507 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: BA 491 | Date of Summary: 28-SEP-1988 | First Sample Examined: 5000 |
| Lease Number: G06069 | Source of Paleo: OPERATOR | Borehole MD: 7078 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7078 |
| API Well Number: 427044017800 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 7078 | Water Depth: 75 |
| Public Info Code: Y 12-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 5000 / | DEF AT first sample examined | DEF AT 3 |
| 5001 / | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 5570 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 6230 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 7078 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: BA 491 | Date of Summary: 08-DEC-1988 | First Sample Examined: 3500 |
| Lease Number: G06069 | Source of Paleo: OPERATOR | Borehole MD: 7856 |
| Well Name: A001 | Paleo Done By: DAVID L. DUNN | Borehole TVD: 7501 |
| API Well Number: 427044018200 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 168 |
| Paleo Report Num: 1 of 1 | Sample Range: 3500 - 7850 | Water Depth: 76 |
| Public Info Code: Y 02-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3500 / 3500 | DEF AT first sample examined | DEF AT 0 |
| 3501 / 3501 | POS IN Miocene | DEF AT 0 |
| 3502 / 3502 | DEF AT non-marine sediment | DEF AT 0 |
| 4520 / 4520 | POS AT unconformity | DEF AT 1 |
| 4700 / 4700 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 1 |
| 4760 / 4759 | DEF AT - - - - - | DEF AT 2 |
| 5420 / 5404 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 5510 / 5488 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 4 |
| 6050 / 5974 | DEF AT - - - - - | DEF IN 3 |
| 6740 / 6566 | POS AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF IN 3 |
| 6770 / 6591 | DEF AT - - - - - | DEF AT 4 |
| 7040 / 6818 | DEF AT - - - - - | DEF IN 4 |
| 7190 / 6943 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF IN 4 |
| 7220 / 6968 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 5 |
| 7850 / 7496 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: BA 491 | Date of Summary: 05-JAN-1988 | First Sample Examined: 3770 |
| Lease Number: G06069 | Source of Paleo: OPERATOR | Borehole MD: 7731 |
| Well Name: A002 | Paleo Done By: DAVID L. DUNN | Borehole TVD: 7000 |
| API Well Number: 427044018300 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 3770 - 7731 | Water Depth: 76 |
| Public Info Code: Y 26-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3770 / 3516 | DEF AT first sample examined | DEF AT 0 |
| 3771 / 3517 | DEF AT non-marine sediment | DEF AT 0 |
| 3772 / 3518 | POS AT Miocene | DEF AT 0 |
| 4630 / 4258 | POS AT unconformity | DEF AT 1 |
| 4840 / 4439 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 1 |
| 5000 / 4578 | DEF AT - - - - - | DEF AT 2 |
| 5860 / 5330 | DEF AT - - - - - | DEF AT 3 |
| 5950 / 5410 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 6550 / 5944 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 7360 / 6675 | POS AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT 3 |
| 7450 / 6757 | DEF AT - - - - - | DEF AT 4 |
| 7540 / 6840 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 4 |
| 7570 / 6867 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 4 |
| 7731 / 7015 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 492 | Date of Summary: 02-APR-1993 | First Sample Examined: 0 |
| Lease Number: G11275 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8144 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7593 |
| API Well Number: 427044026700 | Drilling Operator: ASHLAND OIL INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 77 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5879 / 5776 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6772 / 6490 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 494 | Date of Summary: 29-MAR-1985 | First Sample Examined: 0 |
| Lease Number: G06071 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15050 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 14469 |
| API Well Number: 427044014000 | Drilling Operator: SUPERIOR OIL COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 84 |
| Public Info Code: Y 03-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9000 / 8484 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 12660 / 12117 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 14440 / 13885 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 14730 / 14165 | DEF AT local marker benthic foram increase | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA 494 | Date of Summary: 13-AUG-1984 | First Sample Examined: 6000 |
| Lease Number: G06071 | Source of Paleo: OPERATOR | Borehole MD: 13900 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 13436 |
| API Well Number: 427044012700 | Drilling Operator: SUPERIOR OIL COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 13890 | Water Depth: 82 |
| Public Info Code: Y 26-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report for sidetrack 3

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 6000 / 5695 | DEF AT first sample examined | DEF IN 3 |
| 6001 / 5695 | DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF IN 3 |
| 6449 / 6115 | DEF AT Middle Miocene (Serravallian) Discoaster petaliformis | DEF IN 3 |
| 6450 / 6116 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF IN 3 |
| 6960 / 6592 | DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta | DEF IN 3 |
| 7050 / 6675 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF IN 3 |
| 9030 / 8583 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF IN 3 |
| 12390 / 11928 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF IN 3 |
| 13890 / 13428 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 502 | Date of Summary: 15-JAN-1996 | First Sample Examined: 0 |
| Lease Number: G13300 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8335 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8335 |
| API Well Number: 427044029500 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 30-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4850 / 4850 | POS AT Upper (Late) Miocene | DEF AT |
| 7400 / 7399 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 507 | Date of Summary: 17-JUN-1994 | First Sample Examined: 0 |
| Lease Number: G13301 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8602 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7415 |
| API Well Number: 427044028300 | Drilling Operator: W & T OFFSHORE INC | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 97 |
| Public Info Code: Y 30-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5390 / 4499 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 7667 / 6583 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 507 | Date of Summary: 08-SEP-1994 | First Sample Examined: 0 |
| Lease Number: G13301 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7550 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7549 |
| API Well Number: 427044027300 | Drilling Operator: W & T OFFSHORE INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 97 |
| Public Info Code: Y 30-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4743 / 4742 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 7368 / 7367 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 514 | Date of Summary: 02-MAY-1997 | First Sample Examined: 0 |
| Lease Number: G13770 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8626 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7168 |
| API Well Number: 427044031000 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 78 |
| Public Info Code: Y 30-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6100 / 5493 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 7035 / 6130 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 515 | Date of Summary: 24-JUN-1997 | First Sample Examined: 0 |
| Lease Number: G13770 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15260 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13752 |
| API Well Number: 427044030300 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 30-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 5480 / 5480 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 5510 / 5510 | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT |
| 5750 / 5750 | DEF AT local marker benthic foram increase | DEF AT |
| 6470 / 6470 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8420 / 8420 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9110 / 9109 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 532 | Date of Summary: 03-AUG-1994 | First Sample Examined: 0 |
| Lease Number: G14120 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7952 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7952 |
| API Well Number: 427044028400 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 77 |
| Public Info Code: Y 30-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5830 / 5830 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 539 | Date of Summary: 16-DEC-1991 | First Sample Examined: 0 |
| Lease Number: G12464 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7497 |
| API Well Number: 427044025600 | Drilling Operator: HOWELL PETROLEUM CORPORATION | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 104 |
| Public Info Code: Y 30-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3600 / 3600 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 6360 / 6359 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA 550 | Date of Summary: 25-FEB-1985 | First Sample Examined: 6000 |
| Lease Number: G06080 | Source of Paleo: OPERATOR | Borehole MD: 17587 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17587 |
| API Well Number: 427044014200 | Drilling Operator: SUPERIOR OIL COMPANY | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 2 | Sample Range: 6000 - 17585 | Water Depth: 84 |
| Public Info Code: Y 13-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 6000 / | DEF AT first sample examined | DEF AT 3 |
| 6540 / | POS AT local marker floral increase | DEF AT 3 |
| 6630 / | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 3 |
| 7270 / | DEF AT Middle Miocene (Langhian) Discoaster druggi | DEF AT 3 |
| 7720 / | DEF AT local marker floral increase | DEF AT 3 |
| 8830 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 9790 / | DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta | DEF AT 3 |
| 13150 / | DEF AT local marker floral increase | DEF AT 3 |
| 14050 / | DEF AT local marker floral increase | DEF AT 3 |
| 14530 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 14680 / | DEF AT local marker floral increase | DEF AT 3 |
| 14950 / | POS AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 15070 / | DEF AT - - - - | DEF AT 5 |
| 15490 / | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 5 |
| 17585 / | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 550 | Date of Summary: 26-JUN-1997 | First Sample Examined: 0 |
| Lease Number: G06080 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5712 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 5712 |
| API Well Number: 427044017300 | Drilling Operator: WALTER OIL & GAS CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 90 |
| Public Info Code: Y 10-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4542 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 552 | Date of Summary: 28-AUG-1994 | First Sample Examined: 0 |
| Lease Number: G10224 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8230 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7500 |
| API Well Number: 427044027200 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 79 |
| Public Info Code: Y 07-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6250 / 5536 | POS AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 6970 / 6246 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 570 | Date of Summary: 22-NOV-1991 | First Sample Examined: 0 |
| Lease Number: G12467 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11920 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8793 |
| API Well Number: 427044025100 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 84 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 6303 / 4983 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 7230 / 5583 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 7779 / 5984 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10835 / 8125 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 571 | Date of Summary: 03-NOV-1997 | First Sample Examined: 0 |
| Lease Number: G15729 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9925 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9924 |
| API Well Number: 427044031500 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 93 |
| Public Info Code: Y 15-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4920 / 4920 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7150 / 7150 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9040 / 9039 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 572 | Date of Summary: 19-DEC-1995 | First Sample Examined: 0 |
| Lease Number: G10228 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5500 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 5500 |
| API Well Number: 427044018700 | Drilling Operator: WALTER OIL & GAS CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 94 |
| Public Info Code: Y 29-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4367 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 577 | Date of Summary: 19-JUN-1991 | First Sample Examined: 0 |
| Lease Number: G12468 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4085 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 3972 |
| API Well Number: 427044023900 | Drilling Operator: KING RANCH OIL AND GAS INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 84 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1600 / 1600 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 2900 / 2893 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 3300 / 3277 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 3972 / 3878 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 577 | Date of Summary: 25-JUL-1991 | First Sample Examined: 0 |
| Lease Number: G12468 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8940 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7903 |
| API Well Number: 427044024200 | Drilling Operator: PG&E RESOURCES OFFSHORE CO | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 116 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4060 / 3931 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 5110 / 4769 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 5880 / 5393 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6810 / 6151 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 8500 / 7538 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 578 | Date of Summary: 05-NOV-1981 | First Sample Examined: 0 |
| Lease Number: G04557 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11823 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11244 |
| API Well Number: 427044005600 | Drilling Operator: SUPERIOR OIL COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 120 |
| Public Info Code: Y 21-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11439 / 10836 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|------------------------------|
| Area Block: BA 579 | Date of Summary: 08-OCT-1996 | First Sample Examined: 10300 |
| Lease Number: G14815 | Source of Paleo: OPERATOR | Borehole MD: 18975 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18958 |
| API Well Number: 427044030200 | Drilling Operator: CONOCO INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 3 | Sample Range: 10300 - 18975 | Water Depth: 123 |
| Public Info Code: Y 28-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10300 / 10299 | DEF AT first sample examined | DEF AT |
| 10959 / 10957 | DEF AT Middle Miocene (Serravallian) Discoaster petaliformis | DEF AT |
| 10960 / 10958 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme) | DEF AT |
| 11350 / 11348 | DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta | DEF AT |
| 14260 / 14254 | DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus | DEF AT |
| 15520 / 15510 | DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis | DEF AT |
| 15940 / 15929 | DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase) | DEF AT |
| 18975 / 18958 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: BA 579 | Date of Summary: 09-OCT-1996 | First Sample Examined: 3955 |
| Lease Number: G14815 | Source of Paleo: OPERATOR | Borehole MD: 18975 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18958 |
| API Well Number: 427044030200 | Drilling Operator: CONOCO INC | Rkb Elevation: 100 |
| Paleo Report Num: 2 of 3 | Sample Range: 3955 - 18975 | Water Depth: 123 |
| Public Info Code: Y 28-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 3955 / 3955 | DEF AT first sample examined | DEF AT 2 |
| 3956 / 3956 | DEF AT poor sample interval top | DEF AT 2 |
| 5500 / 5500 | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 7180 / 7180 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 2 |
| 7600 / 7600 | DEF AT poor sample interval bottom | DEF AT 2 |
| 7750 / 7750 | DEF AT - - - - - | DEF AT 3 |
| 9640 / 9639 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 10780 / 10779 | POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 3 |
| 10960 / 10958 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 3 |
| 11110 / 11108 | DEF AT - - - - - | DEF AT 4 |
| 11350 / 11348 | DEF AT - - - - - | DEF AT 5 |
| 13630 / 13625 | DEF AT - - - - - | DEF IN 5 |
| 14050 / 14044 | POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi | DEF IN 5 |
| 15400 / 15390 | DEF AT - - - - - | DEF AT 6 |
| 15910 / 15899 | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 6 |
| 18975 / 18958 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: BA 579 | Date of Summary: 05-NOV-1996 | First Sample Examined: 5500 |
| Lease Number: G14815 | Source of Paleo: OPERATOR | Borehole MD: 18975 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18958 |
| API Well Number: 427044030200 | Drilling Operator: CONOCO INC | Rkb Elevation: 100 |
| Paleo Report Num: 3 of 3 | Sample Range: 5500 - 18975 | Water Depth: 123 |
| Public Info Code: Y 28-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5500 / 5500 | DEF AT first sample examined | DEF AT |
| 5501 / 5501 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7180 / 7180 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |
| 9640 / 9639 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 10780 / 10779 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT |
| 10960 / 10958 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 11350 / 11348 | DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta | DEF AT |
| 14050 / 14044 | DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis | DEF AT |
| 14260 / 14254 | DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus | DEF AT |
| 15520 / 15510 | DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis | DEF AT |
| 15910 / 15899 | DEF IN Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT |
| 15940 / 15929 | DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase) | DEF AT |
| 18975 / 18958 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 579 | Date of Summary: 10-APR-1997 | First Sample Examined: 0 |
| Lease Number: G14815 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9298 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9292 |
| API Well Number: 427044031100 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 125 |
| Public Info Code: Y 28-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7570 / 7567 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA 610 | Date of Summary: 08-JAN-1999 | First Sample Examined: 0 |
| Lease Number: G18902 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5469 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4911 |
| API Well Number: 427044031700 | Drilling Operator: CALLON PETROLEUM OPERATING COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 30-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2518 / 2435 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: BA A 2 | Date of Summary: 29-AUG-1989 | First Sample Examined: 3530 |
| Lease Number: G09025 | Source of Paleo: OPERATOR | Borehole MD: 10994 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10489 |
| API Well Number: 427044018100 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 118 |
| Paleo Report Num: 1 of 1 | Sample Range: 3530 - 11000 | Water Depth: 110 |
| Public Info Code: Y 12-MAR-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3530 / 3530 | DEF AT first sample examined | DEF AT 3 |
| 3531 / 3531 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 3950 / 3950 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 4730 / 4730 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 4850 / 4850 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 5690 / 5690 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 6020 / 6019 | DEF AT poor sample interval top | POS AT 3 |
| 6770 / 6761 | DEF AT poor sample interval bottom | POS AT 3 |
| 7220 / 7189 | DEF AT Upper Miocene (Tortonian) Textularia "L" | POS AT 3 |
| 8180 / 8037 | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | POS AT 3 |
| 8210 / 8063 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | POS AT 3 |
| 10706 / 10236 | DEF AT - - - - | DEF AT 4 |
| 10820 / 10336 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 4 |
| 11000 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA A 2 | Date of Summary: 29-JUL-1994 | First Sample Examined: 0 |
| Lease Number: G09025 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9125 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7684 |
| API Well Number: 427044019700 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 12-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4513 / 3944 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 5500 / 4759 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 5644 / 4879 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6780 / 5792 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8320 / 7056 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA A 2 | Date of Summary: 01-FEB-1990 | First Sample Examined: 0 |
| Lease Number: G09025 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8395 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 7546 |
| API Well Number: 427044019800 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 12-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4217 / 3942 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 5083 / 4691 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 5230 / 4821 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6228 / 5691 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7606 / 6868 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA A 22 | Date of Summary: 01-JUN-1992 | First Sample Examined: 0 |
| Lease Number: G03937 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13872 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 13402 |
| API Well Number: 427044020000 | Drilling Operator: NORCEN EXPLORER INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 125 |
| Public Info Code: Y 01-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12897 / 12480 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--------------------------------------|------------------------------|
| Area Block: BA A 39 | Date of Summary: 13-OCT-1984 | First Sample Examined: 10000 |
| Lease Number: G04559 | Source of Paleo: OPERATOR | Borehole MD: 16770 |
| Well Name: 004 | Paleo Done By: DAVID L. DUNN | Borehole TVD: 16758 |
| API Well Number: 427044013300 | Drilling Operator: MESA PETROLEUM CO | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 10000 - 16780 | Water Depth: 137 |
| Public Info Code: Y 07-NOV-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 10000 / 10000 | DEF AT first sample examined | DEF AT 3 |
| 10001 / 10001 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 10180 / 10180 | POS AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 11440 / 11439 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 2 |
| 12430 / 12429 | DEF AT - - - - - | DEF AT 3 |
| 12790 / 12789 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 13060 / 13059 | DEF AT - - - - - | DEF AT 2 |
| 13330 / 13329 | DEF AT - - - - - | DEF AT 1 |
| 16410 / 16399 | POS AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 1 |
| 16510 / 16499 | DEF AT - - - - - | DEF AT 2 |
| 16800 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA A 46 | Date of Summary: 24-AUG-1993 | First Sample Examined: 3330 |
| Lease Number: G13773 | Source of Paleo: OPERATOR | Borehole MD: 9463 |
| Well Name: 001 | Paleo Done By: GULF COAST PALEO | Borehole TVD: 9456 |
| API Well Number: 427054012900 | Drilling Operator: IP PETROLEUM COMPANY INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 3330 - 9463 | Water Depth: 139 |
| Public Info Code: Y 30-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3330 / | DEF AT first sample examined | DEF AT 1 |
| 3331 / | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 1 |
| 3840 / | DEF AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT 1 |
| 3900 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 4500 / | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 4650 / | DEF AT local marker planktic foram increase | DEF AT 1 |
| 4680 / | POS AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 1 |
| 5250 / | DEF AT limestone | DEF AT 1 |
| 5251 / | POS AT unconformity | DEF AT 1 |
| 5520 / | DEF AT local marker benthic foram increase | DEF AT 1 |
| 5580 / | DEF AT oxidized shale | DEF AT 1 |
| 5581 / | POS AT unconformity | DEF AT 1 |
| 5700 / | DEF AT local marker foram increase | DEF AT 1 |
| 6030 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 1 |
| 6300 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 1 |
| 6480 / | DEF AT local marker foram increase | DEF AT 1 |
| 6870 / | DEF AT oxidized shale | DEF AT 1 |
| 6871 / | POS AT unconformity | DEF AT 1 |
| 7410 / | DEF AT local marker foram increase | DEF AT 1 |
| 7560 / | DEF AT oxidized shale | DEF AT 1 |
| 7561 / | POS AT unconformity | DEF AT 1 |
| 7920 / | DEF AT oxidized shale | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA A 46 | Date of Summary: 24-AUG-1993 | First Sample Examined: 3330 |
| Lease Number: G13773 | Source of Paleo: OPERATOR | Borehole MD: 9463 |
| Well Name: 001 | Paleo Done By: GULF COAST PALEO | Borehole TVD: 9456 |
| API Well Number: 427054012900 | Drilling Operator: IP PETROLEUM COMPANY INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 3330 - 9463 | Water Depth: 139 |
| Public Info Code: Y 30-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7921 / | POS AT unconformity | DEF AT 1 |
| 8370 / | DEF AT local marker planktic foram increase | DEF AT 1 |
| 8580 / | DEF AT oxidized shale | DEF AT 1 |
| 8581 / | DEF AT limestone | DEF AT 1 |
| 8582 / | POS AT unconformity | DEF AT 1 |
| 8760 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 1 |
| 8850 / | DEF AT oxidized shale | DEF AT 1 |
| 8851 / | DEF AT sandstone | DEF AT 1 |
| 8852 / | POS AT unconformity | DEF AT 1 |
| 8940 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 9060 / | DEF AT sandstone | DEF AT 1 |
| 9420 / | DEF AT last sample examined | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA A 52 | Date of Summary: 20-JAN-1984 | First Sample Examined: 0 |
| Lease Number: G06085 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8632 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8631 |
| API Well Number: 427054008300 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 160 |
| Public Info Code: Y 07-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 3040 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 3590 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 4100 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 4380 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 4800 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5070 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 5590 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 5830 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 8220 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: BA A 52 | Date of Summary: 06-MAR-1985 | First Sample Examined: 4090 |
| Lease Number: G06085 | Source of Paleo: OPERATOR | Borehole MD: 11306 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11119 |
| API Well Number: 427054009600 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 4090 - 11310 | Water Depth: 160 |
| Public Info Code: Y 08-JAN-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 4090 / 4052 | DEF AT first sample examined | DEF IN 3 |
| 4180 / 4137 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF IN 3 |
| 4670 / 4599 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 3 |
| 4960 / 4875 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF IN 3 |
| 5490 / 5380 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF IN 3 |
| 5650 / 5533 | POS AT Upper Miocene (Tortonian) Cibicides carstensi | DEF IN 3 |
| 6330 / 6181 | DEF AT sample gap top | POS IN 3 |
| 6460 / 6305 | DEF AT sample gap bottom | DEF IN 3 |
| 6560 / 6400 | DEF AT sample gap top | POS IN 3 |
| 6910 / 6735 | DEF AT sample gap bottom | DEF IN 3 |
| 8730 / 8544 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF IN 3 |
| 9490 / 9303 | DEF AT - - - - | DEF AT 4 |
| 11310 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: BA A 52 | Date of Summary: 06-MAR-1985 | First Sample Examined: 11290 |
| Lease Number: G06085 | Source of Paleo: OPERATOR | Borehole MD: 17500 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 17180 |
| API Well Number: 427054009601 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 11290 - 17500 | Water Depth: 160 |
| Public Info Code: Y 02-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11290 / 11035 | DEF AT first sample examined | DEF AT 4 |
| 11380 / 11125 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 4 |
| 13060 / 12796 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 4 |
| 17500 / 17181 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BA A 66 | Date of Summary: 17-APR-1984 | First Sample Examined: 4500 |
| Lease Number: G06088 | Source of Paleo: OPERATOR | Borehole MD: 8964 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8964 |
| API Well Number: 427054008500 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 8964 | Water Depth: 162 |
| Public Info Code: Y 13-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4500 / 4500 | DEF AT first sample examined | DEF IN 3 |
| 4740 / 4740 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 3 |
| 5610 / 5610 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF IN 3 |
| 5870 / 5870 | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF IN 3 |
| 6200 / 6200 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF IN 3 |
| 8600 / 8598 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF IN 3 |
| 8930 / 8927 | DEF AT - - - - | DEF AT 4 |
| 8964 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA A 71 | Date of Summary: 17-JUL-1996 | First Sample Examined: 0 |
| Lease Number: G13774 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8505 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7598 |
| API Well Number: 427054013800 | Drilling Operator: STONE ENERGY LLC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 90 |
| Public Info Code: Y 30-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7320 / 6785 | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA A 76 | Date of Summary: 13-NOV-1995 | First Sample Examined: 0 |
| Lease Number: G14128 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11259 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11258 |
| API Well Number: 427054013600 | Drilling Operator: STATOIL EXPLORATION US INC | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 167 |
| Public Info Code: Y 31-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8470 / 8470 | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 10100 / 10099 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA A 133 | Date of Summary: 15-JAN-1986 | First Sample Examined: 0 |
| Lease Number: G02665 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14021 |
| Well Name: C003 | Paleo Done By: OPERATOR | Borehole TVD: 13519 |
| API Well Number: 427054010700 | Drilling Operator: OXY USA INC | Rkb Elevation: 125 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 204 |
| Public Info Code: Y 15-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9718 / 9508 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 11534 / 11259 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BA A 133 | Date of Summary: 07-DEC-1988 | First Sample Examined: 0 |
| Lease Number: G02665 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13066 |
| Well Name: D001 | Paleo Done By: OPERATOR | Borehole TVD: 13066 |
| API Well Number: 427054009200 | Drilling Operator: OXY PETROLEUM INC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 203 |
| Public Info Code: Y 21-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8948 / 8947 | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 10771 / 10768 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: BS 53 | Date of Summary: 13-APR-1977 | First Sample Examined: 0 |
| Lease Number: G03340 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10450 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10184 |
| API Well Number: 177264000100 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 58 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 8 |
| Public Info Code: Y 20-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5247 / 5238 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 9300 / 9080 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: BS 53 | Date of Summary: 03-APR-1978 | First Sample Examined: 4000 |
| Lease Number: G03340 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 10594 |
| Well Name: 002 | Paleo Done By: LEE LATTA | Borehole TVD: 10594 |
| API Well Number: 177264000300 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 33 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 10595 | Water Depth: 8 |
| Public Info Code: Y 20-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 4000 / | DEF AT first sample examined | POS AT 2 |
| 4001 / | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 4660 / | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 6130 / | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 2 |
| 6250 / | POS AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT 2 |
| 6340 / | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT 2 |
| 6850 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 7300 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 7540 / | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 7870 / | DEF AT local marker planktic foram increase | DEF AT 4 |
| 7900 / | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 7930 / | DEF AT local marker planktic foram increase | DEF AT 4 |
| 8200 / | POS AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 2 |
| 8800 / | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 8940 / | DEF AT Upper Miocene (Tortonian) Globorotalia siakensis | DEF AT 4 |
| 9750 / | POS AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 10470 / | DEF AT pyrite | DEF AT 4 |
| 10580 / | POS AT Upper Miocene (Tortonian) Discamminoides tobleri | DEF AT 4 |
| 10595 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: CA 12 | Date of Summary: 27-MAR-1991 | First Sample Examined: 0 |
| Lease Number: G10914 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4650 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4650 |
| API Well Number: 177284004600 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3659 / 3658 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: CA 24 | Date of Summary: 06-JAN-1986 | First Sample Examined: 0 |
| Lease Number: G06840 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6700 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 6700 |
| API Well Number: 177284002500 | Drilling Operator: VANGUARD OFFSHORE CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 67 |
| Public Info Code: Y 14-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3130 / 3130 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4630 / 4630 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5100 / 5100 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: CA 29 | Date of Summary: 12-AUG-1984 | First Sample Examined: 0 |
| Lease Number: G05740 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5350 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 5350 |
| API Well Number: 177284001500 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 40 |
| Public Info Code: Y 14-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2942 / 2942 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 3793 / 3793 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 4448 / 4448 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 4840 / 4840 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: CA 29 | Date of Summary: 16-AUG-1984 | First Sample Examined: 0 |
| Lease Number: G05740 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8921 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 6608 |
| API Well Number: 177284001800 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 41 |
| Public Info Code: Y 25-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4730 / 3931 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 5753 / 4575 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6473 / 5049 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: CA 29 | Date of Summary: 22-SEP-1988 | First Sample Examined: 0 |
| Lease Number: G05740 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6633 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 5187 |
| API Well Number: 177284003800 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 41 |
| Public Info Code: Y 09-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4684 / 3789 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 5477 / 4352 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6123 / 4798 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: CA 31 | Date of Summary: 18-NOV-1991 | First Sample Examined: 2090 |
| Lease Number: G07835 | Source of Paleo: OPERATOR | Borehole MD: 9336 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9336 |
| API Well Number: 177284004700 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 1200 - 9336 | Water Depth: 63 |
| Public Info Code: Y 29-SEP-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2090 / 2090 | DEF AT first sample examined | DEF AT |
| 3200 / 3200 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 2 |
| 7260 / 7260 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 3 |
| 9336 / 9335 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: CA 38 | Date of Summary: 05-FEB-1988 | First Sample Examined: 700 |
| Lease Number: G07836 | Source of Paleo: OPERATOR | Borehole MD: 4000 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 4000 |
| API Well Number: 177294000600 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 700 - 4000 | Water Depth: 117 |
| Public Info Code: Y 26-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 700 / 700 | DEF AT first sample examined | DEF IN 1 |
| 760 / 760 | DEF AT - - - - - | DEF AT 2 |
| 1390 / 1390 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 1600 / 1600 | DEF AT - - - - - | DEF AT 2 |
| 3670 / 3670 | DEF AT - - - - - | DEF AT 3 |
| 3730 / 3730 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 4000 / 4000 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|------------------------------|
| Area Block: DD 56 | Date of Summary: 12-DEC-1988 | First Sample Examined: 16800 |
| Lease Number: G06406 | Source of Paleo: OPERATOR | Borehole MD: 22572 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 22572 |
| API Well Number: 608224003500 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 4510 - 22572 | Water Depth: 187 |
| Public Info Code: Y 06-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Thin-section analysis only, 22022=algal mats

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 16800 / 16800 | DEF AT first sample examined | DEF AT |
| 17100 / 17100 | DEF AT Lower Cretaceous Valanginian Stage | DEF AT 1 |
| 17680 / 17679 | POS AT Upper Jurassic Tithonian Stage | DEF AT 1 |
| 20480 / 20476 | POS AT Upper Jurassic Kimmeridgian Stage | DEF AT 1 |
| 21440 / 21434 | DEF IN Upper Jurassic Kimmeridgian Stage | DEF AT 2 |
| 21600 / 21593 | POS AT Jurassic Smackover Formation | DEF AT 2 |
| 21601 / 21594 | POS AT Upper Jurassic Oxfordian Stage | DEF AT 2 |
| 22020 / 22012 | POS IN Jurassic Smackover Formation | DEF AT 1 |
| 22021 / 22013 | POS IN Upper Jurassic Oxfordian Stage | DEF AT 1 |
| 22022 / 22014 | DEF AT local marker (general) | DEF AT 1 |
| 22210 / 22202 | POS AT Jurassic Norphlet Formation | DEF AT 1 |
| 22211 / 22203 | POS AT Middle Jurassic Callovian Stage | DEF AT 1 |
| 22212 / 22204 | DEF AT sand | DEF AT 1 |
| 22550 / 22542 | DEF AT anhydrite | DEF AT 1 |
| 22572 / 22564 | DEF AT last sample examined | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|------------------------------|
| Area Block: DD 56 | Date of Summary: 23-APR-1992 | First Sample Examined: 10810 |
| Lease Number: G06406 | Source of Paleo: OPERATOR | Borehole MD: 22572 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 22572 |
| API Well Number: 608224003500 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 4510 - 22750 | Water Depth: 187 |
| Public Info Code: Y 06-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: 10810-16800 examined, 11950=Barkerina sp, 113600=Albian Stomatostoecha sp, 17090=Valangian ostracode Acetoleberis hazzardi, 17250=early Barremian or older Trocholina infragranulata

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11950 / 11950 | DEF AT first sample examined | DEF AT |
| 11951 / 11951 | POS IN Lower Cretaceous (Albian) Dictyoconus walnutensis | DEF AT |
| 13600 / 13600 | DEF IN Lower Cretaceous Albian Stage | DEF AT |
| 17090 / 17090 | POS IN Lower Cretaceous (Valanginian) Schuleridea acuminata (ostracod) | DEF AT |
| 17250 / 17249 | POS IN Lower Cretaceous (Barremian) Clavihedbergella eocretacea | DEF AT |
| 17680 / 17679 | DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT |
| 20480 / 20476 | DEF AT Jurassic Haynesville Formation | DEF AT |
| 21600 / 21593 | DEF AT Jurassic Smackover Formation | DEF AT |
| 22020 / 22012 | DEF IN Jurassic Smackover Formation | DEF AT |
| 22210 / 22202 | DEF AT Jurassic Norphlet Formation | DEF AT |
| 23275 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: DD 111 | Date of Summary: 20-JAN-1988 | First Sample Examined: 5000 |
| Lease Number: G08338 | Source of Paleo: OPERATOR | Borehole MD: 19240 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19240 |
| API Well Number: 608224003400 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 19240 | Water Depth: 389 |
| Public Info Code: Y 28-JAN-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 5000 / | DEF AT first sample examined | DEF AT 1 |
| 5001 / | DEF IN Upper-Lower Cretaceous Washita Group/Provincial Stage | DEF AT 1 |
| 6810 / | DEF AT Lower Cretaceous Paluxy Formation | DEF AT 1 |
| 8250 / | DEF AT Lower Cretaceous Upper Glen Rose Formation | DEF AT 1 |
| 9990 / | DEF AT Lower Cretaceous Sligo (Pettet) Formation | DEF AT 1 |
| 10650 / | DEF AT Lower Cretaceous Hosston (Travis Peak) Formation | DEF AT 1 |
| 13300 / | DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT 2 |
| 13330 / | DEF AT - - - - | DEF AT 1 |
| 19240 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 110 | Date of Summary: 03-APR-1986 | First Sample Examined: 0 |
| Lease Number: G02649 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11350 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 7605 |
| API Well Number: 608044007601 | Drilling Operator: ZAPATA EXPLORATION COMPANY | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 660 |
| Public Info Code: Y 28-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3680 / 2943 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 8500 / 6180 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 110 | Date of Summary: 13-JAN-1986 | First Sample Examined: 0 |
| Lease Number: G02649 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9833 |
| Well Name: A008 | Paleo Done By: OPERATOR | Borehole TVD: 7462 |
| API Well Number: 608044009802 | Drilling Operator: ZAPATA EXPLORATION COMPANY | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 660 |
| Public Info Code: Y 29-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8256 / 5886 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 110 | Date of Summary: 09-DEC-1985 | First Sample Examined: 0 |
| Lease Number: G02650 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8315 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 6958 |
| API Well Number: 608044008500 | Drilling Operator: ZAPATA EXPLORATION COMPANY | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 660 |
| Public Info Code: Y 28-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3180 / 2905 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6730 / 5693 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 110 | Date of Summary: 04-JAN-1986 | First Sample Examined: 0 |
| Lease Number: G02650 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7415 |
| Well Name: A007 | Paleo Done By: OPERATOR | Borehole TVD: 5567 |
| API Well Number: 608044008900 | Drilling Operator: ZAPATA EXPLORATION COMPANY | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 660 |
| Public Info Code: Y 14-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3415 / 2949 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 110 | Date of Summary: 20-FEB-1986 | First Sample Examined: 0 |
| Lease Number: G02650 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5710 |
| Well Name: A009 | Paleo Done By: OPERATOR | Borehole TVD: 5545 |
| API Well Number: 608044010200 | Drilling Operator: ZAPATA EXPLORATION COMPANY | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 660 |
| Public Info Code: Y 25-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2912 / 2911 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 110 | Date of Summary: 20-FEB-1986 | First Sample Examined: 0 |
| Lease Number: G02650 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6624 |
| Well Name: A010 | Paleo Done By: OPERATOR | Borehole TVD: 5579 |
| API Well Number: 608044010300 | Drilling Operator: ZAPATA EXPLORATION COMPANY | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 660 |
| Public Info Code: Y 20-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3192 / 2992 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 112 | Date of Summary: 12-AUG-1988 | First Sample Examined: 0 |
| Lease Number: G08195 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5944 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 5944 |
| API Well Number: 608044013000 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 680 |
| Public Info Code: Y 13-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3625 / | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 4270 / | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 5600 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 160 | Date of Summary: 20-MAR-1992 | First Sample Examined: 0 |
| Lease Number: G02648 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11700 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7730 |
| API Well Number: 608044003100 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 940 |
| Public Info Code: Y 10-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7587 / 5854 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 9712 / 6845 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 10890 / 7370 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|--------------------------|
| Area Block: EB 164 | Date of Summary: 05-MAR-1988 | First Sample Examined: 0 |
| Lease Number: G07397 | Source of Paleo: OPERATOR | Borehole MD: 13364 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11443 |
| API Well Number: 608044012101 | Drilling Operator: BP OIL CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1010 |
| Public Info Code: Y 04-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12438 / 10631 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EB 165 | Date of Summary: 09-SEP-1985 | First Sample Examined: 2090 |
| Lease Number: G06280 | Source of Paleo: OPERATOR | Borehole MD: 12386 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11966 |
| API Well Number: 608044006300 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 2 | Sample Range: 2090 - 12370 | Water Depth: 960 |
| Public Info Code: Y 15-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2090 / 2090 | DEF AT first sample examined | POS AT 4 |
| 2091 / 2091 | DEF AT cement | POS AT 4 |
| 2210 / 2210 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 2540 / 2540 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 3200 / 3200 | DEF AT cement | POS AT 3 |
| 3320 / 3320 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 4280 / 4280 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 4850 / 4850 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 5870 / 5870 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 9340 / 9182 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9970 / 9767 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 10210 / 9987 | DEF AT drilling material | POS AT 5 |
| 10360 / 10125 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 10540 / 10290 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10840 / 10565 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 4 |
| 11200 / 10895 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 11410 / 11087 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 11440 / 11114 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11980 / 11601 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 12280 / 11871 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 12370 / 11952 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EB 165 | Date of Summary: 01-DEC-1988 | First Sample Examined: 2090 |
| Lease Number: G06280 | Source of Paleo: OPERATOR | Borehole MD: 12386 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11966 |
| API Well Number: 608044006300 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 2 of 2 | Sample Range: 2090 - 12370 | Water Depth: 960 |
| Public Info Code: Y 15-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 2090 / 2090 | DEF AT first sample examined | DEF AT |
| 4760 / 4760 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 8590 / 8471 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 8950 / 8815 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 8980 / 8843 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 10090 / 9877 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 10270 / 10042 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 11980 / 11601 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 12310 / 11898 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 12370 / 11952 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 165 | Date of Summary: 07-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G06280 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12475 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12475 |
| API Well Number: 608044008000 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 990 |
| Public Info Code: Y 13-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5810 / 5810 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 8810 / 8810 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 9230 / 9230 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 10820 / 10820 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT |
| 10910 / 10910 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 12320 / 12319 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 165 | Date of Summary: 24-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G06280 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11365 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 11360 |
| API Well Number: 608044008800 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 41 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 871 |
| Public Info Code: Y 12-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5110 / 5109 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 8800 / 8797 | DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis | DEF AT |
| 9820 / 9816 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 10570 / 10566 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 165 | Date of Summary: 06-JUL-2000 | First Sample Examined: 0 |
| Lease Number: G06280 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11962 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 11502 |
| API Well Number: 608044010800 | Drilling Operator: PANACO INC | Rkb Elevation: 128 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 863 |
| Public Info Code: Y 12-MAR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5692 / 5690 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 10892 / 10520 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EB 165 | Date of Summary: 06-DEC-1988 | First Sample Examined: 5290 |
| Lease Number: G06280 | Source of Paleo: OPERATOR | Borehole MD: 13763 |
| Well Name: A010 | Paleo Done By: OPERATOR | Borehole TVD: 11797 |
| API Well Number: 608044011800 | Drilling Operator: STANDARD OIL COMPANY OF TEXAS | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 5290 - 12610 | Water Depth: 863 |
| Public Info Code: Y 24-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5290 / 5282 | DEF AT first sample examined | DEF AT |
| 5291 / 5283 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6100 / 6041 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 8890 / 8129 | DEF AT pyrite | DEF AT |
| 10690 / 9477 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 12550 / 10910 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT |
| 12609 / 10953 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 12610 / 10954 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EB 165 | Date of Summary: 06-DEC-1988 | First Sample Examined: 12120 |
| Lease Number: G06280 | Source of Paleo: OPERATOR | Borehole MD: 12724 |
| Well Name: A010 | Paleo Done By: OPERATOR | Borehole TVD: 11464 |
| API Well Number: 608044011802 | Drilling Operator: STANDARD OIL COMPANY OF TEXAS | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 12120 - 12150 | Water Depth: 863 |
| Public Info Code: Y 16-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12120 / 10928 | DEF IN Upper Pliocene (Piacenzian) Globorotalia multcamerata | DEF AT |
| 12150 / 10955 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EB 165 | Date of Summary: 21-JAN-1988 | First Sample Examined: 5500 |
| Lease Number: G06280 | Source of Paleo: OPERATOR | Borehole MD: 11846 |
| Well Name: A011 | Paleo Done By: OPERATOR | Borehole TVD: 10736 |
| API Well Number: 608044012300 | Drilling Operator: STANDARD OIL COMPANY OF TEXAS | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 5500 - 11835 | Water Depth: 863 |
| Public Info Code: Y 21-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9210 / 8235 | DEF AT Aftonian fauna (local marker) | DEF AT |
| 9300 / 8319 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EB 166 | Date of Summary: 27-JUL-1990 | First Sample Examined: 2070 |
| Lease Number: G11413 | Source of Paleo: OPERATOR | Borehole MD: 12262 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11341 |
| API Well Number: 608044014800 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 2070 - 12240 | Water Depth: 631 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 2070 / 2070 | DEF AT first sample examined | DEF IN 3 |
| 2190 / 2190 | DEF AT local marker deep water fauna | DEF AT 4 |
| 2370 / 2370 | POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 4 |
| 3090 / 3090 | DEF AT local marker deep water fauna | DEF AT 5 |
| 3300 / 3300 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 3780 / 3780 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 4620 / 4619 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 4710 / 4709 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 5100 / 5099 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 5790 / 5789 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 6060 / 6059 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 6510 / 6508 | POS IN Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 6540 / 6538 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7290 / 7288 | POS IN Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT 5 |
| 7650 / 7648 | DEF IN Upper Pliocene (Gelasian) Globorotalia pertenuis | DEF AT 5 |
| 7710 / 7707 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 5 |
| 8279 / 8273 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 8280 / 8274 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10350 / 9986 | DEF AT pyrite | DEF AT 5 |
| 10500 / 10088 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 10530 / 10109 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 5 |
| 10619 / 10171 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EB 166 | Date of Summary: 27-JUL-1990 | First Sample Examined: 2070 |
| Lease Number: G11413 | Source of Paleo: OPERATOR | Borehole MD: 12262 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11341 |
| API Well Number: 608044014800 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 2070 - 12240 | Water Depth: 631 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10620 / 10171 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 10770 / 10277 | DEF AT local marker deep water fauna | DEF AT 6 |
| 10800 / 10299 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 11100 / 10519 | DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 6 |
| 11279 / 10655 | DEF AT pyrite | DEF AT 6 |
| 11280 / 10655 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 6 |
| 11340 / 10701 | DEF AT Cyclammina sp. (local marker) | DEF AT 6 |
| 11460 / 10794 | POS AT Upper Miocene (Tortonian) Planulina renzi | DEF AT 6 |
| 11700 / 10982 | POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 6 |
| 11850 / 11101 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 6 |
| 12240 / | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EB 166 | Date of Summary: 17-JAN-1992 | First Sample Examined: 2090 |
| Lease Number: G13351 | Source of Paleo: OPERATOR | Borehole MD: 8696 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7468 |
| API Well Number: 608044015400 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 2090 - 8560 | Water Depth: 470 |
| Public Info Code: Y 31-OCT-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 2090 / 2090 | DEF AT first sample examined | DEF AT 3 |
| 2091 / 2091 | DEF IN cement | DEF AT 3 |
| 2660 / 2654 | DEF AT local marker planktic foram increase | DEF AT 4 |
| 2750 / 2740 | DEF AT local marker deep water fauna | DEF AT 5 |
| 3710 / 3568 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 4190 / 3956 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 4490 / 4197 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 4610 / 4295 | DEF AT local marker foram decrease | DEF AT 5 |
| 5090 / 4691 | POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 5 |
| 5420 / 4968 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 6080 / 5529 | DEF AT local marker foram increase | DEF AT 5 |
| 6230 / 5654 | POS AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 6440 / 5827 | POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 6950 / 6229 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 5 |
| 7100 / 6347 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7160 / 6395 | DEF AT local marker foram decrease | DEF AT 5 |
| 7940 / 7039 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 5 |
| 7969 / 7064 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 7970 / 7065 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 8390 / 7427 | DEF AT pyrite | DEF AT 5 |
| 8420 / 7453 | DEF AT local marker foram decrease | DEF AT 5 |
| 8510 / 7532 | POS AT local marker foram increase | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EB 166 | Date of Summary: 17-JAN-1992 | First Sample Examined: 2090 |
| Lease Number: G13351 | Source of Paleo: OPERATOR | Borehole MD: 8696 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7468 |
| API Well Number: 608044015400 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 2090 - 8560 | Water Depth: 470 |
| Public Info Code: Y 31-OCT-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 8560 / 7576 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EB 166 | Date of Summary: 17-JAN-1992 | First Sample Examined: 2090 |
| Lease Number: G13351 | Source of Paleo: OPERATOR | Borehole MD: 8696 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7468 |
| API Well Number: 608044015400 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 2090 - 8560 | Water Depth: 470 |
| Public Info Code: Y 31-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2090 / 2090 | DEF AT first sample examined | DEF AT |
| 2630 / 2625 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 3260 / 3197 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 4100 / 3884 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 6049 / 5503 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 6050 / 5504 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 6140 / 5580 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 6590 / 5949 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 7040 / 6299 | POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 7970 / 7065 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 8060 / 7141 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 8560 / 7576 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EB 208 | Date of Summary: 29-JUL-1998 | First Sample Examined: 3070 |
| Lease Number: G17238 | Source of Paleo: OPERATOR | Borehole MD: 7271 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6560 |
| API Well Number: 608044017500 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 2 | Sample Range: 3070 - 7270 | Water Depth: 1230 |
| Public Info Code: Y 29-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3070 / 3070 | DEF AT first sample examined | DEF AT 4 |
| 3071 / 3071 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 3190 / 3190 | DEF AT pyrite | DEF AT 4 |
| 3400 / 3399 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 3430 / 3429 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 3580 / 3577 | DEF AT drilling material | DEF AT 3 |
| 3610 / 3607 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 3640 / 3637 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 3760 / 3754 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 3790 / 3784 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 4150 / 4127 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 4180 / 4155 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 4300 / 4266 | DEF AT local marker (general) | DEF AT 4 |
| 4540 / 4482 | DEF AT local marker foram increase | DEF AT 4 |
| 4660 / 4588 | DEF AT local marker foram increase | DEF AT 4 |
| 5380 / 5178 | DEF AT local marker foram increase | DEF AT 4 |
| 5500 / 5265 | DEF AT local marker foram increase | DEF AT 4 |
| 5620 / 5352 | DEF AT drilling material | DEF AT 4 |
| 5800 / 5483 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 4 |
| 7270 / 6559 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EB 208 | Date of Summary: 29-JUL-1998 | First Sample Examined: 3070 |
| Lease Number: G17238 | Source of Paleo: OPERATOR | Borehole MD: 7271 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6560 |
| API Well Number: 608044017500 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 80 |
| Paleo Report Num: 2 of 2 | Sample Range: 3070 - 7210 | Water Depth: 1230 |
| Public Info Code: Y 29-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 3070 / 3070 | DEF AT first sample examined | DEF AT |
| 3071 / 3071 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 4210 / 4183 | POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 4390 / 4348 | DEF AT floral flood | DEF AT |
| 4570 / 4508 | DEF AT floral flood | DEF AT |
| 5410 / 5200 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 5650 / 5374 | DEF AT floral flood | DEF AT |
| 7210 / 6517 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 475 | Date of Summary: 18-DEC-1991 | First Sample Examined: 0 |
| Lease Number: G08204 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12561 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11791 |
| API Well Number: 608044015300 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 2633 |
| Public Info Code: Y 30-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5860 / 5860 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7820 / 7820 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 10948 / 10540 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EB 684 | Date of Summary: 30-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G09188 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9056 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8736 |
| API Well Number: 608044015900 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 65 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 3820 |
| Public Info Code: Y 27-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7470 / 7399 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7530 / 7450 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 7950 / 7805 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EB 688 | Date of Summary: 06-JUN-1988 | First Sample Examined: 5590 |
| Lease Number: G09191 | Source of Paleo: OPERATOR | Borehole MD: 11920 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11917 |
| API Well Number: 608044012700 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 2 | Sample Range: 5590 - 11920 | Water Depth: 3767 |
| Public Info Code: Y 22-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5590 / 5590 | DEF AT first sample examined | DEF AT 5 |
| 7640 / 7640 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 8690 / 8690 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 10220 / 10220 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 11060 / 11059 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 11420 / 11418 | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT 5 |
| 11660 / 11657 | DEF AT Middle Miocene (Serravallian) Globorotalia foysi foysi | DEF AT 5 |
| 11920 / 11917 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EB 992 | Date of Summary: 03-NOV-1997 | First Sample Examined: 6660 |
| Lease Number: G10325 | Source of Paleo: OPERATOR | Borehole MD: 12450 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12203 |
| API Well Number: 608044016000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 6660 - 12330 | Water Depth: 4872 |
| Public Info Code: Y 30-NOV-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Rockerfeller I Prospect, company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6660 / 6660 | DEF AT first sample examined | DEF IN 5 |
| 7020 / 7017 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF IN 5 |
| 7320 / 7301 | DEF AT reworked material | DEF IN 5 |
| 7560 / 7512 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF IN 5 |
| 7800 / 7710 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF IN 5 |
| 8200 / 8042 | DEF AT local marker foram decrease | DEF IN 5 |
| 9100 / 8858 | POS AT local marker foram increase | DEF IN 5 |
| 9330 / 9086 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF IN 5 |
| 9750 / 9505 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF IN 5 |
| 9810 / 9565 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF IN 5 |
| 10050 / 9804 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 10170 / 9924 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF IN 5 |
| 10290 / 10044 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF IN 5 |
| 10769 / 10523 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF IN 5 |
| 10770 / 10524 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF IN 5 |
| 11250 / 11003 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF IN 5 |
| 11850 / 11603 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF IN 5 |
| 11970 / 11723 | DEF AT - - - - - | DEF AT 6 |
| 12030 / 11783 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 6 |
| 12090 / 11843 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT 6 |
| 12270 / 12023 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 12329 / 12082 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EB 992 | Date of Summary: 03-NOV-1997 | First Sample Examined: 6660 |
| Lease Number: G10325 | Source of Paleo: OPERATOR | Borehole MD: 12450 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12203 |
| API Well Number: 608044016000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 6660 - 12330 | Water Depth: 4872 |
| Public Info Code: Y 30-NOV-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 12330 / 12083 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EB 992 | Date of Summary: 04-NOV-1997 | First Sample Examined: 6960 |
| Lease Number: G10325 | Source of Paleo: OPERATOR | Borehole MD: 12050 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10750 |
| API Well Number: 608044016001 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 6960 - 11520 | Water Depth: 4872 |
| Public Info Code: Y 30-NOV-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Rockerfeller II Prospect, company-integrated foram and nanno report, 11150=Globorotalia puncticulata

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6960 / 6959 | DEF AT first sample examined | DEF IN 5 |
| 6961 / 6960 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF IN 5 |
| 7380 / 7375 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF IN 5 |
| 7920 / 7863 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF IN 5 |
| 8940 / 8567 | DEF AT reworked material | DEF IN 5 |
| 9000 / 8605 | DEF AT local marker foram decrease | DEF IN 5 |
| 10320 / 9521 | POS AT local marker foram increase | DEF IN 5 |
| 10800 / 9858 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF IN 5 |
| 10860 / 9900 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF IN 5 |
| 11460 / 10320 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 11519 / 10362 | DEF AT local marker planktic foram increase | DEF IN 5 |
| 11520 / 10363 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 2 | Date of Summary: 30-OCT-1989 | First Sample Examined: 9000 |
| Lease Number: G10605 | Source of Paleo: OPERATOR | Borehole MD: 17000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 17000 |
| API Well Number: 177034058100 | Drilling Operator: QUINTANA PETROLEUM CORPORATION | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 9000 - 17000 | Water Depth: 28 |
| Public Info Code: Y 24-NOV-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9000 / 9000 | DEF AT first sample examined | DEF IN 2 |
| 9060 / 9060 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF IN 2 |
| 10920 / 10920 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 12210 / 12210 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 13440 / 13440 | POS AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT 3 |
| 17000 / 16983 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 21 | Date of Summary: 18-NOV-1994 | First Sample Examined: 0 |
| Lease Number: G12816 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17865 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17860 |
| API Well Number: 177034066500 | Drilling Operator: CONOCO INC | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 32 |
| Public Info Code: Y 28-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5980 / 5979 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 6550 / 6548 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7745 / 7743 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 8845 / 8843 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 10460 / 10458 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 10620 / 10617 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 12310 / 12307 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 13380 / 13377 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 15490 / 15487 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: EC 36 | Date of Summary: 19-JAN-1995 | First Sample Examined: 0 |
| Lease Number: G10608 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8220 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8219 |
| API Well Number: 177034067000 | Drilling Operator: DEVON SFS OPERATING INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 12-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5580 / 5580 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6030 / 6030 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7170 / 7169 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 8130 / 8129 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 45 | Date of Summary: 14-SEP-2000 | First Sample Examined: 0 |
| Lease Number: G03287 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10965 |
| Well Name: D003 | Paleo Done By: OPERATOR | Borehole TVD: 10588 |
| API Well Number: 177034019700 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 119 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 47 |
| Public Info Code: Y 22-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8510 / 8380 | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 9388 / 9172 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 10552 / 10217 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 46 | Date of Summary: 26-APR-1984 | First Sample Examined: 0 |
| Lease Number: G03288 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12465 |
| Well Name: C004 | Paleo Done By: OPERATOR | Borehole TVD: 10927 |
| API Well Number: 177034020601 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 71 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 49 |
| Public Info Code: Y 10-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 10008 / 8578 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 10900 / 9427 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 11935 / 10418 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 12080 / 10557 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 57 | Date of Summary: 13-MAR-1989 | First Sample Examined: 0 |
| Lease Number: G03289 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11200 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 11200 |
| API Well Number: 177034057700 | Drilling Operator: CONOCO INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 52 |
| Public Info Code: Y 19-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 5920 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6550 / | DEF IN Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 7150 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7810 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 8860 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |
| 8950 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 9430 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT |
| 9630 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 10240 / | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 10900 / | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: EC 69 | Date of Summary: 17-JUN-1998 | First Sample Examined: 0 |
| Lease Number: G17838 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9200 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9200 |
| API Well Number: 177034085500 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 58 |
| Public Info Code: Y 18-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6432 / 6432 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 7261 / 7261 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7734 / 7734 | DEF AT Upper Miocene (Tortonian) Robulus 15 | DEF AT |
| 8975 / 8975 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 109 | Date of Summary: 31-JUL-1991 | First Sample Examined: 0 |
| Lease Number: G08645 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11526 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10762 |
| API Well Number: 177034056100 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 29-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 5380 / 5346 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 7000 / 6767 | POS AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 8710 / 8246 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 9340 / 8796 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 10000 / 9384 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 109 | Date of Summary: 28-OCT-1988 | First Sample Examined: 1015 |
| Lease Number: G08645 | Source of Paleo: OPERATOR | Borehole MD: 10174 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9834 |
| API Well Number: 177034056300 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 1015 - 10174 | Water Depth: 68 |
| Public Info Code: Y 29-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1015 / 1015 | DEF AT first sample examined | DEF IN 1 |
| 5070 / 4970 | DEF AT - - - - - | DEF AT 2 |
| 5400 / 5279 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 6450 / 6271 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 7230 / 7015 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 2 |
| 7470 / 7244 | DEF AT - - - - - | DEF AT 3 |
| 8400 / 8135 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 9180 / 8884 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 9480 / 9171 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 3 |
| 9630 / 9314 | DEF AT - - - - - | DEF AT 4 |
| 10174 / 9834 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 109 | Date of Summary: 04-DEC-1989 | First Sample Examined: 4350 |
| Lease Number: G08645 | Source of Paleo: OPERATOR | Borehole MD: 8341 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7810 |
| API Well Number: 177034056301 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 4350 - 8341 | Water Depth: 68 |
| Public Info Code: Y 29-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4350 / 4299 | DEF AT first sample examined | DEF IN 2 |
| 5880 / 5656 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 2 |
| 6600 / 6285 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF IN 2 |
| 7020 / 6651 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF IN 2 |
| 7470 / 7044 | DEF AT - - - - - | DEF AT 3 |
| 8280 / 7759 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 8341 / 7813 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 109 | Date of Summary: 21-FEB-1990 | First Sample Examined: 4400 |
| Lease Number: G08645 | Source of Paleo: OPERATOR | Borehole MD: 11464 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11149 |
| API Well Number: 177034058800 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 4400 - 11465 | Water Depth: 68 |
| Public Info Code: Y 29-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4400 / 4328 | DEF AT first sample examined | DEF IN 1 |
| 4790 / 4696 | DEF AT - - - - - | DEF AT 2 |
| 5420 / 5295 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 7040 / 6865 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 2 |
| 8420 / 8211 | DEF AT - - - - - | DEF AT 3 |
| 8450 / 8240 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 9080 / 8844 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 9380 / 9134 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |
| 9740 / 9484 | DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis | DEF AT 4 |
| 10010 / 9748 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 10370 / 10097 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 11389 / 11082 | DEF AT gouge | DEF AT 5 |
| 11390 / 11083 | DEF IN Middle Miocene (Langhian) Cibicides 38 | DEF AT 5 |
| 11420 / 11112 | DEF AT anhydrite | DEF AT 5 |
| 11421 / 11113 | DEF AT domal material | DEF AT 5 |
| 11465 / 11156 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 109 | Date of Summary: 12-FEB-1990 | First Sample Examined: 4520 |
| Lease Number: G08645 | Source of Paleo: OPERATOR | Borehole MD: 10214 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9622 |
| API Well Number: 177034059000 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 4520 - 10386 | Water Depth: 69 |
| Public Info Code: Y 29-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4520 / 4332 | DEF AT first sample examined | DEF IN 1 |
| 4850 / 4636 | DEF AT - - - - - | DEF AT 2 |
| 5480 / 5217 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 7130 / 6766 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 2 |
| 8510 / 8080 | DEF AT - - - - - | DEF AT 3 |
| 8690 / 8250 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 9290 / 8807 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 9650 / 9142 | DEF AT - - - - - | DEF AT 4 |
| 10386 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 117 | Date of Summary: 25-MAY-1988 | First Sample Examined: 0 |
| Lease Number: G06618 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9073 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9072 |
| API Well Number: 177034055400 | Drilling Operator: COCKRELL OIL CORPORATION | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 67 |
| Public Info Code: Y 10-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4900 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 8165 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 8450 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 129 | Date of Summary: 15-MAY-1995 | First Sample Examined: 0 |
| Lease Number: G14364 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14500 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 13484 |
| API Well Number: 177034068100 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 81 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8950 / 8751 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 9610 / 9306 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 11560 / 10907 | DEF AT Upper Miocene (Tortonian) Robulus 15 | DEF AT |
| 12910 / 12052 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 132 | Date of Summary: 27-APR-1994 | First Sample Examined: 0 |
| Lease Number: G13581 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7200 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7200 |
| API Well Number: 177034064900 | Drilling Operator: ASHLAND EXPLORATION HOLDINGS INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 31-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5550 / 5550 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 134 | Date of Summary: 14-JUL-1993 | First Sample Examined: 0 |
| Lease Number: G13582 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7996 |
| API Well Number: 177034064300 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 78 |
| Public Info Code: Y 31-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5320 / 5319 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 6100 / 6098 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: EC 136 | Date of Summary: 13-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G14365 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13697 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13695 |
| API Well Number: 177034067900 | Drilling Operator: BRITISH-BORNEO USA INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 78 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10600 / 10599 | DEF IN Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 11900 / 11898 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 13010 / 13008 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 138 | Date of Summary: 05-JUL-1994 | First Sample Examined: 0 |
| Lease Number: G13864 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11448 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8217 |
| API Well Number: 177034066400 | Drilling Operator: NIPPON OIL EXPLORATION U S A | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 31-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5759 / 4728 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9397 / 6964 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10188 / 7481 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 140 | Date of Summary: 21-JUN-1993 | First Sample Examined: 0 |
| Lease Number: G13583 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6847 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6664 |
| API Well Number: 177034064100 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 82 |
| Public Info Code: Y 31-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5215 / 5198 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: EC 148 | Date of Summary: 15-JUL-1989 | First Sample Examined: 6900 |
| Lease Number: G05370 | Source of Paleo: OPERATOR | Borehole MD: 12615 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11896 |
| API Well Number: 177034057800 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 3150 - 12585 | Water Depth: 84 |
| Public Info Code: Y 25-APR-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 6900 / 6547 | DEF AT first sample examined | DEF AT 1 |
| 8200 / 7734 | DEF AT ----- | DEF AT 2 |
| 8500 / 8011 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 8600 / 8103 | DEF AT ----- | DEF AT 1 |
| 9300 / 8754 | DEF AT ----- | DEF AT 2 |
| 9450 / 8894 | DEF AT ----- | DEF AT 3 |
| 9720 / 9147 | DEF AT ----- | DEF AT 2 |
| 10200 / 9598 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 10260 / 9654 | DEF AT ----- | DEF AT 3 |
| 10470 / 9853 | DEF AT ----- | DEF AT 2 |
| 11340 / 10677 | DEF AT ----- | DEF AT 3 |
| 11600 / 10924 | DEF AT ----- | DEF AT 2 |
| 12060 / 11365 | DEF AT ----- | DEF AT 3 |
| 12585 / 11868 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: EC 148 | Date of Summary: 01-MAY-1989 | First Sample Examined: 6900 |
| Lease Number: G05370 | Source of Paleo: OPERATOR | Borehole MD: 12292 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11820 |
| API Well Number: 177034057801 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 188 |
| Paleo Report Num: 1 of 1 | Sample Range: 4400 - 12270 | Water Depth: 84 |
| Public Info Code: Y 16-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 6900 / 6633 | DEF AT first sample examined | DEF AT 1 |
| 7900 / 7597 | DEF AT - - - - - | DEF AT 2 |
| 8600 / 8273 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 8990 / 8648 | DEF AT - - - - - | DEF AT 3 |
| 9600 / 9234 | DEF AT - - - - - | DEF AT 2 |
| 10380 / 9979 | DEF AT Upper Miocene (Messinian) Discoaster quinquaramus | DEF AT 2 |
| 10440 / 10037 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 11340 / 10900 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 3 |
| 12270 / 11800 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 149 | Date of Summary: 25-SEP-1997 | First Sample Examined: 0 |
| Lease Number: G13865 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10802 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9800 |
| API Well Number: 177034067200 | Drilling Operator: SENECA RESOURCES CORPORATION | Rkb Elevation: 120 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 83 |
| Public Info Code: Y 24-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9880 / 9211 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 153 | Date of Summary: 20-MAY-1996 | First Sample Examined: 0 |
| Lease Number: G12829 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5200 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 5200 |
| API Well Number: 177034080200 | Drilling Operator: NIPPON OIL EXPLORATION U S A | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 85 |
| Public Info Code: Y 25-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4950 / | POS IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 154 | Date of Summary: 13-OCT-1995 | First Sample Examined: 0 |
| Lease Number: G11836 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7650 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7650 |
| API Well Number: 177034078900 | Drilling Operator: EOG RESOURCES INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 78 |
| Public Info Code: Y 03-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4840 / 4840 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6480 / 6480 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 7110 / 7109 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 169 | Date of Summary: 28-OCT-1996 | First Sample Examined: 5000 |
| Lease Number: G14367 | Source of Paleo: OPERATOR | Borehole MD: 12700 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12700 |
| API Well Number: 177034081600 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 2 | Sample Range: 5000 - 12700 | Water Depth: 83 |
| Public Info Code: Y 30-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 5000 / | DEF AT first sample examined | DEF AT 1 |
| 5180 / | DEF AT - - - - - | DEF AT 2 |
| 6170 / | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 6350 / | DEF AT - - - - - | DEF AT 3 |
| 6380 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 8510 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 8630 / | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 3 |
| 9770 / | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 9800 / | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 3 |
| 10610 / | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 3 |
| 11030 / | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 11210 / | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 3 |
| 12150 / | POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 4 |
| 12700 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 169 | Date of Summary: 28-OCT-1996 | First Sample Examined: 5000 |
| Lease Number: G14367 | Source of Paleo: OPERATOR | Borehole MD: 12700 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12700 |
| API Well Number: 177034081600 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 104 |
| Paleo Report Num: 2 of 2 | Sample Range: 5000 - 12700 | Water Depth: 83 |
| Public Info Code: Y 30-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5000 / | DEF AT first sample examined | DEF AT |
| 5269 / | DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 5270 / | DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 5390 / | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 6110 / | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 6230 / | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT |
| 6590 / | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 6770 / | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 12100 / | POS AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 12700 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 185 | Date of Summary: 10-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G05377 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12174 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 11675 |
| API Well Number: 177034049900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 93 |
| Public Info Code: Y 17-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8930 / 8643 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 11360 / 10921 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 11970 / 11496 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 205 | Date of Summary: 22-AUG-1994 | First Sample Examined: 0 |
| Lease Number: G13866 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9489 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8650 |
| API Well Number: 177034066900 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 107 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6304 / 6302 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6633 / 6622 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 213 | Date of Summary: 19-AUG-1985 | First Sample Examined: 0 |
| Lease Number: G04781 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9148 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9148 |
| API Well Number: 177034050600 | Drilling Operator: NCX COMPANY INC | Rkb Elevation: 135 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 113 |
| Public Info Code: Y 16-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 1620 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3240 / | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 4780 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6020 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7860 / | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 8195 / | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 213 | Date of Summary: 18-OCT-2001 | First Sample Examined: 0 |
| Lease Number: G09458 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13450 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 8850 |
| API Well Number: 177034063400 | Drilling Operator: NCX COMPANY INC | Rkb Elevation: 135 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 113 |
| Public Info Code: Y 06-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13218 / 8706 | DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 221 | Date of Summary: 24-JAN-1984 | First Sample Examined: 0 |
| Lease Number: G05383 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12070 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11763 |
| API Well Number: 177034045200 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 119 |
| Public Info Code: Y 25-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6000 / 5976 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 223 | Date of Summary: 09-MAY-1991 | First Sample Examined: 0 |
| Lease Number: G10632 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10175 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9800 |
| API Well Number: 177034061300 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 120 |
| Public Info Code: Y 27-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7980 / 7658 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8430 / 8090 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 9990 / 9618 | DEF AT - - - - | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 226 | Date of Summary: 04-MAR-1996 | First Sample Examined: 0 |
| Lease Number: G10633 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10407 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8241 |
| API Well Number: 177034066000 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 10-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6852 / 5711 | POS IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 226 | Date of Summary: 04-DEC-1996 | First Sample Examined: 0 |
| Lease Number: G10633 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10300 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 8212 |
| API Well Number: 177034081500 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 112 |
| Public Info Code: Y 10-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5850 / 4965 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6310 / 5302 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 231 | Date of Summary: 17-FEB-1986 | First Sample Examined: 0 |
| Lease Number: G02038 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9820 |
| Well Name: F001 | Paleo Done By: OPERATOR | Borehole TVD: 9508 |
| API Well Number: 177034052200 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 120 |
| Public Info Code: Y 25-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3242 / 3181 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4866 / 4671 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6541 / 6239 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 231 | Date of Summary: 08-MAY-1981 | First Sample Examined: 0 |
| Lease Number: G03537 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11709 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 10805 |
| API Well Number: 177034014200 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 65 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 123 |
| Public Info Code: Y 22-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4745 / 4712 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6381 / 6182 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 231 | Date of Summary: 06-MAY-1981 | First Sample Examined: 0 |
| Lease Number: G03537 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11556 |
| Well Name: B006 | Paleo Done By: OPERATOR | Borehole TVD: 10696 |
| API Well Number: 177034021300 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 121 |
| Public Info Code: Y 22-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5090 / 4795 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6710 / 6248 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 231 | Date of Summary: 11-APR-1991 | First Sample Examined: 0 |
| Lease Number: G10632 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16432 |
| Well Name: E003 | Paleo Done By: OPERATOR | Borehole TVD: 11088 |
| API Well Number: 177034060400 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 120 |
| Public Info Code: Y 27-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7810 / 5858 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 10240 / 7313 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 11920 / 8215 | DEF AT - - - - - | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 231 | Date of Summary: 18-APR-1991 | First Sample Examined: 0 |
| Lease Number: G10634 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12936 |
| Well Name: E004 | Paleo Done By: OPERATOR | Borehole TVD: 9932 |
| API Well Number: 177034061000 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 120 |
| Public Info Code: Y 26-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 7320 / 6232 | DEF AT - - - - - | DEF AT 2 |
| 7380 / 6274 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 7410 / 6295 | DEF AT - - - - - | DEF AT 3 |
| 7890 / 6631 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 9720 / 7812 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 10170 / 8109 | DEF AT - - - - - | DEF AT 4 |
| 10590 / 8387 | DEF AT local marker (general) | DEF AT 4 |
| 12180 / 9442 | DEF AT - - - - - | DEF AT 5 |
| 12210 / 9461 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 12240 / 9481 | DEF AT - - - - - | DEF AT 6 |
| 12270 / 9500 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 12600 / 9716 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 232 | Date of Summary: 29-SEP-1983 | First Sample Examined: 0 |
| Lease Number: G03537 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10896 |
| Well Name: D001 | Paleo Done By: OPERATOR | Borehole TVD: 10892 |
| API Well Number: 177034040700 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 125 |
| Public Info Code: Y 22-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7750 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7990 / | DEF AT - - - - - | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 233 | Date of Summary: 30-AUG-1988 | First Sample Examined: 0 |
| Lease Number: G09460 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7600 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7600 |
| API Well Number: 177034056800 | Drilling Operator: KOCH INDUSTRIES INC | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 124 |
| Public Info Code: Y 04-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6729 / | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 234 | Date of Summary: 27-DEC-1990 | First Sample Examined: 0 |
| Lease Number: G11841 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8120 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7657 |
| API Well Number: 177034060801 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 120 |
| Public Info Code: Y 11-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6650 / 6588 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 240 | Date of Summary: 03-FEB-1983 | First Sample Examined: 5500 |
| Lease Number: G04101 | Source of Paleo: OPERATOR | Borehole MD: 12202 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 11479 |
| API Well Number: 177044055200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 5500 - 11740 | Water Depth: 127 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5500 / 5064 | DEF AT first sample examined | DEF AT |
| 7360 / 6825 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 11740 / 11048 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 240 | Date of Summary: 01-AUG-1980 | First Sample Examined: 4340 |
| Lease Number: G04101 | Source of Paleo: OPERATOR | Borehole MD: 12886 |
| Well Name: JA001 | Paleo Done By: OPERATOR | Borehole TVD: 11253 |
| API Well Number: 177044047200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 4340 - 12880 | Water Depth: 127 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4340 / 4321 | DEF AT first sample examined | DEF AT |
| 6427 / 6035 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 12880 / 11253 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 240 | Date of Summary: 17-SEP-1981 | First Sample Examined: 6215 |
| Lease Number: G04101 | Source of Paleo: OPERATOR | Borehole MD: 11755 |
| Well Name: JA003 | Paleo Done By: OPERATOR | Borehole TVD: 10535 |
| API Well Number: 177044048900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 6215 - 11755 | Water Depth: 125 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6215 / 5695 | DEF AT first sample examined | DEF AT |
| 7170 / 6552 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 11755 / 10535 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 259 | Date of Summary: 22-JAN-1991 | First Sample Examined: 0 |
| Lease Number: G11846 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12726 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11994 |
| API Well Number: 177044074400 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 158 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6430 / 6418 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6850 / 6813 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7420 / 7330 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 268 | Date of Summary: 11-MAR-1997 | First Sample Examined: 6980 |
| Lease Number: G14375 | Source of Paleo: OPERATOR | Borehole MD: 13662 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13662 |
| API Well Number: 177044095400 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 6980 - 13640 | Water Depth: 167 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: 13490=possibly back in normal section

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 6980 / | DEF AT first sample examined | DEF AT 2 |
| 8240 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 8270 / | DEF AT - - - - - | DEF AT 3 |
| 9500 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 9650 / | DEF AT - - - - - | DEF AT 4 |
| 12200 / | DEF AT - - - - - | DEF AT 5 |
| 12500 / | DEF AT - - - - - | DEF AT 6 |
| 12650 / | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 12710 / | DEF AT salt | DEF AT 6 |
| 12950 / | POS AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 6 |
| 13490 / | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 13640 / | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 272 | Date of Summary: 22-OCT-1984 | First Sample Examined: 0 |
| Lease Number: G02047 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6779 |
| Well Name: H001 | Paleo Done By: OPERATOR | Borehole TVD: 6034 |
| API Well Number: 177044058100 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 180 |
| Public Info Code: Y 19-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1961 / 1959 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 2720 / 2661 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 4300 / 4046 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 278 | Date of Summary: 11-DEC-1985 | First Sample Examined: 0 |
| Lease Number: G00972 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9175 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 8955 |
| API Well Number: 177044062200 | Drilling Operator: TEXACO INC | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 174 |
| Public Info Code: Y 30-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7460 / 7289 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8250 / 8038 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 278 | Date of Summary: 09-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G00972 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13800 |
| Well Name: B003 | Paleo Done By: OPERATOR | Borehole TVD: 8657 |
| API Well Number: 177044062900 | Drilling Operator: TEXACO INC | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 174 |
| Public Info Code: Y 12-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12590 / 7913 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 278 | Date of Summary: 10-AUG-1999 | First Sample Examined: 0 |
| Lease Number: G00972 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13655 |
| Well Name: B007 | Paleo Done By: OPERATOR | Borehole TVD: 10292 |
| API Well Number: 177044067800 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 173 |
| Public Info Code: Y 27-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11220 / 8227 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 12310 / 9153 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 278 | Date of Summary: 27-SEP-1985 | First Sample Examined: 0 |
| Lease Number: G00974 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11615 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 10947 |
| API Well Number: 177044062000 | Drilling Operator: TEXACO INC | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 173 |
| Public Info Code: Y 05-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1800 / 1800 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7200 / 7166 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 278 | Date of Summary: 01-OCT-1996 | First Sample Examined: 0 |
| Lease Number: G00974 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12856 |
| Well Name: B004 | Paleo Done By: OPERATOR | Borehole TVD: 10662 |
| API Well Number: 177044067300 | Drilling Operator: TEXACO INC | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 173 |
| Public Info Code: Y 14-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8250 / 6996 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 11520 / 9591 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 278 | Date of Summary: 06-MAY-1998 | First Sample Examined: 0 |
| Lease Number: G00974 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15382 |
| Well Name: C005 | Paleo Done By: OPERATOR | Borehole TVD: 15243 |
| API Well Number: 177044069700 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 126 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 177 |
| Public Info Code: Y 11-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13300 / 13162 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 282 | Date of Summary: 16-JAN-1986 | First Sample Examined: 4926 |
| Lease Number: G07660 | Source of Paleo: OPERATOR | Borehole MD: 14997 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14992 |
| API Well Number: 177044062600 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 6 | Sample Range: 4926 - 13130 | Water Depth: 186 |
| Public Info Code: Y 11-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4926 / 4926 | DEF AT first sample examined | DEF IN 3 |
| 6726 / 6723 | DEF AT ----- | DEF AT 2 |
| 7656 / 7653 | DEF AT ----- | DEF AT 3 |
| 8660 / 8657 | DEF AT ----- | DEF AT 4 |
| 11570 / 11566 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 13130 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 282 | Date of Summary: 16-JAN-1986 | First Sample Examined: 9710 |
| Lease Number: G07660 | Source of Paleo: OPERATOR | Borehole MD: 14997 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14992 |
| API Well Number: 177044062600 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 87 |
| Paleo Report Num: 2 of 6 | Sample Range: 9710 - 12650 | Water Depth: 186 |
| Public Info Code: Y 11-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 1 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 9710 / 9707 | DEF AT first sample examined | DEF AT 4 |
| 12650 / 12645 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: EC 282 | Date of Summary: 16-JAN-1986 | First Sample Examined: 12020 |
| Lease Number: G07660 | Source of Paleo: OPERATOR | Borehole MD: 14997 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14992 |
| API Well Number: 177044062600 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 87 |
| Paleo Report Num: 3 of 6 | Sample Range: 12020 - 14990 | Water Depth: 186 |
| Public Info Code: Y 11-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 2 redrill report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12020 / 12015 | DEF AT first sample examined | DEF AT 4 |
| 14270 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 14990 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 282 | Date of Summary: 29-NOV-1989 | First Sample Examined: 0 |
| Lease Number: G07660 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15420 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 15032 |
| API Well Number: 177044071300 | Drilling Operator: FORCENERGY GOM INC | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 186 |
| Public Info Code: Y 09-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8340 / 8077 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 11380 / 10994 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 14765 / 14378 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 282 | Date of Summary: 11-SEP-1989 | First Sample Examined: 7910 |
| Lease Number: G07661 | Source of Paleo: OPERATOR | Borehole MD: 15290 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15103 |
| API Well Number: 177044070700 | Drilling Operator: FORCENERGY GOM INC | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 7910 - 15290 | Water Depth: 186 |
| Public Info Code: Y 27-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7910 / 7789 | DEF AT first sample examined | DEF IN 2 |
| 8090 / 7960 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 8150 / 8017 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8780 / 8617 | DEF AT Cyclammina cancellata (local marker) | DEF AT 3 |
| 12080 / 11894 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 14090 / 13904 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 15290 / 15103 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 283 | Date of Summary: 03-DEC-1985 | First Sample Examined: 8000 |
| Lease Number: G07661 | Source of Paleo: OPERATOR | Borehole MD: 16700 |
| Well Name: B001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16695 |
| API Well Number: 177044062800 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 8000 - 16700 | Water Depth: 181 |
| Public Info Code: Y 27-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8000 / 7999 | DEF AT first sample examined | DEF IN 3 |
| 8270 / 8269 | DEF AT - - - - - | DEF AT 4 |
| 11900 / 11897 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 14690 / 14685 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 16430 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 16460 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 16580 / | DEF AT - - - - - | DEF AT 6 |
| 16700 / | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 283 | Date of Summary: 02-FEB-1990 | First Sample Examined: 0 |
| Lease Number: G07661 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15525 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 15411 |
| API Well Number: 177044071500 | Drilling Operator: FORCENERGY GOM INC | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 186 |
| Public Info Code: Y 27-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7660 / 7608 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 12096 / 11982 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 14731 / 14617 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 286 | Date of Summary: 16-DEC-1988 | First Sample Examined: 0 |
| Lease Number: G02051 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7705 |
| Well Name: B004 | Paleo Done By: OPERATOR | Borehole TVD: 7705 |
| API Well Number: 177044068500 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 188 |
| Public Info Code: Y 17-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4583 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 297 | Date of Summary: 29-DEC-1987 | First Sample Examined: 8375 |
| Lease Number: G07663 | Source of Paleo: OPERATOR | Borehole MD: 18705 |
| Well Name: B001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18697 |
| API Well Number: 177044065700 | Drilling Operator: CLIFFS DRILLING COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 6 | Sample Range: 8375 - 17650 | Water Depth: 182 |
| Public Info Code: Y 23-JAN-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 8375 / 8375 | DEF AT first sample examined | DEF IN 3 |
| 8593 / 8593 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 8808 / 8808 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 3 |
| 10285 / 10284 | DEF AT - - - - - | DEF AT 4 |
| 11044 / 11043 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 15820 / 15818 | DEF AT - - - - - | DEF AT 3 |
| 16810 / 16806 | DEF AT - - - - - | DEF AT 2 |
| 17650 / 17644 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EC 297 | Date of Summary: 29-DEC-1987 | First Sample Examined: 17650 |
| Lease Number: G07663 | Source of Paleo: OPERATOR | Borehole MD: 18705 |
| Well Name: B001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18697 |
| API Well Number: 177044065700 | Drilling Operator: CLIFFS DRILLING COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 2 of 6 | Sample Range: 17650 - 18232 | Water Depth: 182 |
| Public Info Code: Y 23-JAN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 1 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 17650 / 17644 | DEF AT first sample examined | DEF IN 2 |
| 18232 / 18225 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EC 297 | Date of Summary: 29-DEC-1987 | First Sample Examined: 17970 |
| Lease Number: G07663 | Source of Paleo: OPERATOR | Borehole MD: 18705 |
| Well Name: B001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18697 |
| API Well Number: 177044065700 | Drilling Operator: CLIFFS DRILLING COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 3 of 6 | Sample Range: 17970 - 18705 | Water Depth: 182 |
| Public Info Code: Y 23-JAN-1998 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 2 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 17970 / 17964 | DEF AT first sample examined | DEF IN 2 |
| 18705 / 18697 | DEF AT last sample examined | DEF IN 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 297 | Date of Summary: 20-DEC-1991 | First Sample Examined: 0 |
| Lease Number: G07663 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17670 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 17344 |
| API Well Number: 177044073700 | Drilling Operator: FORCENERGY GOM INC | Rkb Elevation: 123 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 182 |
| Public Info Code: Y 29-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11075 / 10847 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: EC 299 | Date of Summary: 22-SEP-1993 | First Sample Examined: 0 |
| Lease Number: G05391 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16315 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 13838 |
| API Well Number: 177044058400 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 180 |
| Public Info Code: Y 08-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|---------|
| 1860 / 1860 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4330 / 4330 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 6420 / 6411 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9540 / 8827 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 10850 / 9729 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: EC 299 | Date of Summary: 15-OCT-1984 | First Sample Examined: 0 |
| Lease Number: G05391 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15300 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 13793 |
| API Well Number: 177044058800 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 180 |
| Public Info Code: Y 28-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6830 / 6328 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 10780 / 9757 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: EC 299 | Date of Summary: 02-APR-1986 | First Sample Examined: 0 |
| Lease Number: G05391 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17440 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 15055 |
| API Well Number: 177044061400 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 180 |
| Public Info Code: Y 24-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11120 / 9761 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 300 | Date of Summary: 17-DEC-1984 | First Sample Examined: 4730 |
| Lease Number: G06643 | Source of Paleo: OPERATOR | Borehole MD: 17085 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16702 |
| API Well Number: 177044059800 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 1 | Sample Range: 4730 - 16340 | Water Depth: 200 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4730 / 4729 | DEF AT first sample examined | DEF AT 3 |
| 4731 / 4730 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4940 / 4939 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 3 |
| 5060 / 5059 | POS AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 3 |
| 5960 / 5959 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8659 / 8657 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT 3 |
| 8660 / 8658 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 9769 / 9767 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 3 |
| 9770 / 9768 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 10506 / 10504 | DEF AT sample gap top | POS AT 3 |
| 10820 / 10817 | DEF AT sample gap bottom | DEF AT 4 |
| 10910 / 10907 | DEF AT - - - - | DEF AT 4 |
| 16340 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: EC 300 | Date of Summary: 18-MAR-1985 | First Sample Examined: 14000 |
| Lease Number: G06643 | Source of Paleo: OPERATOR | Borehole MD: 17773 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16945 |
| API Well Number: 177044059801 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 2 | Sample Range: 14000 - 17090 | Water Depth: 200 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14000 / | DEF AT first sample examined | DEF IN 3 |
| 14001 / | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 3 |
| 17090 / | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: EC 300 | Date of Summary: 23-NOV-1988 | First Sample Examined: 16550 |
| Lease Number: G06643 | Source of Paleo: OPERATOR | Borehole MD: 17773 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16945 |
| API Well Number: 177044059801 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 77 |
| Paleo Report Num: 2 of 2 | Sample Range: 16550 - 17685 | Water Depth: 200 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Sidetrack 1 OWDD report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 16550 / | DEF AT first sample examined | DEF AT 3 |
| 16551 / | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 17685 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 300 | Date of Summary: 01-OCT-1990 | First Sample Examined: 0 |
| Lease Number: G06643 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18212 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 17135 |
| API Well Number: 177044070901 | Drilling Operator: FORCENERGY GOM INC | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 200 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6000 / 5998 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9782 / 9779 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 300 | Date of Summary: 24-FEB-1986 | First Sample Examined: 1172 |
| Lease Number: G06643 | Source of Paleo: OPERATOR | Borehole MD: 21220 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19430 |
| API Well Number: 177044061800 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 6 | Sample Range: 1172 - 19117 | Water Depth: 182 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 1172 / 1171 | DEF AT first sample examined | DEF IN 2 |
| 1442 / 1441 | DEF AT - - - - | DEF AT 3 |
| 2072 / 2071 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 5350 / 5349 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 3 |
| 6250 / 6249 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8580 / 8578 | DEF AT sample gap top | POS AT 3 |
| 14500 / 14445 | DEF AT sample gap bottom | DEF IN 3 |
| 14920 / 14843 | POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 16570 / 16176 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 19117 / 17940 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: EC 300 | Date of Summary: 24-FEB-1986 | First Sample Examined: 17580 |
| Lease Number: G06643 | Source of Paleo: OPERATOR | Borehole MD: 21220 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19430 |
| API Well Number: 177044061800 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 94 |
| Paleo Report Num: 2 of 6 | Sample Range: 17580 - 20390 | Water Depth: 182 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 1 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 17580 / 16875 | DEF AT first sample examined | DEF AT 3 |
| 20390 / 18833 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: EC 300 | Date of Summary: 24-FEB-1986 | First Sample Examined: 20010 |
| Lease Number: G06643 | Source of Paleo: OPERATOR | Borehole MD: 21220 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19430 |
| API Well Number: 177044061800 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 94 |
| Paleo Report Num: 3 of 6 | Sample Range: 20010 - 21220 | Water Depth: 182 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 20010 / 18547 | DEF AT first sample examined | DEF AT 3 |
| 21030 / 19302 | DEF AT - - - - - | DEF AT 4 |
| 21180 / 19404 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 21220 / 19431 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 300 | Date of Summary: 24-SEP-1986 | First Sample Examined: 1172 |
| Lease Number: G06643 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 21220 |
| Well Name: A004 | Paleo Done By: ANTON FRIEDMANN | Borehole TVD: 19430 |
| API Well Number: 177044061800 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 94 |
| Paleo Report Num: 4 of 6 | Sample Range: 1172 - 19117 | Water Depth: 182 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 005 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1172 / 1171 | DEF AT first sample examined | DEF IN 1 |
| 2072 / 2071 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 1 |
| 4080 / 4079 | POS AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF IN 2 |
| 4710 / 4709 | DEF AT local marker foram decrease | DEF IN 2 |
| 4980 / 4979 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF IN 2 |
| 5380 / 5379 | DEF AT local marker foram decrease | DEF IN 2 |
| 6670 / 6669 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 6970 / 6968 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7330 / 7328 | DEF AT local marker foram decrease | DEF AT 3 |
| 8460 / 8458 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 8490 / 8488 | DEF AT foram flood | DEF IN 3 |
| 8580 / 8578 | DEF AT sample gap top | POS AT 3 |
| 9719 / 9717 | DEF AT sample gap bottom | DEF AT 3 |
| 9720 / 9718 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 10830 / 10827 | DEF AT sample gap top | POS AT 3 |
| 13630 / 13616 | DEF AT sample gap bottom | DEF AT 3 |
| 14050 / 14017 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 16510 / 16135 | DEF AT poor sample interval top | POS AT 3 |
| 17350 / 16716 | POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 4 |
| 19116 / 17939 | DEF AT poor sample interval bottom | POS AT 4 |
| 19117 / 17940 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EC 300 | Date of Summary: 25-SEP-1986 | First Sample Examined: 17580 |
| Lease Number: G06643 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 21220 |
| Well Name: A004 | Paleo Done By: ANTON FRIEDMANN | Borehole TVD: 19430 |
| API Well Number: 177044061800 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 94 |
| Paleo Report Num: 5 of 6 | Sample Range: 17580 - 20390 | Water Depth: 182 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 006 |

Remark: Sidetrack 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 17580 / 16875 | DEF AT first sample examined | POS AT 4 |
| 17581 / 16876 | DEF AT poor sample interval top | POS AT 4 |
| 18870 / 17770 | POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | POS AT 4 |
| 20389 / 18832 | DEF AT poor sample interval bottom | POS AT 4 |
| 20390 / 18833 | DEF AT last sample examined | POS AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EC 300 | Date of Summary: 26-SEP-1986 | First Sample Examined: 20010 |
| Lease Number: G06643 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 21220 |
| Well Name: A004 | Paleo Done By: ANTON FRIEDMANN | Borehole TVD: 19430 |
| API Well Number: 177044061800 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 94 |
| Paleo Report Num: 6 of 6 | Sample Range: 20010 - 21220 | Water Depth: 182 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 007 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 20010 / 18547 | DEF AT first sample examined | DEF IN 4 |
| 20011 / 18547 | DEF AT poor sample interval top | DEF IN 4 |
| 21030 / 19302 | DEF AT foram flood | DEF IN 4 |
| 21180 / 19404 | POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF IN 4 |
| 21219 / 19430 | DEF AT poor sample interval bottom | POS IN 4 |
| 21220 / 19431 | DEF AT last sample examined | POS IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 306 | Date of Summary: 26-JUL-1989 | First Sample Examined: 3724 |
| Lease Number: G07667 | Source of Paleo: OPERATOR | Borehole MD: 9168 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8349 |
| API Well Number: 177044070200 | Drilling Operator: TAYLOR ENERGY COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 2 | Sample Range: 3724 - 6110 | Water Depth: 197 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3724 / 3548 | DEF AT first sample examined | DEF AT 3 |
| 3725 / 3549 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6110 / 5440 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 306 | Date of Summary: 26-JUL-1989 | First Sample Examined: 6120 |
| Lease Number: G07667 | Source of Paleo: OPERATOR | Borehole MD: 9168 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8349 |
| API Well Number: 177044070200 | Drilling Operator: TAYLOR ENERGY COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 2 of 2 | Sample Range: 6120 - 9168 | Water Depth: 197 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6120 / 5448 | DEF AT first sample examined | DEF AT 3 |
| 6390 / 5678 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8640 / 7823 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | POS AT 4 |
| 9168 / 8350 | DEF AT last sample examined | POS AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 306 | Date of Summary: 28-FEB-1991 | First Sample Examined: 0 |
| Lease Number: G07667 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10054 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 9598 |
| API Well Number: 177044074200 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 200 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4100 / 4052 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 4880 / 4757 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 7530 / 7201 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 306 | Date of Summary: 10-JUL-1996 | First Sample Examined: 0 |
| Lease Number: G07667 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10415 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10415 |
| API Well Number: 177044073400 | Drilling Operator: ENRON CORP | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 195 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9020 / 9018 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 306 | Date of Summary: 25-OCT-1993 | First Sample Examined: 0 |
| Lease Number: G07667 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10225 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9507 |
| API Well Number: 177044074100 | Drilling Operator: ENRON CORP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 206 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7690 / 7369 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8560 / 8116 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 306 | Date of Summary: 07-MAY-1992 | First Sample Examined: 0 |
| Lease Number: G07667 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8569 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 8073 |
| API Well Number: 177044075700 | Drilling Operator: ENRON CORP | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 200 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6930 / 6619 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7740 / 7343 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7942 / 7524 | POS AT salt | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 310 | Date of Summary: 13-MAY-1996 | First Sample Examined: 0 |
| Lease Number: G14380 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 3605 |
| API Well Number: 177044082900 | Drilling Operator: SENECA RESOURCES CORPORATION | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 195 |
| Public Info Code: Y 31-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2925 / 2711 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 311 | Date of Summary: 19-NOV-1985 | First Sample Examined: 2520 |
| Lease Number: G06646 | Source of Paleo: OPERATOR | Borehole MD: 8661 |
| Well Name: AJ001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8661 |
| API Well Number: 177044063100 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 2520 - 8650 | Water Depth: 200 |
| Public Info Code: Y 15-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 2520 / | DEF AT first sample examined | DEF AT 2 |
| 2521 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 4060 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 3 |
| 4210 / | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 6400 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6610 / | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 7690 / | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 8168 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 8169 / | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 4 |
| 8170 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 8650 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 311 | Date of Summary: 11-DEC-1985 | First Sample Examined: 2240 |
| Lease Number: G06646 | Source of Paleo: OPERATOR | Borehole MD: 9507 |
| Well Name: AJ002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9006 |
| API Well Number: 177044063300 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 2240 - 9470 | Water Depth: 200 |
| Public Info Code: Y 30-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 2240 / 2240 | DEF AT first sample examined | DEF AT |
| 2241 / 2241 | DEF AT cement | DEF AT |
| 2330 / 2329 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 4070 / 3998 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 4280 / 4191 | DEF AT ----- | DEF AT 2 |
| 6020 / 5762 | DEF AT ----- | DEF AT 3 |
| 6120 / 5852 | DEF AT ----- | DEF AT 2 |
| 6750 / 6432 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6900 / 6571 | DEF AT ----- | DEF AT 2 |
| 8300 / 7878 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 8690 / 8241 | DEF AT ----- | DEF AT 4 |
| 8720 / 8269 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 8930 / 8466 | DEF AT ----- | DEF AT 3 |
| 9470 / 8972 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 311 | Date of Summary: 25-JUN-1990 | First Sample Examined: 0 |
| Lease Number: G06646 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12300 |
| Well Name: AJ004 | Paleo Done By: OPERATOR | Borehole TVD: 12102 |
| API Well Number: 177044068400 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 200 |
| Public Info Code: Y 28-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6450 / 6287 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8430 / 8240 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 11470 / 11274 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 313 | Date of Summary: 17-AUG-1988 | First Sample Examined: 0 |
| Lease Number: G08656 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9263 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9263 |
| API Well Number: 177044067700 | Drilling Operator: AMERAC ENERGY CORPORATION | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 200 |
| Public Info Code: Y 14-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 3330 / | DEF AT - - - - - | DEF AT 3 |
| 5360 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5930 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 6830 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 6890 / | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 313 | Date of Summary: 03-OCT-1988 | First Sample Examined: 0 |
| Lease Number: G08656 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8715 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8715 |
| API Well Number: 177044068300 | Drilling Operator: AMERAC ENERGY CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 205 |
| Public Info Code: Y 24-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2932 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4521 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6360 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8610 / | DEF AT salt | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 313 | Date of Summary: 02-JAN-2001 | First Sample Examined: 0 |
| Lease Number: G08656 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6473 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 5524 |
| API Well Number: 177044071201 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 201 |
| Public Info Code: Y 15-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3950 / 3602 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5720 / 4930 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 313 | Date of Summary: 11-JUL-2001 | First Sample Examined: 0 |
| Lease Number: G08656 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5800 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 5800 |
| API Well Number: 177044073600 | Drilling Operator: WALTER OIL & GAS CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 210 |
| Public Info Code: Y 15-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5261 / 5261 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 313 | Date of Summary: 14-JUN-2001 | First Sample Examined: 0 |
| Lease Number: G08656 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6337 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 5733 |
| API Well Number: 177044073900 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 210 |
| Public Info Code: Y 15-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5760 / 5245 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 316 | Date of Summary: 08-AUG-1991 | First Sample Examined: 0 |
| Lease Number: G06651 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13079 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13076 |
| API Well Number: 177044075000 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 210 |
| Public Info Code: Y 27-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9160 / 9159 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 317 | Date of Summary: 19-DEC-1985 | First Sample Examined: 1330 |
| Lease Number: G05392 | Source of Paleo: OPERATOR | Borehole MD: 8055 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8055 |
| API Well Number: 177044060500 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 1330 - 8050 | Water Depth: 222 |
| Public Info Code: Y 04-JAN-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1330 / 1330 | DEF AT first sample examined | DEF AT 1 |
| 1540 / 1540 | DEF AT ----- | DEF AT 2 |
| 1720 / 1720 | DEF AT ----- | DEF AT 1 |
| 1900 / 1900 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 1 |
| 1930 / 1930 | DEF AT ----- | DEF AT 2 |
| 2080 / 2080 | DEF AT ----- | DEF AT 1 |
| 2140 / 2140 | POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 2 |
| 2200 / 2200 | DEF AT ----- | DEF AT 1 |
| 2500 / 2500 | DEF AT ----- | DEF AT 2 |
| 2530 / 2530 | DEF AT ----- | DEF AT 1 |
| 3100 / 3100 | DEF AT ----- | DEF AT 2 |
| 3280 / 3280 | DEF AT ----- | DEF AT 1 |
| 3340 / 3340 | DEF AT ----- | DEF AT 2 |
| 3550 / 3550 | DEF AT ----- | DEF AT 1 |
| 3670 / 3670 | DEF AT ----- | DEF AT 2 |
| 3730 / 3730 | DEF AT ----- | DEF AT 1 |
| 3940 / 3940 | DEF AT ----- | DEF AT 2 |
| 4120 / 4120 | DEF AT ----- | DEF AT 1 |
| 4659 / 4659 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 2 |
| 4660 / 4660 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 4870 / 4870 | DEF AT ----- | DEF AT 1 |
| 5290 / 5290 | DEF AT ----- | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 317 | Date of Summary: 19-DEC-1985 | First Sample Examined: 1330 |
| Lease Number: G05392 | Source of Paleo: OPERATOR | Borehole MD: 8055 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8055 |
| API Well Number: 177044060500 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 1330 - 8050 | Water Depth: 222 |
| Public Info Code: Y 04-JAN-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5320 / 5320 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 3 |
| 5440 / 5440 | DEF AT ----- | DEF AT 2 |
| 5470 / 5470 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 2 |
| 5530 / 5530 | DEF AT ----- | DEF AT 3 |
| 5680 / 5680 | DEF AT ----- | DEF AT 1 |
| 5740 / 5740 | DEF AT ----- | DEF AT 3 |
| 5830 / 5830 | DEF AT ----- | DEF AT 2 |
| 6250 / 6250 | DEF AT ----- | DEF AT 1 |
| 6550 / 6550 | DEF AT ----- | DEF AT 2 |
| 7120 / 7119 | DEF AT ----- | DEF AT 3 |
| 7360 / 7359 | DEF AT ----- | DEF AT 2 |
| 7480 / 7479 | DEF AT ----- | DEF AT 3 |
| 7900 / 7899 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 8050 / 8049 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 318 | Date of Summary: 07-APR-1988 | First Sample Examined: 1260 |
| Lease Number: G05393 | Source of Paleo: OPERATOR | Borehole MD: 12093 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12093 |
| API Well Number: 177044065900 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 1260 - 12093 | Water Depth: 225 |
| Public Info Code: Y 06-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 1260 / | DEF AT first sample examined | DEF IN 2 |
| 1560 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 1920 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4770 / | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7800 / | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 8820 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 11910 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12093 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 319 | Date of Summary: 23-JAN-1998 | First Sample Examined: 0 |
| Lease Number: G13870 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13739 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12575 |
| API Well Number: 177044098300 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 217 |
| Public Info Code: Y 31-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7254 / 6719 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 7971 / 7329 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 13359 / 12208 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 13360 / 12209 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 321 | Date of Summary: 10-APR-1984 | First Sample Examined: 4030 |
| Lease Number: G02061 | Source of Paleo: OPERATOR | Borehole MD: 9620 |
| Well Name: B005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7704 |
| API Well Number: 177044057900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 4030 - 9620 | Water Depth: 232 |
| Public Info Code: Y 28-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4030 / 3504 | DEF AT first sample examined | DEF IN 2 |
| 4450 / 3807 | DEF AT - - - - - | DEF AT 3 |
| 4630 / 3938 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 9620 / 7702 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 321 | Date of Summary: 17-FEB-1984 | First Sample Examined: 3340 |
| Lease Number: G02061 | Source of Paleo: OPERATOR | Borehole MD: 7442 |
| Well Name: B006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7306 |
| API Well Number: 177044058000 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 1 | Sample Range: 3340 - 7441 | Water Depth: 232 |
| Public Info Code: Y 06-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3340 / 3321 | DEF AT first sample examined | DEF IN 3 |
| 4090 / 4025 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 7441 / 7305 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 321 | Date of Summary: 13-AUG-1984 | First Sample Examined: 4000 |
| Lease Number: G02061 | Source of Paleo: OPERATOR | Borehole MD: 7960 |
| Well Name: B007 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7111 |
| API Well Number: 177044059200 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 7960 | Water Depth: 232 |
| Public Info Code: Y 06-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 4000 / 3505 | DEF AT first sample examined | DEF IN 2 |
| 4540 / 3897 | DEF AT - - - - - | DEF AT 3 |
| 5320 / 4569 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7240 / 6386 | DEF AT sample gap top | POS AT 3 |
| 7540 / 6683 | DEF AT sample gap bottom | DEF AT 3 |
| 7960 / 7101 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 321 | Date of Summary: 25-MAY-1984 | First Sample Examined: 4530 |
| Lease Number: G02061 | Source of Paleo: OPERATOR | Borehole MD: 8200 |
| Well Name: B008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7868 |
| API Well Number: 177044058600 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 4530 - 8200 | Water Depth: 232 |
| Public Info Code: Y 17-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4530 / 4223 | DEF AT first sample examined | DEF IN 3 |
| 4980 / 4661 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF IN 3 |
| 8040 / 7709 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 3 |
| 8200 / 7868 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 321 | Date of Summary: 04-DEC-1984 | First Sample Examined: 3500 |
| Lease Number: G02061 | Source of Paleo: OPERATOR | Borehole MD: 7527 |
| Well Name: B009 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7240 |
| API Well Number: 177044059900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 1 | Sample Range: 3500 - 7520 | Water Depth: 232 |
| Public Info Code: Y 22-DEC-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3500 / 3497 | DEF AT first sample examined | DEF IN 3 |
| 4160 / 4150 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 7520 / 7234 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 321 | Date of Summary: 18-OCT-1984 | First Sample Examined: 4370 |
| Lease Number: G02061 | Source of Paleo: OPERATOR | Borehole MD: 12152 |
| Well Name: B010 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10707 |
| API Well Number: 177044059400 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 2 | Sample Range: 4370 - 10370 | Water Depth: 232 |
| Public Info Code: Y 02-NOV-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4370 / 4147 | DEF AT first sample examined | DEF IN 3 |
| 4790 / 4451 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 9440 / 8104 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 3 |
| 9980 / 8591 | DEF AT - - - - - | DEF AT 4 |
| 10370 / 8956 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 321 | Date of Summary: 18-OCT-1984 | First Sample Examined: 9380 |
| Lease Number: G02061 | Source of Paleo: OPERATOR | Borehole MD: 12152 |
| Well Name: B010 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10707 |
| API Well Number: 177044059400 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 115 |
| Paleo Report Num: 2 of 2 | Sample Range: 9380 - 12140 | Water Depth: 232 |
| Public Info Code: Y 02-NOV-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 9380 / 8055 | DEF AT first sample examined | DEF IN 3 |
| 9381 / 8056 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 3 |
| 9860 / 8479 | DEF AT - - - - | DEF AT 4 |
| 11600 / 10160 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 12140 / 10695 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 321 | Date of Summary: 06-JUL-1984 | First Sample Examined: 5610 |
| Lease Number: G02061 | Source of Paleo: OPERATOR | Borehole MD: 9670 |
| Well Name: B011 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8051 |
| API Well Number: 177044058700 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 5610 - 9660 | Water Depth: 232 |
| Public Info Code: Y 30-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5610 / 4525 | DEF AT first sample examined | DEF IN 2 |
| 5611 / 4525 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 2 |
| 6150 / 4929 | DEF AT - - - - - | DEF AT 3 |
| 8400 / 6802 | DEF AT - - - - - | DEF AT 4 |
| 9030 / 7417 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 9660 / 8042 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 321 | Date of Summary: 12-FEB-1985 | First Sample Examined: 3900 |
| Lease Number: G02061 | Source of Paleo: OPERATOR | Borehole MD: 8679 |
| Well Name: B012 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7219 |
| API Well Number: 177044060600 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 3900 - 8670 | Water Depth: 232 |
| Public Info Code: Y 08-MAR-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3900 / 3518 | DEF AT first sample examined | DEF IN 3 |
| 5100 / 4450 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 8670 / 7212 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 321 | Date of Summary: 14-MAR-1985 | First Sample Examined: 3810 |
| Lease Number: G02061 | Source of Paleo: OPERATOR | Borehole MD: 7646 |
| Well Name: B014 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7213 |
| API Well Number: 177044060900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 3810 - 7620 | Water Depth: 232 |
| Public Info Code: Y 10-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3810 / 3809 | DEF AT first sample examined | DEF AT 3 |
| 3811 / 3810 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4260 / 4258 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7620 / 7195 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 324 | Date of Summary: 27-DEC-1995 | First Sample Examined: 1058 |
| Lease Number: G14381 | Source of Paleo: OPERATOR | Borehole MD: 2500 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 2500 |
| API Well Number: 177044082200 | Drilling Operator: PIONEER NATURAL RESOURCES USA INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 1058 - 2040 | Water Depth: 199 |
| Public Info Code: Y 31-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1058 / | DEF AT first sample examined | DEF AT 2 |
| 1380 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 1470 / | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 1920 / | POS AT reworked material | DEF AT 3 |
| 2040 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 332 | Date of Summary: 19-AUG-1996 | First Sample Examined: 0 |
| Lease Number: G12852 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13975 |
| Well Name: A011 | Paleo Done By: OPERATOR | Borehole TVD: 11610 |
| API Well Number: 177044083100 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 120 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 250 |
| Public Info Code: Y 28-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10957 / 9103 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 11210 / 9302 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|----------------------------|
| Area Block: EC 346 | Date of Summary: 30-APR-1985 | First Sample Examined: 850 |
| Lease Number: G06655 | Source of Paleo: OPERATOR | Borehole MD: 9774 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7935 |
| API Well Number: 177044061100 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 850 - 9774 | Water Depth: 306 |
| Public Info Code: Y 26-MAY-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 850 / 850 | DEF AT first sample examined | DEF IN 2 |
| 1200 / 1200 | DEF AT - - - - - | DEF AT 3 |
| 2370 / 2370 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 3360 / 3352 | DEF AT sample gap top | POS AT 3 |
| 4680 / 4417 | DEF AT sample gap bottom | DEF AT 3 |
| 5490 / 4993 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8010 / 6673 | DEF AT - - - - - | DEF AT 4 |
| 9774 / 7935 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 346 | Date of Summary: 05-JUN-1985 | First Sample Examined: 4230 |
| Lease Number: G06655 | Source of Paleo: OPERATOR | Borehole MD: 11153 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10793 |
| API Well Number: 177044061500 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 4230 - 11153 | Water Depth: 310 |
| Public Info Code: Y 01-JUL-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4230 / 4230 | DEF AT first sample examined | DEF IN 3 |
| 4231 / 4231 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 4710 / 4710 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 3 |
| 5430 / 5430 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 7710 / 7699 | DEF AT - - - - - | DEF AT 5 |
| 7830 / 7815 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 8400 / 8346 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 10770 / 10476 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 11153 / 10793 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 346 | Date of Summary: 28-JUN-1985 | First Sample Examined: 8010 |
| Lease Number: G06655 | Source of Paleo: OPERATOR | Borehole MD: 12500 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11475 |
| API Well Number: 177044061501 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 8010 - 12480 | Water Depth: 305 |
| Public Info Code: Y 26-JUL-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 8010 / 7936 | DEF AT first sample examined | DEF IN 5 |
| 8400 / 8224 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 10290 / 9572 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 10530 / 9772 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 5 |
| 10590 / 9823 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF IN 5 |
| 10740 / 9950 | DEF AT - - - - - | DEF AT 6 |
| 11010 / 10179 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 6 |
| 12480 / 11457 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 346 | Date of Summary: 23-JAN-1986 | First Sample Examined: 4890 |
| Lease Number: G06655 | Source of Paleo: OPERATOR | Borehole MD: 10980 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9178 |
| API Well Number: 177044063200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 2 | Sample Range: 4890 - 8460 | Water Depth: 313 |
| Public Info Code: Y 13-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4890 / 4300 | DEF AT first sample examined | DEF IN 3 |
| 5670 / 4894 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 8460 / 7089 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EC 346 | Date of Summary: 23-JAN-1986 | First Sample Examined: 8460 |
| Lease Number: G06655 | Source of Paleo: OPERATOR | Borehole MD: 10980 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9178 |
| API Well Number: 177044063200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 95 |
| Paleo Report Num: 2 of 2 | Sample Range: 8460 - 10980 | Water Depth: 313 |
| Public Info Code: Y 13-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 8460 / 7089 | DEF AT first sample examined | DEF AT 3 |
| 8520 / 7139 | DEF AT - - - - - | DEF AT 4 |
| 9600 / 8041 | DEF AT - - - - - | DEF AT 5 |
| 10530 / 8807 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 10800 / 9030 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10980 / 9178 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EC 349 | Date of Summary: 15-OCT-1997 | First Sample Examined: 0 |
| Lease Number: G13592 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7669 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 6272 |
| API Well Number: 177044081400 | Drilling Operator: EP OPERATING LIMITED PARTNER | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 306 |
| Public Info Code: Y 29-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3990 / 3641 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5820 / 4919 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 6750 / 5588 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 358 | Date of Summary: 20-MAY-1999 | First Sample Examined: 2480 |
| Lease Number: G14388 | Source of Paleo: OPERATOR | Borehole MD: 6148 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 5150 |
| API Well Number: 177044099500 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 2480 - 6148 | Water Depth: 331 |
| Public Info Code: Y 06-NOV-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2480 / 2468 | DEF AT first sample examined | DEF AT 3 |
| 3320 / 3101 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 5240 / 4276 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 3 |
| 5450 / 4463 | DEF AT transported shelf fauna | DEF AT 3 |
| 5870 / 4872 | DEF AT transported shelf fauna | DEF AT 3 |
| 6148 / 5150 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 364 | Date of Summary: 01-OCT-1997 | First Sample Examined: 4200 |
| Lease Number: G13593 | Source of Paleo: OPERATOR | Borehole MD: 13150 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 13148 |
| API Well Number: 177044096900 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 2 | Sample Range: 4200 - 13150 | Water Depth: 367 |
| Public Info Code: Y 17-APR-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 4200 / | DEF AT first sample examined | DEF AT |
| 5730 / | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 6630 / | DEF AT local marker floral increase | DEF AT |
| 7050 / | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7170 / | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7230 / | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 7290 / | DEF AT reworked material | DEF AT |
| 7350 / | DEF AT reworked material | DEF AT |
| 7410 / | DEF AT reworked material | DEF AT |
| 8310 / | DEF AT local marker floral increase | DEF AT |
| 8430 / | POS AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 8490 / | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 9090 / | DEF AT out-of-place section | DEF AT |
| 10430 / | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 10490 / | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 10800 / | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 10920 / | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 11100 / | POS AT Upper Miocene (Messinian) Discoaster quinquerramus (increase) | DEF AT |
| 11880 / | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |
| 12360 / | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 12480 / | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 13149 / | DEF IN Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 364 | Date of Summary: 01-OCT-1997 | First Sample Examined: 4200 |
| Lease Number: G13593 | Source of Paleo: OPERATOR | Borehole MD: 13150 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 13148 |
| API Well Number: 177044096900 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 2 | Sample Range: 4200 - 13150 | Water Depth: 367 |
| Public Info Code: Y 17-APR-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 13150 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 364 | Date of Summary: 05-NOV-1997 | First Sample Examined: 4200 |
| Lease Number: G13593 | Source of Paleo: OPERATOR | Borehole MD: 13150 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 13148 |
| API Well Number: 177044096900 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 80 |
| Paleo Report Num: 2 of 2 | Sample Range: 4200 - 13150 | Water Depth: 367 |
| Public Info Code: Y 17-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: 7260=Possible overturned block becoming younger downhole, 10920=A-fauna by nannos

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4200 / | DEF AT first sample examined | POS AT 2 |
| 4230 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 4350 / | DEF AT local marker foram increase | DEF AT 2 |
| 4470 / | DEF AT local marker (general) | DEF AT 2 |
| 5100 / | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 2 |
| 5130 / | DEF AT local marker (general) | DEF AT 2 |
| 5160 / | DEF AT local marker (general) | DEF AT 2 |
| 5310 / | DEF AT local marker foram increase | DEF AT 3 |
| 5430 / | DEF AT local marker foram increase | DEF AT 3 |
| 5490 / | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 5640 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 5820 / | DEF AT reworked material | DEF AT 3 |
| 5880 / | DEF AT reworked material | DEF AT 3 |
| 5970 / | DEF AT reworked material | DEF AT 3 |
| 6240 / | DEF AT local marker foram increase | DEF AT 3 |
| 6390 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 6930 / | DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 4 |
| 7140 / | DEF AT local marker foram increase | DEF AT 4 |
| 7170 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 7260 / | POS AT reworked material | DEF AT 4 |
| 8010 / | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 8310 / | DEF AT local marker foram increase | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 364 | Date of Summary: 05-NOV-1997 | First Sample Examined: 4200 |
| Lease Number: G13593 | Source of Paleo: OPERATOR | Borehole MD: 13150 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 13148 |
| API Well Number: 177044096900 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 80 |
| Paleo Report Num: 2 of 2 | Sample Range: 4200 - 13150 | Water Depth: 367 |
| Public Info Code: Y 17-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 8340 / | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 8370 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 8400 / | DEF AT local marker foram increase | DEF AT 4 |
| 8430 / | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 4 |
| 8431 / | DEF AT reworked material | DEF AT 4 |
| 8670 / | DEF AT local marker foram increase | DEF AT 3 |
| 8730 / | DEF AT limestone | DEF AT 4 |
| 9090 / | POS AT reworked material | DEF AT 4 |
| 9120 / | DEF AT sand | DEF AT 3 |
| 9300 / | POS AT Arenaceous fauna (local marker) | DEF AT 3 |
| 9420 / | DEF AT local marker foram increase | DEF AT 4 |
| 9870 / | DEF AT Arenaceous fauna (local marker) | DEF AT 3 |
| 10380 / | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT 4 |
| 10410 / | DEF AT limestone | DEF AT 4 |
| 10440 / | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10470 / | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 10500 / | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 10770 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 10800 / | DEF AT cement | DEF AT |
| 10860 / | DEF AT local marker foram increase | DEF AT 4 |
| 10890 / | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 10920 / | DEF AT local marker (general) | DEF AT 4 |
| 11010 / | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 11100 / | DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EC 364 | Date of Summary: 05-NOV-1997 | First Sample Examined: 4200 |
| Lease Number: G13593 | Source of Paleo: OPERATOR | Borehole MD: 13150 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 13148 |
| API Well Number: 177044096900 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 80 |
| Paleo Report Num: 2 of 2 | Sample Range: 4200 - 13150 | Water Depth: 367 |
| Public Info Code: Y 17-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 11520 / | DEF AT local marker foram increase | DEF AT 4 |
| 11790 / | DEF AT local marker foram increase | DEF AT 4 |
| 11910 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 11970 / | DEF AT local marker (general) | DEF AT 3 |
| 12090 / | DEF AT local marker foram increase | DEF AT 3 |
| 12120 / | DEF AT local marker foram increase | DEF AT 3 |
| 12420 / | DEF AT reworked material | DEF AT 3 |
| 12480 / | POS AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 4 |
| 12540 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 4 |
| 12570 / | DEF AT local marker foram increase | DEF AT 4 |
| 12600 / | DEF AT local marker foram increase | DEF AT 4 |
| 12630 / | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT 3 |
| 12720 / | DEF AT local marker foram increase | DEF AT 4 |
| 12840 / | DEF AT sand | DEF AT 3 |
| 13110 / | POS IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 13140 / | DEF AT local marker foram increase | DEF AT 4 |
| 13150 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 365 | Date of Summary: 20-DEC-1993 | First Sample Examined: 4050 |
| Lease Number: G13593 | Source of Paleo: OPERATOR | Borehole MD: 10804 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6199 |
| API Well Number: 177044079000 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 4050 - 10804 | Water Depth: 374 |
| Public Info Code: Y 17-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: 6270=gray limestone 1 zone, 6930=gray limestone 2 zone

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4050 / 3409 | DEF AT first sample examined | DEF AT |
| 4051 / 3409 | DEF IN Illinoian fauna (local marker) | DEF AT |
| 4110 / 3431 | DEF AT - - - - - | DEF AT 2 |
| 4950 / 3714 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 5130 / 3774 | DEF AT shell fragments | DEF AT 2 |
| 5190 / 3793 | DEF AT - - - - - | DEF IN 2 |
| 5550 / 3906 | DEF AT - - - - - | DEF AT 2 |
| 6150 / 4120 | DEF AT local marker (general) | DEF IN 1 |
| 6270 / 4157 | DEF AT limestone | DEF IN 1 |
| 6390 / 4194 | DEF AT - - - - - | DEF AT 2 |
| 6930 / 4356 | DEF AT limestone | DEF AT 2 |
| 7710 / 4601 | DEF AT sand | DEF AT 2 |
| 7950 / 4692 | DEF AT local marker foram increase | DEF AT 2 |
| 8550 / 4912 | DEF AT local marker foram increase | DEF AT 2 |
| 8551 / 4913 | DEF AT shell fragments | DEF AT 2 |
| 8670 / 4954 | DEF AT sand | DEF AT 2 |
| 9030 / 5080 | DEF AT local marker foram increase | DEF AT 2 |
| 9210 / 5144 | DEF AT drilling material | DEF AT 2 |
| 10110 / 5653 | DEF AT local marker foram increase | DEF IN 2 |
| 10410 / 5877 | DEF AT - - - - - | DEF AT 2 |
| 10590 / 6021 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF IN 3 |
| 10710 / 6120 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF IN 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 365 | Date of Summary: 20-DEC-1993 | First Sample Examined: 4050 |
| Lease Number: G13593 | Source of Paleo: OPERATOR | Borehole MD: 10804 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6199 |
| API Well Number: 177044079000 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 4050 - 10804 | Water Depth: 374 |
| Public Info Code: Y 17-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 10804 / 6200 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 370 | Date of Summary: 18-JUL-1974 | First Sample Examined: 2220 |
| Lease Number: G02266 | Source of Paleo: OPERATOR | Borehole MD: 7384 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 5844 |
| API Well Number: 177044019502 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 2 | Sample Range: 2220 - 6588 | Water Depth: 368 |
| Public Info Code: Y 26-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 2220 / 2220 | DEF AT first sample examined | DEF AT |
| 2221 / 2221 | DEF IN cement | DEF AT |
| 2670 / 2669 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 4 |
| 2910 / 2903 | DEF AT - - - - - | DEF AT 3 |
| 3570 / 3502 | DEF AT - - - - - | DEF AT 4 |
| 3690 / 3594 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 3930 / 3758 | DEF AT - - - - - | DEF AT 3 |
| 4290 / 3998 | POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 6588 / 5399 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EC 370 | Date of Summary: 18-JUL-1974 | First Sample Examined: 4020 |
| Lease Number: G02266 | Source of Paleo: OPERATOR | Borehole MD: 7384 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 5844 |
| API Well Number: 177044019502 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 2 of 2 | Sample Range: 4020 - 7380 | Water Depth: 368 |
| Public Info Code: Y 26-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 4020 / 3816 | DEF AT first sample examined | DEF AT 2 |
| 5160 / 4535 | DEF AT - - - - - | DEF AT 3 |
| 7380 / 5842 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 10 | Date of Summary: 17-APR-1980 | First Sample Examined: 4020 |
| Lease Number: G02892 | Source of Paleo: OPERATOR | Borehole MD: 14547 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 14496 |
| API Well Number: 177094038700 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 45 |
| Paleo Report Num: 1 of 2 | Sample Range: 4020 - 15040 | Water Depth: 10 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4020 / 4020 | DEF AT first sample examined | DEF AT 1 |
| 4021 / 4021 | DEF AT cement | DEF AT 1 |
| 7080 / 7080 | DEF AT - - - - - | DEF AT 2 |
| 7230 / 7230 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 7410 / 7410 | DEF AT - - - - - | DEF AT 2 |
| 8920 / 8919 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 9100 / 9099 | DEF AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT 3 |
| 9890 / 9889 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 10090 / 10089 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 10480 / 10479 | DEF IN local marker benthic foram increase | DEF AT 5 |
| 10990 / 10989 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 11140 / 11139 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 5 |
| 11500 / 11499 | DEF AT - - - - - | DEF AT 4 |
| 12160 / 12157 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 5 |
| 12520 / 12511 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 5 |
| 12940 / 12922 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 7 |
| 13539 / 13511 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 5 |
| 13540 / 13512 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 5 |
| 15040 / | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EI 10 | Date of Summary: 16-JUL-1980 | First Sample Examined: 11800 |
| Lease Number: G02892 | Source of Paleo: OPERATOR | Borehole MD: 14547 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 14496 |
| API Well Number: 177094038700 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 45 |
| Paleo Report Num: 2 of 2 | Sample Range: 11800 - 14110 | Water Depth: 10 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 11800 / 11799 | DEF AT first sample examined | POS AT 5 |
| 11801 / 11800 | DEF AT cement | POS AT 5 |
| 11802 / 11801 | DEF IN Middle Miocene (Serravallian) Textularia "W" | POS AT 5 |
| 12190 / 12186 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 5 |
| 12550 / 12541 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 5 |
| 12940 / 12922 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 7 |
| 13540 / 13512 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 5 |
| 14110 / 14070 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 10 | Date of Summary: 22-OCT-1981 | First Sample Examined: 9500 |
| Lease Number: G02892 | Source of Paleo: OPERATOR | Borehole MD: 15573 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15573 |
| API Well Number: 177094041700 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 38 |
| Paleo Report Num: 1 of 1 | Sample Range: 9500 - 15560 | Water Depth: 13 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9500 / 9500 | DEF AT first sample examined | DEF AT 3 |
| 10010 / 10010 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 11210 / 11210 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 11300 / 11300 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 11630 / 11630 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 5 |
| 11780 / 11780 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12260 / 12259 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 4 |
| 13040 / 13039 | DEF AT local marker foram increase | DEF AT 5 |
| 13460 / 13459 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 5 |
| 13940 / 13939 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 6 |
| 14000 / 13999 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 14180 / 14179 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 5 |
| 14690 / 14689 | DEF AT local marker benthic foram increase | DEF AT 5 |
| 15560 / 15559 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 10 | Date of Summary: 21-MAY-1982 | First Sample Examined: 9500 |
| Lease Number: G02892 | Source of Paleo: OPERATOR | Borehole MD: 15600 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15570 |
| API Well Number: 177094048500 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 37 |
| Paleo Report Num: 1 of 1 | Sample Range: 9500 - 15600 | Water Depth: 9 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9500 / 9495 | DEF AT first sample examined | DEF AT 3 |
| 9501 / 9496 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 9530 / 9525 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 10099 / 10094 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 10100 / 10095 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 10250 / 10245 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 10460 / 10455 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11420 / 11415 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 4 |
| 11750 / 11745 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 4 |
| 12110 / 12104 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 5 |
| 12530 / 12524 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 5 |
| 12920 / 12913 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 7 |
| 13489 / 13482 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 5 |
| 13490 / 13483 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 5 |
| 14140 / 14133 | DEF AT poor sample interval top | DEF AT 5 |
| 14899 / 14887 | DEF AT poor sample interval bottom | DEF AT 5 |
| 14900 / 14888 | DEF AT local marker benthic foram increase | DEF AT 5 |
| 15600 / 15570 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 10 | Date of Summary: 09-JUN-1981 | First Sample Examined: 9500 |
| Lease Number: G02892 | Source of Paleo: OPERATOR | Borehole MD: 15693 |
| Well Name: A002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15693 |
| API Well Number: 177094042200 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 40 |
| Paleo Report Num: 1 of 2 | Sample Range: 9500 - 11840 | Water Depth: 13 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 9500 / 9500 | DEF AT first sample examined | DEF AT 3 |
| 9501 / 9501 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 10040 / 10040 | DEF AT - - - - - | DEF AT 4 |
| 10129 / 10129 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 10130 / 10130 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 10250 / 10250 | DEF AT - - - - - | DEF AT 5 |
| 10370 / 10370 | DEF AT - - - - - | DEF AT 4 |
| 11690 / 11690 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 5 |
| 11840 / 11840 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 10 | Date of Summary: 09-JUN-1981 | First Sample Examined: 9530 |
| Lease Number: G02892 | Source of Paleo: OPERATOR | Borehole MD: 15693 |
| Well Name: A002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15693 |
| API Well Number: 177094042200 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 40 |
| Paleo Report Num: 2 of 2 | Sample Range: 9530 - 15710 | Water Depth: 13 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 9530 / 9530 | DEF AT first sample examined | DEF AT 3 |
| 9531 / 9531 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 10010 / 10010 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 10220 / 10220 | DEF AT - - - - - | DEF AT 5 |
| 10430 / 10430 | DEF AT - - - - - | DEF AT 4 |
| 11720 / 11720 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 5 |
| 11810 / 11810 | DEF AT - - - - - | DEF AT 4 |
| 12890 / 12890 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 6 |
| 13430 / 13430 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 5 |
| 14570 / 14570 | DEF AT Middle Miocene (Serravallian) Cibicides barnetti | DEF AT 5 |
| 15710 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: EI 19 | Date of Summary: 11-SEP-1997 | First Sample Examined: 10000 |
| Lease Number: G14459 | Source of Paleo: OPERATOR | Borehole MD: 16533 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16528 |
| API Well Number: 177094115100 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 29 |
| Paleo Report Num: 1 of 2 | Sample Range: 10000 - 12250 | Water Depth: 9 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report, company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10000 / 10000 | DEF AT first sample examined | DEF AT 2 |
| 10001 / 10001 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 10240 / 10240 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT 2 |
| 10510 / 10510 | DEF IN Upper Miocene (Tortonian) Discoaster bollii | DEF AT 2 |
| 11200 / 11200 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF IN 2 |
| 11560 / 11559 | POS IN Upper Miocene (Tortonian) Catinaster coalitus | DEF AT 3 |
| 11590 / 11589 | POS AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 3 |
| 12190 / 12189 | DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT 3 |
| 12250 / 12249 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: EI 19 | Date of Summary: 11-SEP-1997 | First Sample Examined: 12250 |
| Lease Number: G14459 | Source of Paleo: OPERATOR | Borehole MD: 16533 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16528 |
| API Well Number: 177094115100 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 29 |
| Paleo Report Num: 2 of 2 | Sample Range: 12250 - 16540 | Water Depth: 9 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Bypass well, company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 12250 / 12249 | DEF AT first sample examined | DEF AT 3 |
| 12251 / 12250 | POS IN Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 3 |
| 12280 / 12279 | DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT 3 |
| 14170 / 14166 | DEF IN Middle Miocene (Serravallian) Globorotalia foysi foysi | DEF IN 2 |
| 14350 / 14346 | DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus | DEF IN 3 |
| 14410 / 14405 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 4 |
| 14470 / 14465 | DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT 4 |
| 16540 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 23 | Date of Summary: 07-JUN-1994 | First Sample Examined: 0 |
| Lease Number: G09573 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16750 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 16750 |
| API Well Number: 177094094500 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 131 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 14 |
| Public Info Code: Y 13-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10530 / 10530 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 11670 / 11670 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 12150 / 12150 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 12870 / 12870 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 13590 / 13589 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 14190 / 14189 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 26 | Date of Summary: 22-NOV-1985 | First Sample Examined: 0 |
| Lease Number: G03147 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10395 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 10395 |
| API Well Number: 177094071400 | Drilling Operator: TEXACO INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 20 |
| Public Info Code: Y 23-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9740 / 9737 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 26 | Date of Summary: 03-JUL-1986 | First Sample Examined: 0 |
| Lease Number: G03147 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10230 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 10230 |
| API Well Number: 177094072900 | Drilling Operator: TEXACO INC | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 18 |
| Public Info Code: Y 02-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9250 / 9249 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT |
| 9760 / 9759 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 26 | Date of Summary: 10-JUN-1988 | First Sample Examined: 0 |
| Lease Number: G03147 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10185 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 10183 |
| API Well Number: 177094078200 | Drilling Operator: TEXACO INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 19 |
| Public Info Code: Y 02-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9300 / 9299 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT |
| 9805 / 9804 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 28 | Date of Summary: 01-FEB-1989 | First Sample Examined: 0 |
| Lease Number: G05479 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13783 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13776 |
| API Well Number: 177094066700 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 71 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 15 |
| Public Info Code: Y 01-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10649 / 10649 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 28 | Date of Summary: 05-JUN-1985 | First Sample Examined: 0 |
| Lease Number: G05479 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12300 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12298 |
| API Well Number: 177094069300 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 16 |
| Public Info Code: Y 18-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10636 / 10635 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 28 | Date of Summary: 07-NOV-1995 | First Sample Examined: 0 |
| Lease Number: G05479 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12100 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 12099 |
| API Well Number: 177094079500 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 18 |
| Public Info Code: Y 10-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|---------------|--|----------------|
| 8010 / 8009 | DEF AT - - - - - | DEF AT 3 |
| 9000 / 8999 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 9510 / 9509 | DEF AT - - - - - | DEF AT 4 |
| 9840 / 9839 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 10200 / 10199 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 10440 / 10439 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 11610 / 11609 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 33 | Date of Summary: 16-MAY-1986 | First Sample Examined: 0 |
| Lease Number: G03560 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11137 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11135 |
| API Well Number: 177094073000 | Drilling Operator: COCKRELL OIL CORPORATION | Rkb Elevation: 76 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 10 |
| Public Info Code: Y 16-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8170 / 8169 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 9160 / 9159 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 10090 / 10089 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 33 | Date of Summary: 07-OCT-1996 | First Sample Examined: 0 |
| Lease Number: G03560 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11498 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 11495 |
| API Well Number: 177094075800 | Drilling Operator: COCKRELL OIL CORPORATION | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 10 |
| Public Info Code: Y 19-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7610 / 7609 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 9613 / 9611 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 9855 / 9852 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 42 | Date of Summary: 25-MAY-1984 | First Sample Examined: 0 |
| Lease Number: G04858 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13881 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13878 |
| API Well Number: 177094051000 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 15 |
| Public Info Code: Y 24-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13650 / 13647 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 42 | Date of Summary: 12-APR-1984 | First Sample Examined: 0 |
| Lease Number: G04858 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15550 |
| Well Name: 006 | Paleo Done By: OPERATOR | Borehole TVD: 15550 |
| API Well Number: 177094061800 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 15 |
| Public Info Code: Y 08-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14240 / 14238 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: EI 43 | Date of Summary: 20-JUN-1978 | First Sample Examined: 7000 |
| Lease Number: G03561 | Source of Paleo: OPERATOR | Borehole MD: 15230 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15230 |
| API Well Number: 177094031800 | Drilling Operator: ASHLAND OIL INC | Rkb Elevation: 43 |
| Paleo Report Num: 1 of 2 | Sample Range: 7000 - 15260 | Water Depth: 20 |
| Public Info Code: Y 10-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7000 / 7000 | DEF AT first sample examined | DEF IN 2 |
| 8100 / 8100 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 9210 / 9210 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 9900 / 9900 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 3 |
| 11490 / 11490 | DEF AT sample gap top | POS AT 3 |
| 11850 / 11850 | DEF AT sample gap bottom | DEF AT 3 |
| 12060 / 12060 | DEF AT - - - - | DEF AT 4 |
| 12180 / 12180 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 12240 / 12240 | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 12300 / 12300 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 13140 / 13139 | DEF AT - - - - | DEF AT 5 |
| 15260 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 43 | Date of Summary: 18-AUG-1978 | First Sample Examined: 4510 |
| Lease Number: G03561 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 15230 |
| Well Name: 001 | Paleo Done By: JIM COOKE | Borehole TVD: 15230 |
| API Well Number: 177094031800 | Drilling Operator: ASHLAND OIL INC | Rkb Elevation: 43 |
| Paleo Report Num: 2 of 2 | Sample Range: 4510 - 15260 | Water Depth: 20 |
| Public Info Code: Y 10-APR-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4510 / 4510 | DEF AT first sample examined | POS AT 2 |
| 4511 / 4511 | DEF AT cement | POS AT 2 |
| 5020 / 5020 | DEF AT sample gap top | POS AT 2 |
| 5170 / 5170 | DEF AT sample gap bottom | POS AT 2 |
| 5920 / 5920 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 8100 / 8100 | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | POS AT 2 |
| 9240 / 9240 | POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 3 |
| 9330 / 9330 | DEF AT local marker foram decrease | DEF AT 3 |
| 9900 / 9900 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | POS AT 3 |
| 10890 / 10890 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 10950 / 10950 | DEF AT local marker foram decrease | DEF AT 3 |
| 11430 / 11430 | DEF AT Cyclammina cancellata (local marker) | DEF IN 3 |
| 12090 / 12090 | POS AT faunal change (no faunal increase) | POS AT 4 |
| 12180 / 12180 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | POS AT 4 |
| 12240 / 12240 | DEF AT Upper Miocene (Tortonian) Textularia "L" | POS AT 4 |
| 12300 / 12300 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | POS AT 4 |
| 13140 / 13139 | DEF AT local marker planktic foram increase | POS AT 5 |
| 13170 / 13169 | DEF AT Cyclammina cancellata (local marker) | DEF AT 5 |
| 13260 / 13259 | DEF IN Upper Miocene (Tortonian) Globorotalia siakensis | DEF AT 5 |
| 13380 / 13379 | DEF AT local marker foram decrease | DEF IN 4 |
| 13560 / 13559 | DEF AT local marker planktic foram increase | DEF AT 5 |
| 13890 / 13888 | DEF AT local marker foram decrease | POS IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 43 | Date of Summary: 18-AUG-1978 | First Sample Examined: 4510 |
| Lease Number: G03561 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 15230 |
| Well Name: 001 | Paleo Done By: JIM COOKE | Borehole TVD: 15230 |
| API Well Number: 177094031800 | Drilling Operator: ASHLAND OIL INC | Rkb Elevation: 43 |
| Paleo Report Num: 2 of 2 | Sample Range: 4510 - 15260 | Water Depth: 20 |
| Public Info Code: Y 10-APR-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 15260 / | DEF AT last sample examined | POS IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 43 | Date of Summary: 27-JAN-1995 | First Sample Examined: 0 |
| Lease Number: G03561 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13185 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 12735 |
| API Well Number: 177094103900 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 19 |
| Public Info Code: Y 10-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8203 / 8203 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10814 / 10662 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 12968 / 12556 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: EI 43 | Date of Summary: 02-OCT-1978 | First Sample Examined: 7510 |
| Lease Number: G03561 | Source of Paleo: OPERATOR | Borehole MD: 13916 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12753 |
| API Well Number: 177094031801 | Drilling Operator: ASHLAND OIL INC | Rkb Elevation: 43 |
| Paleo Report Num: 1 of 1 | Sample Range: 7510 - 13915 | Water Depth: 20 |
| Public Info Code: Y 10-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7510 / 7297 | DEF AT first sample examined | DEF IN 2 |
| 8230 / 7923 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 10720 / 10061 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 3 |
| 12370 / 11476 | DEF AT - - - - - | DEF AT 4 |
| 12730 / 11756 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 13280 / 12209 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 13915 / 12752 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 43 | Date of Summary: 19-JAN-1984 | First Sample Examined: 4850 |
| Lease Number: G03561 | Source of Paleo: OPERATOR | Borehole MD: 11887 |
| Well Name: B001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10625 |
| API Well Number: 177094061400 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 4850 - 11887 | Water Depth: 18 |
| Public Info Code: Y 10-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4850 / 4403 | DEF AT first sample examined | DEF IN 1 |
| 8810 / 7619 | DEF AT - - - - - | DEF AT 2 |
| 10130 / 8873 | DEF AT - - - - - | POS AT 3 |
| 10820 / 9559 | POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | POS AT 3 |
| 11660 / 10399 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | POS AT 3 |
| 11887 / 10626 | DEF AT last sample examined | POS AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 43 | Date of Summary: 20-FEB-1985 | First Sample Examined: 0 |
| Lease Number: G03561 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10905 |
| Well Name: C001 | Paleo Done By: OPERATOR | Borehole TVD: 10500 |
| API Well Number: 177094067900 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 19 |
| Public Info Code: Y 10-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8350 / 7948 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10450 / 10046 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 44 | Date of Summary: 23-MAR-1984 | First Sample Examined: 0 |
| Lease Number: G03990 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12377 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11321 |
| API Well Number: 177094059400 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 18 |
| Public Info Code: Y 12-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3770 / 3770 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 5770 / 5770 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7532 / 7425 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 8030 / 7832 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 9950 / 9398 | DEF AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT |
| 12210 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 44 | Date of Summary: 26-JUL-1984 | First Sample Examined: 0 |
| Lease Number: G03990 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13850 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 13784 |
| API Well Number: 177094064600 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 19 |
| Public Info Code: Y 07-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3650 / 3650 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 7900 / 7900 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 8405 / 8405 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 9440 / 9440 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 11190 / 11189 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 12090 / 12089 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 13290 / 13266 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: EI 44 | Date of Summary: 18-OCT-1996 | First Sample Examined: 0 |
| Lease Number: G03990 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13328 |
| Well Name: 006 | Paleo Done By: OPERATOR | Borehole TVD: 13320 |
| API Well Number: 177094110100 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 13 |
| Public Info Code: Y 20-MAR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7651 / 7646 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 8490 / 8485 | DEF IN Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |
| 9539 / 9534 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 9933 / 9928 | DEF IN Upper Miocene (Tortonian) Robulus 15 | DEF AT |
| 10650 / 10645 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 11040 / 11034 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 11910 / 11903 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 45 | Date of Summary: 22-JUL-1985 | First Sample Examined: 0 |
| Lease Number: G03991 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9500 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 9500 |
| API Well Number: 177094070000 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 22 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5090 / 5090 | POS IN Miocene | DEF AT |
| 7630 / 7630 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 45 | Date of Summary: 08-MAR-1984 | First Sample Examined: 0 |
| Lease Number: G03991 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10600 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 10350 |
| API Well Number: 177094062800 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 20 |
| Public Info Code: Y 04-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7370 / 7234 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 8318 / 8154 | DEF IN Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 45 | Date of Summary: 13-JAN-1995 | First Sample Examined: 0 |
| Lease Number: G03991 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13382 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 12000 |
| API Well Number: 177094103300 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 23 |
| Public Info Code: Y 28-FEB-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10529 / 9610 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 11834 / 10714 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 12930 / 11616 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 48 | Date of Summary: 12-NOV-1985 | First Sample Examined: 0 |
| Lease Number: G07727 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11150 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11150 |
| API Well Number: 177094070900 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 19 |
| Public Info Code: Y 14-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4500 / 4500 | DEF AT - - - - - | DEF AT 2 |
| 7650 / 7650 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 8460 / 8460 | DEF AT - - - - - | DEF AT 3 |
| 9210 / 9210 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 10230 / 10230 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 48 | Date of Summary: 06-NOV-1990 | First Sample Examined: 0 |
| Lease Number: G07727 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12060 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 10929 |
| API Well Number: 177094087000 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 23 |
| Public Info Code: Y 20-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|---------------|---|----------------|
| 3500 / 3500 | POS IN Pliocene | DEF AT |
| 7603 / 7342 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 9590 / 8955 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 11000 / 10092 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 11465 / 10456 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EI 48 | Date of Summary: 17-DEC-1992 | First Sample Examined: 11200 |
| Lease Number: G07727 | Source of Paleo: OPERATOR | Borehole MD: 13399 |
| Well Name: 005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13397 |
| API Well Number: 177094093600 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 11200 - 13390 | Water Depth: 23 |
| Public Info Code: Y 20-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11200 / 11199 | DEF AT first sample examined | DEF IN 3 |
| 11350 / 11349 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 11440 / 11439 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 11530 / 11529 | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 4 |
| 11620 / 11619 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 11710 / 11709 | DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme) | DEF AT 4 |
| 13000 / 12999 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 13270 / 13268 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 4 |
| 13390 / 13388 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 49 | Date of Summary: 14-DEC-1993 | First Sample Examined: 0 |
| Lease Number: G13618 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12602 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12602 |
| API Well Number: 177094097600 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 21 |
| Public Info Code: Y 28-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6760 / 6760 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 7930 / 7930 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10420 / 10420 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 11500 / 11499 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 12570 / 12569 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 53 | Date of Summary: 11-JAN-1984 | First Sample Examined: 0 |
| Lease Number: 00479 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15000 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 15000 |
| API Well Number: 177094060600 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 19 |
| Public Info Code: Y 05-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9180 / 9171 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10800 / 10791 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 12062 / 12052 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 14340 / 14327 | POS AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: EI 53 | Date of Summary: 29-APR-1999 | First Sample Examined: 0 |
| Lease Number: 00479 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14050 |
| Well Name: 006 | Paleo Done By: OPERATOR | Borehole TVD: 14047 |
| API Well Number: 177094071800 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 15 |
| Public Info Code: Y 28-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10470 / | DEF AT - - - - - | DEF AT 3 |
| 10860 / | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 11190 / | DEF AT - - - - - | DEF AT 4 |
| 11820 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 56 | Date of Summary: 09-MAY-1989 | First Sample Examined: 0 |
| Lease Number: G03780 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13686 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 13492 |
| API Well Number: 177094080300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 11 |
| Public Info Code: Y 31-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10146 / 10144 | DEF IN Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |
| 11806 / 11750 | DEF IN Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 12293 / 12195 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 59 | Date of Summary: 14-JUL-1995 | First Sample Examined: 0 |
| Lease Number: G11936 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14850 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14835 |
| API Well Number: 177094105800 | Drilling Operator: TANA OIL AND GAS CORPORATION | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 13 |
| Public Info Code: Y 31-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11600 / 11598 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 13000 / 12997 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 14000 / 13993 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|------------------------------|
| Area Block: EI 76 | Date of Summary: 08-OCT-1984 | First Sample Examined: 12920 |
| Lease Number: G04823 | Source of Paleo: OPERATOR | Borehole MD: 15553 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15525 |
| API Well Number: 177094065300 | Drilling Operator: HUNT OIL COMPANY | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 12920 - 15530 | Water Depth: 28 |
| Public Info Code: Y 14-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12920 / 12903 | DEF AT first sample examined | DEF IN 3 |
| 12921 / 12904 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 3 |
| 14390 / 14365 | POS AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 3 |
| 15530 / 15502 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|------------------------------|
| Area Block: EI 76 | Date of Summary: 19-SEP-1984 | First Sample Examined: 12800 |
| Lease Number: G04823 | Source of Paleo: OPERATOR | Borehole MD: 16991 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16981 |
| API Well Number: 177094066200 | Drilling Operator: HUNT OIL COMPANY | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 12800 - 16990 | Water Depth: 21 |
| Public Info Code: Y 15-OCT-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12800 / 12797 | DEF AT first sample examined | DEF IN 3 |
| 12801 / 12798 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 3 |
| 13160 / 13156 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF IN 3 |
| 14660 / 14654 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF IN 3 |
| 14960 / 14953 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 15020 / 15013 | DEF AT Eggerella 3 (local marker) | DEF AT 4 |
| 15650 / 15641 | POS IN Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 4 |
| 15740 / 15731 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 16990 / 16980 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 76 | Date of Summary: 05-APR-1990 | First Sample Examined: 1250 |
| Lease Number: G09364 | Source of Paleo: OPERATOR | Borehole MD: 1789 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 1789 |
| API Well Number: 177094083900 | Drilling Operator: PENNZOIL SULPHUR COMPANY | Rkb Elevation: 66 |
| Paleo Report Num: 1 of 1 | Sample Range: 1250 - 1575 | Water Depth: 23 |
| Public Info Code: Y 15-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: No diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 1250 / 1250 | DEF AT first sample examined | DEF AT |
| 1575 / 1575 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 79 | Date of Summary: 22-APR-1992 | First Sample Examined: 0 |
| Lease Number: G11941 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12925 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12526 |
| API Well Number: 177094090800 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 22 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9038 / 9022 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 79 | Date of Summary: 22-APR-1992 | First Sample Examined: 0 |
| Lease Number: G11941 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12925 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12526 |
| API Well Number: 177094090800 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 97 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 22 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9035 / 9019 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10195 / 10119 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 11615 / 11450 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 82 | Date of Summary: 01-MAR-1993 | First Sample Examined: 0 |
| Lease Number: G11944 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14746 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13649 |
| API Well Number: 177094094200 | Drilling Operator: TOTAL E&P USA INC | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 24 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5030 / 5030 | DEF AT - - - - - | DEF AT 2 |
| 9690 / 9592 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 10140 / 9960 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 10890 / 10570 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 11670 / 11194 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 2 |
| 13200 / 12398 | DEF AT Cyclammina sp. (local marker) | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 89 | Date of Summary: 26-JUN-1985 | First Sample Examined: 0 |
| Lease Number: 00044 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13270 |
| Well Name: 017 | Paleo Done By: OPERATOR | Borehole TVD: 13256 |
| API Well Number: 177094069700 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 18 |
| Public Info Code: Y 09-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9666 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 9927 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10407 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 10736 / | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT |
| 13204 / | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 94 | Date of Summary: 03-AUG-1984 | First Sample Examined: 0 |
| Lease Number: G05488 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13570 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12754 |
| API Well Number: 177094062600 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 129 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 34 |
| Public Info Code: Y 10-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9890 / 9739 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10810 / 10504 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 97 | Date of Summary: 01-DEC-1988 | First Sample Examined: 0 |
| Lease Number: G05489 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15880 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15870 |
| API Well Number: 177094068900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 134 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 29 |
| Public Info Code: Y 19-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12301 / 12300 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 13411 / 13410 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 14301 / 14300 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 15410 / 15406 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 107 | Date of Summary: 15-JAN-1982 | First Sample Examined: 0 |
| Lease Number: G03810 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12423 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12423 |
| API Well Number: 177094036200 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 30 |
| Public Info Code: Y 13-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 3870 / 3869 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 4560 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6930 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 9510 / | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 9511 / | POS AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 10680 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11190 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 12240 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: EI 107 | Date of Summary: 20-APR-1979 | First Sample Examined: 329 |
| Lease Number: G03810 | Source of Paleo: OPERATOR | Borehole MD: 11029 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11029 |
| API Well Number: 177094036300 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 1 | Sample Range: 329 - 11030 | Water Depth: 30 |
| Public Info Code: Y 13-NOV-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 329 / | DEF AT first sample examined | DEF AT 1 |
| 1360 / | DEF AT non-marine sediment | DEF AT 0 |
| 2200 / | DEF AT - - - - - | DEF AT 0 |
| 2770 / | DEF AT non-marine sediment | DEF AT 0 |
| 2920 / | DEF AT - - - - - | DEF AT 1 |
| 3490 / | DEF AT non-marine sediment | DEF AT 0 |
| 3790 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 1 |
| 4509 / | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 4510 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 4540 / | DEF AT - - - - - | DEF AT 1 |
| 7180 / | POS IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 8240 / | DEF AT Arenaceous fauna (local marker) | DEF AT 1 |
| 9230 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 1 |
| 9709 / | DEF AT Cyclammina sp. (local marker) | DEF AT 2 |
| 9710 / | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT 2 |
| 9830 / | DEF AT - - - - - | DEF AT 1 |
| 10460 / | DEF AT - - - - - | DEF AT 2 |
| 10490 / | DEF AT - - - - - | DEF AT 1 |
| 10910 / | DEF AT Eggerella sp. (local marker) | DEF AT 1 |
| 11030 / | DEF AT last sample examined | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 107 | Date of Summary: 15-JAN-1982 | First Sample Examined: 0 |
| Lease Number: G03810 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4805 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 4805 |
| API Well Number: 177094044100 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 31 |
| Public Info Code: Y 13-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3800 / 3800 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 4535 / 4535 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 107 | Date of Summary: 15-JAN-1982 | First Sample Examined: 0 |
| Lease Number: G03810 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5422 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 4808 |
| API Well Number: 177094044200 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 31 |
| Public Info Code: Y 13-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4200 / 3801 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5050 / 4511 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 108 | Date of Summary: 10-DEC-1984 | First Sample Examined: 9850 |
| Lease Number: G03811 | Source of Paleo: OPERATOR | Borehole MD: 15979 |
| Well Name: 007 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15979 |
| API Well Number: 177094066600 | Drilling Operator: HOMESTAKE SULPHUR COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 9850 - 15979 | Water Depth: 27 |
| Public Info Code: Y 21-DEC-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9850 / 9850 | DEF AT first sample examined | DEF AT 3 |
| 9851 / 9851 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 11170 / 11169 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 11500 / 11499 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 12370 / 12369 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 14920 / 14918 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 15979 / 15977 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EI 108 | Date of Summary: 12-JUN-1986 | First Sample Examined: 11990 |
| Lease Number: G03811 | Source of Paleo: OPERATOR | Borehole MD: 18508 |
| Well Name: 008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18493 |
| API Well Number: 177094072200 | Drilling Operator: HOMESTAKE SULPHUR COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 3 | Sample Range: 11990 - 15860 | Water Depth: 26 |
| Public Info Code: Y 03-JUL-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11990 / 11982 | DEF AT first sample examined | DEF AT 4 |
| 11991 / 11983 | DEF IN Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 4 |
| 12320 / 12312 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 15560 / 15551 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 15860 / 15850 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EI 108 | Date of Summary: 12-JUN-1986 | First Sample Examined: 15860 |
| Lease Number: G03811 | Source of Paleo: OPERATOR | Borehole MD: 18508 |
| Well Name: 008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18493 |
| API Well Number: 177094072200 | Drilling Operator: HOMESTAKE SULPHUR COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 2 of 3 | Sample Range: 15860 - 16640 | Water Depth: 26 |
| Public Info Code: Y 03-JUL-1996 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 1 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 15860 / 15850 | DEF AT first sample examined | DEF AT 4 |
| 16640 / 16628 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EI 108 | Date of Summary: 12-JUN-1986 | First Sample Examined: 16640 |
| Lease Number: G03811 | Source of Paleo: OPERATOR | Borehole MD: 18508 |
| Well Name: 008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18493 |
| API Well Number: 177094072200 | Drilling Operator: HOMESTAKE SULPHUR COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 3 of 3 | Sample Range: 16640 - 18500 | Water Depth: 26 |
| Public Info Code: Y 03-JUL-1996 | Ecozone Eq MMS: Y | Paleo ID: 004 |

Remark: Sidetrack 3 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 16640 / 16628 | DEF AT first sample examined | DEF AT 4 |
| 18320 / 18306 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT 4 |
| 18500 / 18485 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 110 | Date of Summary: 31-AUG-1999 | First Sample Examined: 0 |
| Lease Number: G10722 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16337 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 16000 |
| API Well Number: 177094099801 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 27 |
| Public Info Code: Y 28-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12066 / 11877 | DEF IN Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |
| 15303 / 14976 | DEF IN Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 15908 / 15575 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 110 | Date of Summary: 03-JUN-1994 | First Sample Examined: 0 |
| Lease Number: G10723 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14340 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13759 |
| API Well Number: 177094099800 | Drilling Operator: LOUISIANA LAND OFFSHORE EXPLOR | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 27 |
| Public Info Code: Y 28-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8808 / 8804 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10609 / 10592 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11069 / 11028 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 12051 / 11864 | DEF IN Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 128 | Date of Summary: 01-APR-1985 | First Sample Examined: 0 |
| Lease Number: 00053 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13780 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 13647 |
| API Well Number: 177094062900 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 02-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4365 / 4364 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 7244 / 7238 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10561 / 10453 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 12800 / 12673 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|-------------------------------------|
| Area Block: EI 128A | Date of Summary: 03-AUG-1984 | First Sample Examined: 11010 |
| Lease Number: 00442 | Source of Paleo: OPERATOR | Borehole MD: 13980 |
| Well Name: JC017 | Paleo Done By: OPERATOR | Borehole TVD: 13943 |
| API Well Number: 177094065800 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 11010 - 12540 | Water Depth: 57 |
| Public Info Code: Y 11-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11010 / 10999 | DEF AT first sample examined | DEF AT |
| 11310 / 11298 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 12540 / 12522 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: EI 134 | Date of Summary: 14-OCT-1994 | First Sample Examined: 0 |
| Lease Number: G14466 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7771 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7603 |
| API Well Number: 177094102900 | Drilling Operator: AQUILA ENERGY RESOURCES CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 70 |
| Public Info Code: Y 25-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2240 / 2240 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5215 / 5066 | POS IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 147 | Date of Summary: 21-JUN-1991 | First Sample Examined: 0 |
| Lease Number: G10727 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16500 |
| API Well Number: 177094089200 | Drilling Operator: NORCEN EXPLORER INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14300 / 14299 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 15800 / 15798 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 147 | Date of Summary: 13-DEC-1993 | First Sample Examined: 0 |
| Lease Number: G10727 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16030 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 14844 |
| API Well Number: 177094096800 | Drilling Operator: NORCEN EXPLORER INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 54 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10780 / 10778 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 13540 / 13376 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 14310 / 13836 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 15090 / 14278 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 148 | Date of Summary: 14-APR-1998 | First Sample Examined: 0 |
| Lease Number: G13620 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18183 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15988 |
| API Well Number: 177094117202 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 60 |
| Public Info Code: Y 24-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14175 / 13978 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 15450 / 14711 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 148 | Date of Summary: 05-MAR-2001 | First Sample Examined: 0 |
| Lease Number: G13620 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15977 |
| API Well Number: 177094117203 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 60 |
| Public Info Code: Y 24-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 10710 / 10707 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 14100 / 13924 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 15450 / 14711 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 17130 / 15503 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EI 158 | Date of Summary: 04-AUG-1969 | First Sample Examined: 9410 |
| Lease Number: G01220 | Source of Paleo: OPERATOR | Borehole MD: 11240 |
| Well Name: JB019 | Paleo Done By: OPERATOR | Borehole TVD: 10835 |
| API Well Number: 177092002101 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 2 | Sample Range: 9410 - 11580 | Water Depth: 81 |
| Public Info Code: Y 09-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9410 / 9096 | DEF AT first sample examined | DEF AT |
| 9560 / 9238 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 11580 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: EI 158 | Date of Summary: 16-FEB-1984 | First Sample Examined: 11240 |
| Lease Number: G01220 | Source of Paleo: OPERATOR | Borehole MD: 11240 |
| Well Name: JB019 | Paleo Done By: OPERATOR | Borehole TVD: 10835 |
| API Well Number: 177092002101 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 2 | Sample Range: 11240 - 11270 | Water Depth: 81 |
| Public Info Code: Y 09-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Only one sample examined, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 11240 / 10835 | DEF AT first sample examined | DEF AT |
| 11270 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 163 | Date of Summary: 14-APR-1994 | First Sample Examined: 0 |
| Lease Number: G10730 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12235 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 12233 |
| API Well Number: 177094086800 | Drilling Operator: FLASH GAS & OIL SOUTHWEST | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 61 |
| Public Info Code: Y 25-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11555 / 11553 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 164 | Date of Summary: 07-APR-1987 | First Sample Examined: 0 |
| Lease Number: G04864 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16089 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 14252 |
| API Well Number: 177094073901 | Drilling Operator: ELF AQUITAINE INC | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 60 |
| Public Info Code: Y 14-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9330 / 9320 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10800 / 10590 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 15180 / 13649 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 15660 / 13962 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 172 | Date of Summary: 24-FEB-1986 | First Sample Examined: 0 |
| Lease Number: G05494 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12980 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12676 |
| API Well Number: 177094072301 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 10-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6062 / 6060 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7633 / 7624 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 9169 / 9084 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 11009 / 10809 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 172 | Date of Summary: 20-NOV-1984 | First Sample Examined: 0 |
| Lease Number: G05494 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16785 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 15952 |
| API Well Number: 177094065500 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 79 |
| Public Info Code: Y 20-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 8920 / 8918 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10080 / 10078 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 13560 / 13287 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 14200 / 13819 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 172 | Date of Summary: 20-DEC-1985 | First Sample Examined: 0 |
| Lease Number: G05494 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14900 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 14345 |
| API Well Number: 177094070300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 79 |
| Public Info Code: Y 18-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6950 / 6948 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 8300 / 8297 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10200 / 10132 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 13250 / 12961 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 13800 / 13426 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 14800 / 14260 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|------------------------------------|
| Area Block: EI 176 | Date of Summary: 31-JUL-1970 | First Sample Examined: 9635 |
| Lease Number: 00445 | Source of Paleo: OPERATOR | Borehole MD: 13835 |
| Well Name: 008 | Paleo Done By: OPERATOR | Borehole TVD: 13309 |
| API Well Number: 177092011901 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 9635 - 11525 | Water Depth: 84 |
| Public Info Code: Y 10-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9635 / 9531 | DEF AT first sample examined | DEF AT |
| 10490 / 10281 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 11525 / 11196 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 177 | Date of Summary: 15-JAN-1992 | First Sample Examined: 0 |
| Lease Number: G11954 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13200 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13200 |
| API Well Number: 177094090300 | Drilling Operator: NEWFIELD EXPLORATION COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 87 |
| Public Info Code: Y 30-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12900 / 12899 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: EI 179 | Date of Summary: 08-MAY-1991 | First Sample Examined: 12520 |
| Lease Number: G08433 | Source of Paleo: OPERATOR | Borehole MD: 14550 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14540 |
| API Well Number: 177094088700 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 12520 - 14550 | Water Depth: 97 |
| Public Info Code: Y 14-MAY-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12520 / 12515 | DEF AT first sample examined | DEF IN 3 |
| 13870 / 13862 | DEF AT Upper Miocene (Messinian) Textularia "X" | POS AT 4 |
| 14550 / 14540 | DEF AT last sample examined | POS AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 184 | Date of Summary: 18-APR-1989 | First Sample Examined: 0 |
| Lease Number: G05498 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15905 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15578 |
| API Well Number: 177094077900 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 24-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12540 / 12523 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 15905 / 15578 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 184 | Date of Summary: 21-SEP-1989 | First Sample Examined: 4520 |
| Lease Number: G05498 | Source of Paleo: OPERATOR | Borehole MD: 16200 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16200 |
| API Well Number: 177094082000 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 3 | Sample Range: 4520 - 15260 | Water Depth: 88 |
| Public Info Code: Y 27-NOV-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report, foram species abundance and diversity chart available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4520 / 4520 | DEF AT first sample examined | DEF IN 2 |
| 5120 / 5120 | DEF AT foram flood | DEF AT 3 |
| 5210 / 5210 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 5420 / 5420 | DEF AT local marker foram decrease | DEF AT 2 |
| 5720 / 5720 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 6379 / 6379 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 6380 / 6380 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 2 |
| 6410 / 6410 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 10340 / 10338 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 2 |
| 10940 / 10938 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 2 |
| 11180 / 11178 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 11660 / 11658 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 11930 / 11928 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 12439 / 12436 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 12440 / 12437 | DEF AT local marker planktic foram increase | DEF AT 3 |
| 12620 / 12617 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 13880 / 13876 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF IN 3 |
| 14360 / 14356 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 14450 / 14446 | DEF AT Upper Miocene (Messinian) Bolivina denticulata | DEF AT 4 |
| 14930 / 14925 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 15110 / 15105 | DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme) | DEF AT 4 |
| 15136 / 15131 | DEF AT Bathysiphon fauna | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 184 | Date of Summary: 21-SEP-1989 | First Sample Examined: 4520 |
| Lease Number: G05498 | Source of Paleo: OPERATOR | Borehole MD: 16200 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16200 |
| API Well Number: 177094082000 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 3 | Sample Range: 4520 - 15260 | Water Depth: 88 |
| Public Info Code: Y 27-NOV-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 15137 / 15132 | DEF AT local marker planktic foram increase | DEF AT 5 |
| 15138 / 15133 | DEF AT Cyclammina cancellata (local marker) | DEF AT 5 |
| 15139 / 15134 | DEF AT Eggerella 3 (local marker) | DEF AT 5 |
| 15140 / 15135 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT 5 |
| 15260 / 15255 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 184 | Date of Summary: 21-SEP-1989 | First Sample Examined: 4520 |
| Lease Number: G05498 | Source of Paleo: OPERATOR | Borehole MD: 16200 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16200 |
| API Well Number: 177094082000 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 98 |
| Paleo Report Num: 2 of 3 | Sample Range: 4520 - 15260 | Water Depth: 88 |
| Public Info Code: Y 27-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark: Calcareous nannofossil report for original hole, nannospecies abundance and diversity charts available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4520 / 4520 | DEF AT first sample examined | DEF AT |
| 4880 / 4880 | DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum | DEF AT |
| 5150 / 5150 | DEF AT local marker floral increase | DEF AT |
| 5330 / 5330 | POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 5420 / 5420 | DEF AT local marker floral decrease | DEF AT |
| 5510 / 5510 | DEF AT local marker floral increase | DEF AT |
| 5600 / 5600 | DEF AT local marker floral decrease | DEF AT |
| 6410 / 6410 | DEF AT local marker floral increase | DEF AT |
| 6500 / 6500 | DEF AT local marker floral decrease | DEF AT |
| 6590 / 6590 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT |
| 8000 / 7999 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 10610 / 10608 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 12440 / 12437 | POS AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 15020 / 15015 | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 15260 / 15255 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EI 184 | Date of Summary: 26-OCT-1989 | First Sample Examined: 13590 |
| Lease Number: G05498 | Source of Paleo: OPERATOR | Borehole MD: 16200 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16200 |
| API Well Number: 177094082000 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 98 |
| Paleo Report Num: 3 of 3 | Sample Range: 13590 - 16200 | Water Depth: 88 |
| Public Info Code: Y 27-NOV-1999 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13590 / 13586 | DEF AT first sample examined | DEF AT 3 |
| 13591 / 13587 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 13799 / 13795 | DEF AT Cyclammina cancellata (local marker) | DEF AT 3 |
| 13800 / 13796 | POS AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 3 |
| 13890 / 13886 | DEF AT Upper Miocene (Messinian) Bolivina denticulata | DEF IN 3 |
| 14400 / 14396 | DEF AT local marker deep water fauna | DEF AT 4 |
| 14930 / 14925 | DEF AT foram flood | DEF AT 4 |
| 14960 / 14955 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 14990 / 14985 | DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme) | DEF IN 4 |
| 15200 / 15195 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT 5 |
| 15230 / 15225 | DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left) | DEF AT 5 |
| 15350 / 15344 | DEF AT Eggerella 3 (local marker) | DEF AT 5 |
| 15680 / 15674 | DEF AT Upper Miocene (Tortonian) Planulina renzi | DEF AT 5 |
| 15710 / 15704 | DEF AT foram flood | DEF AT 5 |
| 15740 / 15734 | DEF AT Eggerella 3 (local marker) | DEF AT 5 |
| 15890 / 15884 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 5 |
| 16200 / 16194 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EI 189 | Date of Summary: 05-APR-1984 | First Sample Examined: 9480 |
| Lease Number: 00423 | Source of Paleo: OPERATOR | Borehole MD: 10116 |
| Well Name: B016 | Paleo Done By: OPERATOR | Borehole TVD: 9389 |
| API Well Number: 177090075103 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 9480 - 10110 | Water Depth: 70 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9480 / 8816 | DEF AT first sample examined | DEF AT |
| 9900 / 9193 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10110 / 9383 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: EI 189 | Date of Summary: 28-SEP-1983 | First Sample Examined: 10200 |
| Lease Number: 00423 | Source of Paleo: OPERATOR | Borehole MD: 13660 |
| Well Name: B027 | Paleo Done By: OPERATOR | Borehole TVD: 13453 |
| API Well Number: 177094059001 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 10200 - 13425 | Water Depth: 70 |
| Public Info Code: Y 03-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10200 / 10088 | DEF AT first sample examined | DEF AT |
| 10201 / 10089 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 13425 / 13227 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EI 199 | Date of Summary: 05-JUL-1989 | First Sample Examined: 12200 |
| Lease Number: G05499 | Source of Paleo: OPERATOR | Borehole MD: 13252 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12698 |
| API Well Number: 177094080500 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 12200 - 13252 | Water Depth: 105 |
| Public Info Code: Y 29-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12200 / 11658 | DEF AT first sample examined | DEF IN 4 |
| 12260 / 11717 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF IN 4 |
| 13252 / 12698 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 208 | Date of Summary: 10-MAY-1984 | First Sample Examined: 4450 |
| Lease Number: 00576 | Source of Paleo: OPERATOR | Borehole MD: 16500 |
| Well Name: 012 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16016 |
| API Well Number: 177094063700 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 2 | Sample Range: 4450 - 16480 | Water Depth: 91 |
| Public Info Code: Y 04-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4450 / 4445 | DEF AT first sample examined | DEF IN 1 |
| 5050 / 5044 | DEF AT - - - - - | DEF AT 2 |
| 5350 / 5337 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 5470 / 5452 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 7210 / 7128 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 2 |
| 9160 / 9016 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 9490 / 9333 | DEF AT - - - - - | DEF AT 3 |
| 10120 / 9934 | DEF AT - - - - - | DEF AT 4 |
| 11890 / 11617 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |
| 11980 / 11702 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 12670 / 12352 | POS AT - - - - - | POS AT 5 |
| 15160 / 14728 | POS AT Upper Miocene (Tortonian) Discorbis 12 | POS AT 5 |
| 16480 / 15997 | DEF AT last sample examined | POS AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 208 | Date of Summary: 01-JUN-1984 | First Sample Examined: 4450 |
| Lease Number: 00576 | Source of Paleo: OPERATOR | Borehole MD: 16500 |
| Well Name: 012 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 16016 |
| API Well Number: 177094063700 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 108 |
| Paleo Report Num: 2 of 2 | Sample Range: 4450 - 16480 | Water Depth: 91 |
| Public Info Code: Y 04-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4450 / 4445 | DEF AT first sample examined | DEF AT 1 |
| 5440 / 5423 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 1 |
| 6100 / 6057 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 1 |
| 8800 / 8667 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 1 |
| 10120 / 9934 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 2 |
| 10690 / 10475 | DEF AT - - - - - | DEF AT 1 |
| 11289 / 11047 | DEF AT Cyclamina cancellata (local marker) | DEF AT 2 |
| 11290 / 11048 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 2 |
| 11410 / 11162 | DEF AT cement | POS AT 2 |
| 11650 / 11390 | DEF AT - - - - - | DEF AT 2 |
| 12189 / 11899 | DEF AT Cyclamina sp. (local marker) | DEF AT 3 |
| 12190 / 11899 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 3 |
| 12370 / 12069 | DEF AT - - - - - | DEF AT 2 |
| 12640 / 12324 | DEF AT Upper Miocene (Messinian) Bolivina denticulata | DEF AT 3 |
| 14020 / 13643 | DEF AT - - - - - | DEF AT 2 |
| 14800 / 14385 | POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 4 |
| 15370 / 14928 | DEF AT - - - - - | DEF AT 3 |
| 15550 / 15100 | POS IN Upper Miocene (Tortonian) Reophax davepopei | DEF AT 3 |
| 16210 / 15735 | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT 4 |
| 16480 / 15997 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 208 | Date of Summary: 18-JUL-1984 | First Sample Examined: 9520 |
| Lease Number: 00576 | Source of Paleo: OPERATOR | Borehole MD: 13967 |
| Well Name: 012 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13819 |
| API Well Number: 177094063701 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 2 | Sample Range: 9520 - 13840 | Water Depth: 91 |
| Public Info Code: Y 02-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 9520 / 9393 | DEF AT first sample examined | DEF AT 1 |
| 9940 / 9812 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 2 |
| 10120 / 9992 | DEF AT - - - - - | DEF AT 1 |
| 10870 / 10741 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 2 |
| 11050 / 10921 | DEF AT - - - - - | DEF AT 1 |
| 11350 / 11220 | DEF AT - - - - - | DEF AT 2 |
| 12670 / 12534 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 4 |
| 13059 / 12920 | DEF AT local marker deep water fauna | DEF AT 4 |
| 13090 / 12951 | DEF AT Upper Miocene (Tortonian) Reophax davepopei | DEF AT 4 |
| 13840 / 13694 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 208 | Date of Summary: 18-JUL-1984 | First Sample Examined: 9790 |
| Lease Number: 00576 | Source of Paleo: OPERATOR | Borehole MD: 13967 |
| Well Name: 012 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13819 |
| API Well Number: 177094063701 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 108 |
| Paleo Report Num: 2 of 2 | Sample Range: 9790 - 13930 | Water Depth: 91 |
| Public Info Code: Y 02-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9790 / 9662 | DEF AT first sample examined | DEF IN 3 |
| 9940 / 9812 | DEF AT - - - - - | DEF AT 4 |
| 10360 / 10232 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |
| 11140 / 11010 | POS AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 11590 / 11459 | POS AT - - - - - | DEF AT 5 |
| 13930 / 13783 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 208 | Date of Summary: 17-JUL-1984 | First Sample Examined: 7020 |
| Lease Number: 00576 | Source of Paleo: OPERATOR | Borehole MD: 9052 |
| Well Name: F006 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8173 |
| API Well Number: 177094065100 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 7020 - 9030 | Water Depth: 94 |
| Public Info Code: Y 14-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7020 / 6424 | DEF AT first sample examined | DEF AT 1 |
| 7890 / 7201 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 1 |
| 8460 / 7671 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 8970 / 8113 | DEF AT - - - - - | DEF AT 2 |
| 9030 / 8167 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 208 | Date of Summary: 04-JUN-1985 | First Sample Examined: 0 |
| Lease Number: 00576 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9808 |
| Well Name: I006 | Paleo Done By: OPERATOR | Borehole TVD: 9553 |
| API Well Number: 177094062300 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 91 |
| Public Info Code: Y 23-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 5380 / 5334 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5470 / 5419 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7810 / 7643 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9670 / 9421 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: EI 208 | Date of Summary: 25-MAY-1995 | First Sample Examined: 0 |
| Lease Number: 00577 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10486 |
| Well Name: H004 | Paleo Done By: OPERATOR | Borehole TVD: 10345 |
| API Well Number: 177094062700 | Drilling Operator: PIONEER NATURAL RESOURCES GPC INC | Rkb Elevation: 125 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 98 |
| Public Info Code: Y 01-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9000 / 8934 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 9860 / 9752 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 208 | Date of Summary: 24-JUN-1991 | First Sample Examined: 0 |
| Lease Number: 00577 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8548 |
| Well Name: J004 | Paleo Done By: OPERATOR | Borehole TVD: 6774 |
| API Well Number: 177094081300 | Drilling Operator: CONOCO INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 102 |
| Public Info Code: Y 17-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8150 / 6441 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 10200 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 212 | Date of Summary: 17-OCT-2000 | First Sample Examined: 0 |
| Lease Number: G05502 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13400 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 13250 |
| API Well Number: 177094071500 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 86 |
| Public Info Code: Y 23-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9918 / 9768 | DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT |
| 11638 / 11488 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: EI 212 | Date of Summary: 19-OCT-2000 | First Sample Examined: 0 |
| Lease Number: G05503 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15280 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 15279 |
| API Well Number: 177094063200 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 86 |
| Public Info Code: Y 28-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11287 / 11287 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: EI 212 | Date of Summary: 19-OCT-1999 | First Sample Examined: 0 |
| Lease Number: G05550 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13540 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 13285 |
| API Well Number: 177094078900 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 86 |
| Public Info Code: Y 28-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10020 / 9777 | DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT |
| 11766 / 11515 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 217 | Date of Summary: 08-SEP-1993 | First Sample Examined: 9500 |
| Lease Number: G13623 | Source of Paleo: OPERATOR | Borehole MD: 16543 |
| Well Name: C003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15286 |
| API Well Number: 177094095601 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 2 | Sample Range: 9500 - 16460 | Water Depth: 117 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9500 / 9267 | DEF AT first sample examined | DEF AT 2 |
| 9501 / 9268 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 2 |
| 11120 / 10728 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 2 |
| 12170 / 11616 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 12890 / 12207 | POS AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 3 |
| 14000 / 13136 | POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 3 |
| 14060 / 13186 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 3 |
| 14450 / 13515 | DEF AT Arenaceous fauna (local marker) | DEF AT 3 |
| 14600 / 13642 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 14660 / 13693 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 14810 / 13820 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 14960 / 13947 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |
| 15680 / 14558 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 15740 / 14608 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 16100 / 14911 | DEF AT Upper Miocene (Messinian) Bolivina denticulata | DEF AT 4 |
| 16190 / 14987 | POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme) | DEF AT 4 |
| 16340 / 15114 | DEF AT Upper Miocene (Tortonian) Planulina renzi | DEF AT 4 |
| 16460 / 15216 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 217 | Date of Summary: 08-SEP-1993 | First Sample Examined: 9500 |
| Lease Number: G13623 | Source of Paleo: OPERATOR | Borehole MD: 16543 |
| Well Name: C003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15286 |
| API Well Number: 177094095601 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 110 |
| Paleo Report Num: 2 of 2 | Sample Range: 9500 - 16460 | Water Depth: 117 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9500 / 9267 | DEF AT first sample examined | DEF AT |
| 9501 / 9268 | POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 16460 / 15216 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 218 | Date of Summary: 25-APR-1985 | First Sample Examined: 0 |
| Lease Number: 00807 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9440 |
| Well Name: 007 | Paleo Done By: OPERATOR | Borehole TVD: 8843 |
| API Well Number: 177094056100 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 114 |
| Public Info Code: Y 15-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4960 / 4826 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 5500 / 5342 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 6280 / 6080 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 224 | Date of Summary: 29-NOV-1989 | First Sample Examined: 5480 |
| Lease Number: G05504 | Source of Paleo: OPERATOR | Borehole MD: 13000 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 13000 |
| API Well Number: 177094074000 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 5480 - 13000 | Water Depth: 140 |
| Public Info Code: Y 06-FEB-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5480 / 5480 | DEF AT first sample examined | DEF IN 1 |
| 6380 / 6379 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 1 |
| 6950 / 6949 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 1 |
| 10150 / 10149 | DEF AT ----- | DEF IN 2 |
| 10420 / 10419 | DEF AT ----- | DEF IN 1 |
| 11470 / 11469 | DEF AT ----- | DEF AT 3 |
| 11590 / 11589 | DEF AT ----- | DEF IN 1 |
| 11860 / 11859 | DEF AT ----- | DEF IN 3 |
| 12410 / 12409 | DEF AT ----- | DEF AT 4 |
| 13000 / 12999 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 224 | Date of Summary: 24-JUN-1996 | First Sample Examined: 0 |
| Lease Number: G05504 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13185 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 12542 |
| API Well Number: 177094082500 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 138 |
| Public Info Code: Y 08-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9760 / 9150 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 11680 / 11057 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: EI 229 | Date of Summary: 14-FEB-1990 | First Sample Examined: 9860 |
| Lease Number: G05505 | Source of Paleo: OPERATOR | Borehole MD: 15093 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 14587 |
| API Well Number: 177094082100 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 9860 - 15090 | Water Depth: 121 |
| Public Info Code: Y 01-OCT-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9860 / 9737 | DEF AT first sample examined | DEF AT 2 |
| 11480 / 11221 | DEF AT - - - - - | DEF AT 3 |
| 11900 / 11604 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 14480 / 14009 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 14900 / 14405 | DEF AT - - - - - | DEF AT 3 |
| 15000 / 14499 | DEF AT - - - - - | DEF AT 4 |
| 15090 / 14584 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 229 | Date of Summary: 18-DEC-1990 | First Sample Examined: 0 |
| Lease Number: G05505 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13674 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 13667 |
| API Well Number: 177094078600 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 123 |
| Public Info Code: Y 07-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6110 / 6110 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6470 / 6470 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 7820 / 7820 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 9500 / 9500 | DEF AT local marker foram increase | DEF AT |
| 10430 / 10429 | DEF AT local marker foram increase | DEF AT |
| 11390 / 11389 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12120 / 12118 | DEF IN Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri | DEF AT |
| 12260 / 12258 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 12680 / 12678 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994
 End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: EI 248 | Date of Summary: 14-SEP-1987 | First Sample Examined: 0 |
| Lease Number: G02898 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10480 |
| Well Name: C003 | Paleo Done By: OPERATOR | Borehole TVD: 9017 |
| API Well Number: 177094074800 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 125 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 155 |
| Public Info Code: Y 23-SEP-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5760 / 5174 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7808 / 6827 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 248 | Date of Summary: 01-OCT-1984 | First Sample Examined: 5790 |
| Lease Number: G05506 | Source of Paleo: OPERATOR | Borehole MD: 14324 |
| Well Name: 005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13542 |
| API Well Number: 177094066000 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 5790 - 14310 | Water Depth: 155 |
| Public Info Code: Y 24-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5790 / 5790 | DEF AT first sample examined | DEF AT 2 |
| 5791 / 5791 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 7320 / 7320 | DEF AT - - - - - | DEF AT 3 |
| 7560 / 7560 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 8520 / 8519 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 3 |
| 9480 / 9479 | DEF AT - - - - - | DEF AT 4 |
| 12810 / 12311 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 12900 / 12384 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 14250 / 13483 | DEF AT - - - - - | DEF AT 5 |
| 14310 / 13531 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 248 | Date of Summary: 29-NOV-1983 | First Sample Examined: 4500 |
| Lease Number: G05506 | Source of Paleo: OPERATOR | Borehole MD: 10146 |
| Well Name: C001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10145 |
| API Well Number: 177094060900 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 10146 | Water Depth: 155 |
| Public Info Code: Y 24-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4500 / 4500 | DEF AT first sample examined | DEF IN 2 |
| 4980 / 4980 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 2 |
| 5310 / 5310 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 2 |
| 6630 / 6630 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 2 |
| 6720 / 6720 | DEF AT - - - - - | DEF AT 3 |
| 10146 / 10145 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 248 | Date of Summary: 15-DEC-1983 | First Sample Examined: 4290 |
| Lease Number: G05506 | Source of Paleo: OPERATOR | Borehole MD: 10501 |
| Well Name: C002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10013 |
| API Well Number: 177094061500 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 4290 - 10500 | Water Depth: 155 |
| Public Info Code: Y 24-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4290 / 4088 | DEF AT first sample examined | DEF IN 2 |
| 5610 / 5317 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 2 |
| 7320 / 6919 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 2 |
| 7530 / 7121 | DEF AT - - - - - | DEF AT 3 |
| 10500 / 10012 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 253 | Date of Summary: 04-DEC-1989 | First Sample Examined: 1030 |
| Lease Number: G10741 | Source of Paleo: OPERATOR | Borehole MD: 9677 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9666 |
| API Well Number: 177094083300 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 2 | Sample Range: 1030 - 9670 | Water Depth: 142 |
| Public Info Code: Y 24-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 1030 / 1030 | DEF AT first sample examined | DEF IN 2 |
| 1180 / 1180 | DEF AT - - - - - | DEF AT 3 |
| 3250 / 3250 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 3460 / 3460 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 4720 / 4720 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5140 / 5139 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 3 |
| 5380 / 5379 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 5410 / 5409 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 5530 / 5529 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 3 |
| 5620 / 5619 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 5770 / 5769 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 3 |
| 7359 / 7353 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 7360 / 7354 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 3 |
| 9670 / 9659 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 253 | Date of Summary: 04-DEC-1989 | First Sample Examined: 1030 |
| Lease Number: G10741 | Source of Paleo: OPERATOR | Borehole MD: 9677 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9666 |
| API Well Number: 177094083300 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 2 of 2 | Sample Range: 1030 - 9670 | Water Depth: 142 |
| Public Info Code: Y 24-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 1030 / 1030 | DEF AT first sample examined | DEF AT |
| 1390 / 1390 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 3280 / 3280 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 3820 / 3820 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 5380 / 5379 | POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 5650 / 5649 | POS AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 6460 / 6457 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 6640 / 6635 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 9670 / 9659 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 265 | Date of Summary: 10-JUL-1992 | First Sample Examined: 4500 |
| Lease Number: G06720 | Source of Paleo: OPERATOR | Borehole MD: 11500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11500 |
| API Well Number: 177094069200 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 11460 | Water Depth: 174 |
| Public Info Code: Y 08-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 4500 / | DEF AT first sample examined | DEF AT |
| 5040 / | DEF AT Upper Pliocene (Gelasian) Globorotalia exilis | DEF AT |
| 5339 / | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 5340 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 6090 / | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 6270 / | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT |
| 6478 / | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 6479 / | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT |
| 6480 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 6690 / | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 6720 / | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT |
| 7440 / | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 7770 / | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 8790 / | DEF AT Cyclammina cancellata (local marker) | DEF AT |
| 9090 / | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 10230 / | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 10980 / | DEF AT Cyclammina cancellata (local marker) | DEF AT |
| 11010 / | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 11460 / | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 265 | Date of Summary: 07-AUG-1991 | First Sample Examined: 0 |
| Lease Number: G06720 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9000 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9000 |
| API Well Number: 177094080900 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 177 |
| Public Info Code: Y 08-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5180 / 5180 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6520 / 6520 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7510 / 7510 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7511 / 7511 | POS AT local marker foram increase | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 265 | Date of Summary: 29-JUL-1991 | First Sample Examined: 0 |
| Lease Number: G06720 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8780 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 8400 |
| API Well Number: 177094081600 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 174 |
| Public Info Code: Y 08-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5580 / 5449 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6690 / 6463 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8220 / 7898 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EI 270 | Date of Summary: 04-APR-1990 | First Sample Examined: 4029 |
| Lease Number: G10743 | Source of Paleo: OPERATOR | Borehole MD: 10470 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9591 |
| API Well Number: 177104130700 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 66 |
| Paleo Report Num: 1 of 1 | Sample Range: 4029 - 10460 | Water Depth: 187 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4029 / 4029 | DEF AT first sample examined | DEF AT 2 |
| 5541 / 5541 | DEF AT - - - - - | DEF AT 3 |
| 5797 / 5797 | POS AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 3 |
| 5993 / 5993 | DEF AT - - - - - | DEF AT 2 |
| 7529 / 7483 | DEF IN Upper Pliocene (Gelasian) Globorotalia exilis | DEF AT 5 |
| 7530 / 7484 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7531 / 7485 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 5 |
| 8133 / 8023 | DEF AT - - - - - | DEF AT 4 |
| 8405 / 8254 | POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 4 |
| 8406 / 8255 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 8977 / 8708 | DEF AT sample gap top | POS AT 4 |
| 8990 / 8717 | DEF AT sample gap bottom | DEF AT 5 |
| 9139 / 8828 | DEF AT Eggerella 3 (local marker) | DEF AT 5 |
| 9140 / 8829 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 5 |
| 9440 / 9056 | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 9529 / 9124 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 9530 / 9125 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 5 |
| 10460 / 9833 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 275 | Date of Summary: 26-OCT-1984 | First Sample Examined: 0 |
| Lease Number: G00988 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12250 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 11914 |
| API Well Number: 177104107100 | Drilling Operator: TEXACO INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 173 |
| Public Info Code: Y 22-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8910 / 8730 | DEF AT Cyclamina sp. (local marker) | DEF AT |
| 9670 / 9452 | DEF AT Arenaceous fauna (local marker) | DEF AT |
| 10380 / 10131 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT |
| 10755 / 10491 | POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 12170 / 11830 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 277 | Date of Summary: 21-SEP-1990 | First Sample Examined: 0 |
| Lease Number: G10744 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10220 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10220 |
| API Well Number: 177104129400 | Drilling Operator: SANDEFER OFFSHORE PRODUCTION | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 165 |
| Public Info Code: Y 27-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6420 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7268 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7750 / | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 278 | Date of Summary: 14-JUN-1982 | First Sample Examined: 1200 |
| Lease Number: G03996 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 12000 |
| Well Name: F001 | Paleo Done By: ANTON FRIEDMANN | Borehole TVD: 12000 |
| API Well Number: 177104090200 | Drilling Operator: CANADIANOXY OFFSHORE PRODUCTIO | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 1200 - 11980 | Water Depth: 172 |
| Public Info Code: Y 03-MAY-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1200 / 1200 | DEF AT first sample examined | DEF AT 2 |
| 1380 / 1380 | DEF AT local marker planktic foram increase | DEF IN 2 |
| 1470 / 1470 | DEF AT local marker foram decrease | DEF AT 2 |
| 1740 / 1740 | DEF AT local marker planktic foram increase | DEF IN 2 |
| 1830 / 1830 | DEF AT local marker benthic foram increase | DEF IN 2 |
| 1920 / 1920 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 2460 / 2460 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 2640 / 2640 | DEF AT local marker foram decrease | DEF AT 2 |
| 3180 / 3180 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 3360 / 3360 | DEF AT local marker foram decrease | DEF AT 2 |
| 3630 / 3630 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 4260 / 4260 | DEF AT sample gap top | POS AT 2 |
| 5370 / 5370 | DEF AT sample gap bottom | DEF AT 2 |
| 5850 / 5850 | POS IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5910 / 5910 | POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 5970 / 5970 | DEF AT local marker planktic foram increase | DEF AT 3 |
| 6390 / 6390 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT 3 |
| 6420 / 6420 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 6480 / 6480 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6510 / 6510 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 6540 / 6540 | DEF AT local marker planktic foram increase | DEF AT 3 |
| 6600 / 6600 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 278 | Date of Summary: 14-JUN-1982 | First Sample Examined: 1200 |
| Lease Number: G03996 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 12000 |
| Well Name: F001 | Paleo Done By: ANTON FRIEDMANN | Borehole TVD: 12000 |
| API Well Number: 177104090200 | Drilling Operator: CANADIANOXY OFFSHORE PRODUCTIO | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 1200 - 11980 | Water Depth: 172 |
| Public Info Code: Y 03-MAY-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7110 / 7110 | POS AT local marker benthic foram increase | DEF AT 3 |
| 7140 / 7140 | POS AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L" | DEF AT 3 |
| 7230 / 7230 | DEF AT local marker planktic foram increase | DEF AT 3 |
| 7350 / 7350 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 3 |
| 7680 / 7680 | POS AT local marker benthic foram increase | DEF AT 3 |
| 7770 / 7770 | DEF AT local marker foram decrease | DEF AT 3 |
| 7920 / 7920 | DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus | DEF AT 3 |
| 7980 / 7980 | DEF IN Upper Pliocene (Piacenzian) Cibicides grossperforatus | DEF AT 3 |
| 8040 / 8040 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 3 |
| 8490 / 8490 | DEF AT local marker foram decrease | DEF AT 3 |
| 9090 / 9090 | DEF AT local marker planktic foram increase | DEF AT 4 |
| 9420 / 9420 | POS AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 4 |
| 9630 / 9630 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 10230 / 10229 | DEF AT local marker foram increase | DEF AT 4 |
| 10590 / 10589 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 10650 / 10649 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 4 |
| 10890 / 10889 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 10950 / 10949 | DEF AT local marker foram decrease | DEF AT 4 |
| 11230 / 11229 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 3 |
| 11440 / 11439 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 3 |
| 11950 / 11949 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF IN 3 |
| 11980 / 11979 | DEF AT last sample examined | DEF IN 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 286 | Date of Summary: 10-JUL-1987 | First Sample Examined: 0 |
| Lease Number: G00993 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10691 |
| Well Name: I001 | Paleo Done By: OPERATOR | Borehole TVD: 8493 |
| API Well Number: 177104110300 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 203 |
| Public Info Code: Y 10-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3460 / 3445 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7840 / 6524 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 9100 / 7377 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10270 / 8191 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: EI 289 | Date of Summary: 01-MAR-1993 | First Sample Examined: 960 |
| Lease Number: G12924 | Source of Paleo: OPERATOR | Borehole MD: 9483 |
| Well Name: 001 | Paleo Done By: PALEO SOURCE | Borehole TVD: 9083 |
| API Well Number: 177104135700 | Drilling Operator: SENECA RESOURCES CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 960 - 9480 | Water Depth: 193 |
| Public Info Code: Y 31-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 960 / 960 | DEF AT first sample examined | POS AT 2 |
| 1260 / 1260 | DEF AT condensed section | DEF AT 2 |
| 4560 / 4560 | DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 2 |
| 5970 / 5970 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 7020 / 6997 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 7860 / 7735 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 8250 / 8061 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 3 |
| 9030 / 8707 | DEF AT Arenaceous fauna (local marker) | DEF IN 3 |
| 9430 / 9039 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: EI 298 | Date of Summary: 18-AUG-1986 | First Sample Examined: 5000 |
| Lease Number: G05199 | Source of Paleo: OPERATOR | Borehole MD: 14003 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14003 |
| API Well Number: 177104108900 | Drilling Operator: TEXACO INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 13970 | Water Depth: 211 |
| Public Info Code: Y 29-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 5000 / | DEF AT first sample examined | DEF AT 2 |
| 5060 / | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 2 |
| 5150 / | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisca (acme "B") | DEF AT 3 |
| 5240 / | DEF AT - - - - - | DEF AT 2 |
| 5720 / | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 2 |
| 5770 / | DEF AT - - - - - | DEF AT 3 |
| 5960 / | DEF AT - - - - - | DEF AT 2 |
| 7110 / | DEF AT local marker foram increase | DEF AT 3 |
| 7200 / | DEF AT - - - - - | DEF AT 2 |
| 7920 / | DEF AT - - - - - | DEF AT 1 |
| 8580 / | DEF AT - - - - - | DEF AT 2 |
| 8640 / | DEF AT - - - - - | DEF AT 1 |
| 8699 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 8700 / | DEF AT Upper Pliocene (Gelasian) Bolivina imperata / "P" | DEF AT 3 |
| 8790 / | DEF AT - - - - - | DEF AT 1 |
| 8850 / | DEF AT - - - - - | DEF AT 2 |
| 8910 / | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatus | DEF AT 3 |
| 9000 / | DEF AT - - - - - | DEF AT 2 |
| 9350 / | DEF AT - - - - - | DEF AT 3 |
| 9440 / | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 3 |
| 9800 / | DEF AT local marker foram increase | DEF AT 3 |
| 9920 / | DEF AT Cyclammina cancellata (local marker) | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: EI 298 | Date of Summary: 18-AUG-1986 | First Sample Examined: 5000 |
| Lease Number: G05199 | Source of Paleo: OPERATOR | Borehole MD: 14003 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14003 |
| API Well Number: 177104108900 | Drilling Operator: TEXACO INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 13970 | Water Depth: 211 |
| Public Info Code: Y 29-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 10010 / | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 3 |
| 10280 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 10370 / | DEF AT local marker foram increase | DEF AT 3 |
| 10460 / | DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus | DEF AT 3 |
| 11059 / | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT 3 |
| 11060 / | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 3 |
| 12050 / | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 3 |
| 12210 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 13460 / | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 3 |
| 13849 / | DEF AT Eggerella 3 (local marker) | DEF AT 3 |
| 13850 / | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 3 |
| 13970 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 298 | Date of Summary: 27-SEP-1990 | First Sample Examined: 8000 |
| Lease Number: G05199 | Source of Paleo: OPERATOR | Borehole MD: 10823 |
| Well Name: A009 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10156 |
| API Well Number: 177104132400 | Drilling Operator: CENTURY OFFSHORE MANAGEMENT | Rkb Elevation: 138 |
| Paleo Report Num: 1 of 1 | Sample Range: 8000 - 10800 | Water Depth: 212 |
| Public Info Code: Y 29-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8000 / 7588 | DEF AT first sample examined | DEF AT 3 |
| 8001 / 7589 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 9230 / 8676 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 9469 / 8895 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9470 / 8896 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 4 |
| 10800 / 10135 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 300 | Date of Summary: 06-MAY-1983 | First Sample Examined: 0 |
| Lease Number: G03571 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7413 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 5560 |
| API Well Number: 177104096900 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 200 |
| Public Info Code: Y 03-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3000 / 2633 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6050 / 4676 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 304 | Date of Summary: 28-SEP-1990 | First Sample Examined: 4100 |
| Lease Number: G10747 | Source of Paleo: OPERATOR | Borehole MD: 12500 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12494 |
| API Well Number: 177104130400 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 2 | Sample Range: 4100 - 12500 | Water Depth: 220 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4100 / 4100 | DEF AT first sample examined | POS AT 3 |
| 4101 / 4101 | DEF IN cement | POS AT 3 |
| 4430 / 4430 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 6620 / 6620 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 9050 / 9049 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 10790 / 10787 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 11150 / 11147 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12500 / 12494 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 304 | Date of Summary: 28-SEP-1990 | First Sample Examined: 4100 |
| Lease Number: G10747 | Source of Paleo: OPERATOR | Borehole MD: 12500 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12494 |
| API Well Number: 177104130400 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 2 of 2 | Sample Range: 4100 - 12500 | Water Depth: 220 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4100 / 4100 | DEF AT first sample examined | DEF AT |
| 5840 / 5840 | POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima | DEF AT |
| 6650 / 6650 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 9350 / 9349 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 10880 / 10877 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 11150 / 11147 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 12500 / 12494 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 304 | Date of Summary: 07-MAY-1999 | First Sample Examined: 0 |
| Lease Number: G17992 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12554 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12539 |
| API Well Number: 177104150000 | Drilling Operator: CAIRN ENERGY USA INC | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 222 |
| Public Info Code: Y 15-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10120 / 10119 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 12070 / 12056 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 308 | Date of Summary: 10-APR-1984 | First Sample Examined: 2100 |
| Lease Number: G00996 | Source of Paleo: OPERATOR | Borehole MD: 10180 |
| Well Name: 007 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8076 |
| API Well Number: 177104107200 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 2100 - 10180 | Water Depth: 224 |
| Public Info Code: Y 19-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 2100 / 2099 | DEF AT first sample examined | DEF AT 3 |
| 2190 / 2189 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 2880 / 2864 | DEF AT - - - - - | DEF AT 2 |
| 3420 / 3324 | DEF AT - - - - - | DEF AT 3 |
| 3635 / 3480 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 4080 / 3789 | DEF AT - - - - - | DEF AT 2 |
| 5064 / 4459 | DEF AT - - - - - | DEF AT 3 |
| 5094 / 4479 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 3 |
| 5155 / 4519 | DEF AT - - - - - | DEF AT 2 |
| 7340 / 5978 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7860 / 6343 | DEF AT - - - - - | DEF AT 2 |
| 8820 / 7039 | DEF AT - - - - - | DEF AT 4 |
| 9000 / 7172 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9460 / 7521 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 4 |
| 10180 / 8076 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 308 | Date of Summary: 03-JAN-1984 | First Sample Examined: 2200 |
| Lease Number: G00996 | Source of Paleo: OPERATOR | Borehole MD: 7600 |
| Well Name: A001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7600 |
| API Well Number: 177104105200 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 2200 - 7600 | Water Depth: 224 |
| Public Info Code: Y 12-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 2200 / 2200 | DEF AT first sample examined | DEF AT 3 |
| 2260 / 2260 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 2740 / 2740 | DEF AT - - - - - | DEF AT 2 |
| 3440 / 3440 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 3530 / 3530 | DEF AT - - - - - | DEF AT 2 |
| 3830 / 3830 | DEF AT sample gap top | POS AT 2 |
| 4310 / 4310 | DEF AT sample gap bottom | DEF AT 2 |
| 4370 / 4370 | DEF AT - - - - - | DEF AT 3 |
| 4430 / 4430 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 3 |
| 4990 / 4990 | DEF AT - - - - - | DEF AT 2 |
| 5980 / 5980 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6340 / 6340 | DEF AT - - - - - | DEF AT 2 |
| 7030 / 7030 | DEF AT - - - - - | DEF AT 4 |
| 7059 / 7059 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 7060 / 7060 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 7270 / 7270 | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT 4 |
| 7468 / 7468 | DEF AT - - - - - | DEF AT 3 |
| 7600 / 7600 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 308 | Date of Summary: 23-FEB-1984 | First Sample Examined: 2985 |
| Lease Number: G00996 | Source of Paleo: OPERATOR | Borehole MD: 9120 |
| Well Name: A003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8000 |
| API Well Number: 177104106100 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 2985 - 9080 | Water Depth: 223 |
| Public Info Code: Y 19-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 2985 / 2800 | DEF AT first sample examined | DEF AT 2 |
| 2986 / 2801 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 3645 / 3330 | DEF AT - - - - - | DEF AT 3 |
| 3769 / 3432 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 4300 / 3869 | DEF AT - - - - - | DEF AT 2 |
| 4960 / 4409 | DEF AT - - - - - | DEF AT 3 |
| 4990 / 4434 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 3 |
| 5470 / 4830 | DEF AT - - - - - | DEF AT 2 |
| 6304 / 5529 | DEF AT - - - - - | DEF AT 3 |
| 6800 / 5950 | DEF AT - - - - - | DEF AT 2 |
| 7650 / 6691 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 8033 / 7029 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 4 |
| 8410 / 7365 | DEF AT - - - - - | DEF AT 3 |
| 9080 / 7965 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 308 | Date of Summary: 02-MAR-1984 | First Sample Examined: 2800 |
| Lease Number: G01982 | Source of Paleo: OPERATOR | Borehole MD: 9593 |
| Well Name: A002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8229 |
| API Well Number: 177104105900 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 2800 - 9590 | Water Depth: 223 |
| Public Info Code: Y 05-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2800 / 2671 | DEF AT first sample examined | DEF AT 1 |
| 2801 / 2671 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 1 |
| 3870 / 3487 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 1 |
| 5130 / 4460 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 1 |
| 6930 / 5933 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 1 |
| 7919 / 6776 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 1 |
| 7920 / 6777 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 1 |
| 8279 / 7086 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 2 |
| 8280 / 7087 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 8730 / 7477 | DEF AT - - - - - | DEF AT 1 |
| 9590 / 8227 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 308 | Date of Summary: 15-MAR-1984 | First Sample Examined: 3047 |
| Lease Number: G01982 | Source of Paleo: OPERATOR | Borehole MD: 10927 |
| Well Name: A004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8141 |
| API Well Number: 177104106700 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 3047 - 10920 | Water Depth: 224 |
| Public Info Code: Y 04-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 3047 / 2620 | DEF AT first sample examined | DEF AT 1 |
| 4210 / 3398 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 1 |
| 6190 / 4720 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 1 |
| 8080 / 5994 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 1 |
| 9169 / 6776 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 2 |
| 9170 / 6776 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 2 |
| 9350 / 6913 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 2 |
| 9800 / 7259 | DEF AT - - - - | DEF AT 1 |
| 10920 / 8135 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 315 | Date of Summary: 02-AUG-1984 | First Sample Examined: 0 |
| Lease Number: G02912 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12670 |
| Well Name: A015 | Paleo Done By: OPERATOR | Borehole TVD: 9285 |
| API Well Number: 177104108000 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 240 |
| Public Info Code: Y 17-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|---------|
| 2395 / 2336 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4478 / 3587 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 6616 / 4900 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 6743 / 4980 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8228 / 5947 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8974 / 6431 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 10326 / 7380 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 10327 / 7381 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 316 | Date of Summary: 19-MAR-1991 | First Sample Examined: 0 |
| Lease Number: G05040 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9284 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 8600 |
| API Well Number: 177104106400 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 238 |
| Public Info Code: Y 24-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4000 / 3868 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6410 / 6007 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7272 / 6776 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 7870 / 7315 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 316 | Date of Summary: 21-MAR-1985 | First Sample Examined: 0 |
| Lease Number: G05040 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9879 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 9000 |
| API Well Number: 177104111300 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 238 |
| Public Info Code: Y 20-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4980 / 4924 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5130 / 5055 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7190 / 6776 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 8030 / 7472 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: EI 316 | Date of Summary: 20-JUN-1985 | First Sample Examined: 0 |
| Lease Number: G05040 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9390 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 6700 |
| API Well Number: 177104112900 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 238 |
| Public Info Code: Y 08-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6980 / 5184 | DEF AT - - - - - | DEF AT 3 |
| 8120 / 5889 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 8960 / 6418 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 9020 / 6455 | DEF AT - - - - - | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 316 | Date of Summary: 16-DEC-1985 | First Sample Examined: 7030 |
| Lease Number: G05040 | Source of Paleo: OPERATOR | Borehole MD: 9078 |
| Well Name: A008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7700 |
| API Well Number: 177104117300 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 7030 - 9078 | Water Depth: 238 |
| Public Info Code: Y 12-JAN-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7030 / 6228 | DEF AT first sample examined | POS IN 3 |
| 7400 / 6492 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | POS IN 3 |
| 7730 / 6730 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | POS IN 3 |
| 8900 / 7568 | DEF AT - - - - - | DEF AT 4 |
| 9078 / 7694 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 317 | Date of Summary: 18-AUG-1993 | First Sample Examined: 0 |
| Lease Number: G13625 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12093 |
| API Well Number: 177104135500 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 233 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4010 / 4010 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5540 / 5540 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 7730 / 7729 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9270 / 9268 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 10350 / 10347 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 323 | Date of Summary: 25-SEP-1990 | First Sample Examined: 1250 |
| Lease Number: G10749 | Source of Paleo: OPERATOR | Borehole MD: 8703 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6000 |
| API Well Number: 177104132500 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 2 | Sample Range: 1250 - 8703 | Water Depth: 263 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 1250 / 1250 | DEF AT first sample examined | DEF IN 2 |
| 1820 / 1819 | DEF AT sample gap top | POS IN 2 |
| 2359 / 2347 | DEF AT sample gap bottom | DEF IN 3 |
| 2360 / 2348 | DEF IN local marker benthic foram increase | DEF IN 3 |
| 2540 / 2514 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 4250 / 3625 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF IN 3 |
| 5930 / 4548 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 3 |
| 5990 / 4582 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 6350 / 4780 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 4 |
| 6620 / 4924 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 8060 / 5668 | DEF AT local marker benthic foram increase | DEF AT 4 |
| 8180 / 5731 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 8270 / 5779 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 8703 / 6007 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 323 | Date of Summary: 25-SEP-1990 | First Sample Examined: 1230 |
| Lease Number: G10749 | Source of Paleo: OPERATOR | Borehole MD: 8703 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6000 |
| API Well Number: 177104132500 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 98 |
| Paleo Report Num: 2 of 2 | Sample Range: 1230 - 8703 | Water Depth: 263 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 1230 / 1230 | DEF AT first sample examined | DEF AT |
| 1800 / 1799 | DEF AT sample gap top | DEF AT |
| 2359 / 2347 | DEF AT sample gap bottom | DEF AT |
| 2360 / 2348 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 5870 / 4515 | POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 6320 / 4764 | POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 8120 / 5700 | POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 8703 / 6007 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 325 | Date of Summary: 23-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G05517 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6100 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 6099 |
| API Well Number: 177104123600 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 256 |
| Public Info Code: Y 17-JAN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 2450 / 2450 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 2810 / 2810 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3800 / 3800 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT |
| 3920 / 3920 | DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis | DEF AT |
| 4580 / 4580 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 5570 / 5570 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 325 | Date of Summary: 12-NOV-1990 | First Sample Examined: 0 |
| Lease Number: G05517 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5789 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 4835 |
| API Well Number: 177104125000 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 255 |
| Public Info Code: Y 16-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2550 / 2033 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 3710 / 2854 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 325 | Date of Summary: 03-OCT-1990 | First Sample Examined: 0 |
| Lease Number: G05517 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8452 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 6459 |
| API Well Number: 177104125500 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 255 |
| Public Info Code: Y 11-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2510 / 2115 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 3740 / 2912 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 330 | Date of Summary: 20-FEB-1986 | First Sample Examined: 7450 |
| Lease Number: G02115 | Source of Paleo: OPERATOR | Borehole MD: 8950 |
| Well Name: D003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6145 |
| API Well Number: 177104117800 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 7450 - 8950 | Water Depth: 247 |
| Public Info Code: Y 01-MAR-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7450 / 5366 | DEF AT first sample examined | DEF IN 3 |
| 7600 / 5444 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | POS AT 4 |
| 7780 / 5545 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | POS AT 4 |
| 7840 / 5581 | POS AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 8950 / 6145 | DEF AT last sample examined | POS AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 330 | Date of Summary: 20-FEB-1986 | First Sample Examined: 6500 |
| Lease Number: G02115 | Source of Paleo: OPERATOR | Borehole MD: 7383 |
| Well Name: D003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 5986 |
| API Well Number: 177104117801 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 6500 - 7383 | Water Depth: 247 |
| Public Info Code: Y 11-MAR-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6500 / 5155 | DEF AT first sample examined | DEF IN 3 |
| 6800 / 5437 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 7383 / 5985 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 330 | Date of Summary: 31-MAR-1986 | First Sample Examined: 4900 |
| Lease Number: G02115 | Source of Paleo: OPERATOR | Borehole MD: 8529 |
| Well Name: D005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8103 |
| API Well Number: 177104118700 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 4900 - 8530 | Water Depth: 247 |
| Public Info Code: Y 20-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4900 / 4722 | DEF AT first sample examined | DEF IN 3 |
| 5230 / 4993 | POS IN Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 6250 / 5864 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 3 |
| 6550 / 6149 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 3 |
| 6968 / 6559 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF IN 3 |
| 6969 / 6560 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 3 |
| 6970 / 6561 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF IN 3 |
| 7390 / 6976 | DEF AT local marker deep water fauna | DEF AT 4 |
| 7990 / 7568 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 5 |
| 8200 / 7776 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 8230 / 7806 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 8530 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 330 | Date of Summary: 06-MAY-1986 | First Sample Examined: 6000 |
| Lease Number: G02115 | Source of Paleo: OPERATOR | Borehole MD: 8826 |
| Well Name: D006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7200 |
| API Well Number: 177104119100 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 8826 | Water Depth: 247 |
| Public Info Code: Y 03-JUN-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6000 / 5033 | DEF AT first sample examined | DEF IN 3 |
| 6060 / 5075 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 3 |
| 6120 / 5118 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF IN 3 |
| 6420 / 5328 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 3 |
| 6690 / 5518 | DEF AT pyrite | DEF IN 3 |
| 7110 / 5815 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 7650 / 6235 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 3 |
| 8699 / 7091 | POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 4 |
| 8700 / 7091 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 8826 / 7200 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 333 | Date of Summary: 28-OCT-1988 | First Sample Examined: 8010 |
| Lease Number: G02317 | Source of Paleo: OPERATOR | Borehole MD: 10650 |
| Well Name: A020 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10353 |
| API Well Number: 177104126600 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 8010 - 10490 | Water Depth: 239 |
| Public Info Code: Y 12-NOV-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8010 / 7880 | DEF AT first sample examined | DEF IN 3 |
| 9711 / 9491 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 3 |
| 9740 / 9518 | DEF AT - - - - | DEF AT 4 |
| 10310 / 10044 | DEF AT drilling material | DEF AT |
| 10490 / 10208 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 334 | Date of Summary: 02-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G05521 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9300 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 9164 |
| API Well Number: 177104112101 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 265 |
| Public Info Code: Y 20-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5200 / 5200 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 8800 / 8686 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EI 336 | Date of Summary: 07-MAY-1985 | First Sample Examined: 1050 |
| Lease Number: G05521 | Source of Paleo: OPERATOR | Borehole MD: 9600 |
| Well Name: 005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8238 |
| API Well Number: 177104113200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 1050 - 9600 | Water Depth: 265 |
| Public Info Code: Y 20-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1050 / 1050 | DEF AT first sample examined | DEF IN 2 |
| 1590 / 1590 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 2780 / 2780 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6270 / 5825 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 9600 / 8238 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EI 336 | Date of Summary: 20-NOV-1984 | First Sample Examined: 4525 |
| Lease Number: G05521 | Source of Paleo: OPERATOR | Borehole MD: 15303 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15299 |
| API Well Number: 177104109200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 4525 - 15290 | Water Depth: 260 |
| Public Info Code: Y 20-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4525 / 4525 | DEF AT first sample examined | DEF IN 4 |
| 4526 / 4526 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 4 |
| 5870 / 5870 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 4 |
| 9020 / 9019 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 4 |
| 10070 / 10069 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 4 |
| 11210 / 11208 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 4 |
| 11840 / 11838 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 4 |
| 14810 / 14806 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 15290 / 15286 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: EI 336 | Date of Summary: 28-DEC-1984 | First Sample Examined: 10005 |
| Lease Number: G05521 | Source of Paleo: OPERATOR | Borehole MD: 15173 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13885 |
| API Well Number: 177104109201 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 10005 - 15150 | Water Depth: 250 |
| Public Info Code: Y 20-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10005 / 10004 | DEF AT first sample examined | DEF IN 4 |
| 10260 / 10257 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 4 |
| 10740 / 10712 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 4 |
| 14460 / 13389 | POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 15150 / 13869 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EI 336 | Date of Summary: 25-JAN-1985 | First Sample Examined: 5430 |
| Lease Number: G05521 | Source of Paleo: OPERATOR | Borehole MD: 11478 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8873 |
| API Well Number: 177104110700 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 5430 - 11478 | Water Depth: 250 |
| Public Info Code: Y 20-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5430 / 4520 | DEF AT first sample examined | DEF IN 4 |
| 6510 / 5289 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 4 |
| 11250 / 8708 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 4 |
| 11478 / 8873 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 336 | Date of Summary: 08-APR-1985 | First Sample Examined: 0 |
| Lease Number: G05521 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9600 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 8903 |
| API Well Number: 177104111500 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 265 |
| Public Info Code: Y 20-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5600 / 5311 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7275 / 6819 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 337 | Date of Summary: 06-NOV-1984 | First Sample Examined: 0 |
| Lease Number: G03332 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15487 |
| Well Name: A008 | Paleo Done By: OPERATOR | Borehole TVD: 13048 |
| API Well Number: 177104104900 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 265 |
| Public Info Code: Y 03-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5200 / 4604 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 12490 / 10598 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 15040 / 12675 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 349 | Date of Summary: 29-JUN-1989 | First Sample Examined: 5600 |
| Lease Number: G02322 | Source of Paleo: OPERATOR | Borehole MD: 13077 |
| Well Name: A036 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13000 |
| API Well Number: 177104128400 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 5600 - 13077 | Water Depth: 296 |
| Public Info Code: Y 16-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5600 / 5593 | DEF AT first sample examined | DEF AT 3 |
| 5601 / 5594 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 7579 / 7540 | DEF AT local marker deep water fauna | DEF AT 4 |
| 7580 / 7541 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 7609 / 7568 | DEF AT pyrite | DEF AT 4 |
| 7610 / 7569 | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 7700 / 7654 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 12050 / 11973 | POS AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 4 |
| 13077 / 13000 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: EI 353 | Date of Summary: 31-JAN-1989 | First Sample Examined: 1370 |
| Lease Number: G03783 | Source of Paleo: OPERATOR | Borehole MD: 7039 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6906 |
| API Well Number: 177104093800 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 1370 - 7040 | Water Depth: 286 |
| Public Info Code: Y 21-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1370 / 1370 | DEF AT first sample examined | DEF AT 3 |
| 2100 / 2066 | DEF AT - - - - - | DEF AT 2 |
| 2300 / 2245 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 4190 / 4059 | DEF AT - - - - - | DEF AT 4 |
| 4310 / 4179 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 5600 / 5468 | DEF AT - - - - - | DEF AT 3 |
| 6320 / 6188 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6400 / 6268 | DEF AT - - - - - | DEF AT 4 |
| 7040 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: EI 354 | Date of Summary: 09-OCT-1989 | First Sample Examined: 5100 |
| Lease Number: G10752 | Source of Paleo: OPERATOR | Borehole MD: 9517 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9517 |
| API Well Number: 177104129200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 5100 - 9517 | Water Depth: 285 |
| Public Info Code: Y 25-SEP-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5100 / 5100 | DEF AT first sample examined | POS IN 3 |
| 5400 / 5400 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 3 |
| 6240 / 6240 | DEF AT - - - - - | DEF AT 4 |
| 7110 / 7110 | DEF AT - - - - - | DEF AT 4 |
| 7830 / 7830 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 3 |
| 8820 / 8820 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9517 / 9517 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 356 | Date of Summary: 21-NOV-1997 | First Sample Examined: 0 |
| Lease Number: G13627 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9410 |
| API Well Number: 177104146700 | Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 288 |
| Public Info Code: Y 01-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2600 / 2600 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4560 / 4560 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 8640 / 8638 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 363 | Date of Summary: 03-AUG-1992 | First Sample Examined: 3050 |
| Lease Number: G08699 | Source of Paleo: OPERATOR | Borehole MD: 6900 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6900 |
| API Well Number: 177104134500 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 3050 - 6900 | Water Depth: 367 |
| Public Info Code: Y 28-FEB-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3050 / 3050 | DEF AT first sample examined | DEF AT 2 |
| 3500 / 3500 | DEF AT - - - - - | DEF AT 3 |
| 3980 / 3980 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 5360 / 5360 | DEF AT - - - - - | POS AT 4 |
| 5570 / 5570 | DEF AT - - - - - | DEF AT 3 |
| 6900 / 6900 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 363 | Date of Summary: 03-AUG-1992 | First Sample Examined: 3050 |
| Lease Number: G08699 | Source of Paleo: OPERATOR | Borehole MD: 6900 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6900 |
| API Well Number: 177104134500 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 3050 - 6900 | Water Depth: 367 |
| Public Info Code: Y 28-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3050 / 3050 | DEF AT first sample examined | DEF AT |
| 3980 / 3980 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 5360 / 5360 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 6900 / 6900 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EI 364 | Date of Summary: 18-AUG-1993 | First Sample Examined: 4640 |
| Lease Number: G09600 | Source of Paleo: OPERATOR | Borehole MD: 16328 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9099 |
| API Well Number: 177104136300 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 4 | Sample Range: 4640 - 14680 | Water Depth: 367 |
| Public Info Code: Y 14-APR-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report, foram species abundance and diversity chart available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4640 / 3563 | DEF AT first sample examined | DEF AT 3 |
| 4780 / 3622 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 11950 / 6762 | DEF AT local marker deep water fauna | DEF AT 4 |
| 13330 / 7359 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 14109 / 7680 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 4 |
| 14110 / 7680 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 4 |
| 14140 / 7693 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 14470 / 7836 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 14680 / 7950 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|------------------------------------|
| Area Block: EI 364 | Date of Summary: 18-AUG-1993 | First Sample Examined: 4640 |
| Lease Number: G09600 | Source of Paleo: OPERATOR | Borehole MD: 16328 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9099 |
| API Well Number: 177104136300 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 4 | Sample Range: 4640 - 14680 | Water Depth: 367 |
| Public Info Code: Y 14-APR-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4640 / 3563 | DEF AT first sample examined | DEF AT |
| 4900 / 3672 | POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 7780 / 4943 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 13330 / 7359 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 14109 / 7680 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 14110 / 7680 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 14680 / 7950 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EI 364 | Date of Summary: 12-OCT-1993 | First Sample Examined: 11590 |
| Lease Number: G09600 | Source of Paleo: OPERATOR | Borehole MD: 16328 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9099 |
| API Well Number: 177104136300 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 91 |
| Paleo Report Num: 3 of 4 | Sample Range: 11590 - 16330 | Water Depth: 367 |
| Public Info Code: Y 14-APR-1997 | Ecozone Eq MMS: Y | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11590 / 6607 | DEF AT first sample examined | DEF IN 3 |
| 11591 / 6607 | DEF IN cement | DEF IN 3 |
| 11950 / 6762 | DEF AT local marker deep water fauna | DEF AT 4 |
| 14170 / 7705 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 16330 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EI 364 | Date of Summary: 12-OCT-1993 | First Sample Examined: 11590 |
| Lease Number: G09600 | Source of Paleo: OPERATOR | Borehole MD: 16328 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9099 |
| API Well Number: 177104136300 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 91 |
| Paleo Report Num: 4 of 4 | Sample Range: 11590 - 16330 | Water Depth: 367 |
| Public Info Code: Y 14-APR-1997 | Ecozone Eq MMS: | Paleo ID: 004 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11590 / 6607 | DEF AT first sample examined | DEF AT |
| 11591 / 6607 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 13390 / 7384 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 14199 / 7716 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 14200 / 7717 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 16328 / 9099 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 371 | Date of Summary: 17-OCT-1984 | First Sample Examined: 1520 |
| Lease Number: G05525 | Source of Paleo: OPERATOR | Borehole MD: 7692 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7692 |
| API Well Number: 177104108800 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 1520 - 7692 | Water Depth: 408 |
| Public Info Code: Y 09-NOV-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 1520 / 1520 | DEF AT first sample examined | POS AT 3 |
| 1521 / 1521 | DEF IN cement | POS AT 3 |
| 1760 / 1760 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 3 |
| 2120 / 2120 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 2420 / 2420 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 4100 / 4100 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4730 / 4730 | DEF AT pyrite | DEF AT 3 |
| 5090 / 5090 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 5390 / 5390 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 6020 / 6020 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 6290 / 6289 | DEF AT drilling material | DEF AT 4 |
| 7692 / 7690 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 371 | Date of Summary: 23-MAR-1988 | First Sample Examined: 0 |
| Lease Number: G05525 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12867 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 10951 |
| API Well Number: 177104123800 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 128 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 420 |
| Public Info Code: Y 21-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2130 / 2130 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 3390 / 3320 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7350 / 6299 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 371 | Date of Summary: 18-NOV-1991 | First Sample Examined: 0 |
| Lease Number: G05525 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11119 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 8803 |
| API Well Number: 177104124400 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 129 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 420 |
| Public Info Code: Y 19-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2260 / 2225 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 3340 / 3043 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 10270 / 8074 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 10960 / 8661 | DEF AT salt | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 384 | Date of Summary: 20-DEC-1988 | First Sample Examined: 1587 |
| Lease Number: G03159 | Source of Paleo: OPERATOR | Borehole MD: 10024 |
| Well Name: 004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9122 |
| API Well Number: 177104127500 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 2 | Sample Range: 1587 - 10024 | Water Depth: 453 |
| Public Info Code: Y 14-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1587 / 1587 | DEF AT first sample examined | DEF IN 3 |
| 2260 / 2260 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF IN 3 |
| 4510 / 4386 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 5500 / 5250 | DEF AT - - - - - | DEF AT 4 |
| 7900 / 7319 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 8350 / 7701 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 10024 / 9122 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EI 384 | Date of Summary: 20-DEC-1988 | First Sample Examined: 1587 |
| Lease Number: G03159 | Source of Paleo: OPERATOR | Borehole MD: 10024 |
| Well Name: 004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9122 |
| API Well Number: 177104127500 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 2 | Sample Range: 1587 - 10024 | Water Depth: 453 |
| Public Info Code: Y 14-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1587 / 1587 | DEF AT first sample examined | DEF AT |
| 2350 / 2350 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 4780 / 4622 | POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 8080 / 7472 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 8440 / 7778 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 10024 / 9122 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EI 392 | Date of Summary: 19-MAY-1995 | First Sample Examined: 0 |
| Lease Number: G11972 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 2807 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 2448 |
| API Well Number: 177104140500 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 325 |
| Public Info Code: Y 31-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1950 / 1863 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: EI 395 | Date of Summary: 07-MAY-1997 | First Sample Examined: 0 |
| Lease Number: G14489 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13617 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11999 |
| API Well Number: 177104145500 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 550 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5120 / 4619 | DEF AT ----- | DEF AT 3 |
| 6170 / 5422 | DEF AT ----- | DEF AT 4 |
| 6230 / 5468 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 6620 / 5770 | DEF AT ----- | DEF AT 3 |
| 8420 / 7225 | DEF AT ----- | DEF AT 4 |
| 10280 / 8847 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 12080 / 10516 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 13250 / 11640 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: EW 702 | Date of Summary: 23-JAN-1991 | First Sample Examined: 0 |
| Lease Number: G12129 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 3000 |
| API Well Number: 608105002700 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 575 |
| Public Info Code: Y 31-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2450 / 2450 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 825 | Date of Summary: 27-MAR-1988 | First Sample Examined: 6400 |
| Lease Number: G05799 | Source of Paleo: OPERATOR | Borehole MD: 15820 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15585 |
| API Well Number: 608104006200 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 15820 | Water Depth: 495 |
| Public Info Code: Y 25-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 6400 / 6400 | DEF AT first sample examined | DEF AT 4 |
| 8160 / 8160 | DEF AT - - - - - | DEF IN 4 |
| 9210 / 9210 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 4 |
| 9300 / 9300 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 4 |
| 10140 / 10140 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 4 |
| 11350 / 11349 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 4 |
| 15040 / 14883 | POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF IN 4 |
| 15820 / 15589 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 826 | Date of Summary: 02-AUG-1985 | First Sample Examined: 1640 |
| Lease Number: G05800 | Source of Paleo: OPERATOR | Borehole MD: 11290 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11289 |
| API Well Number: 608104003400 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 1640 - 11290 | Water Depth: 495 |
| Public Info Code: Y 13-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1640 / 1640 | DEF AT first sample examined | DEF AT |
| 2300 / 2300 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 7340 / 7340 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 8870 / 8870 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 11290 / 11289 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 826 | Date of Summary: 19-JUL-1985 | First Sample Examined: 9830 |
| Lease Number: G05800 | Source of Paleo: OPERATOR | Borehole MD: 14677 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13769 |
| API Well Number: 608104003401 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 9830 - 14630 | Water Depth: 502 |
| Public Info Code: Y 15-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 9380 / 9380 | DEF AT first sample examined | DEF AT |
| 11750 / 11427 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 12320 / 11880 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 14120 / 13289 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 14600 / 13687 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 14630 / 13711 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EW 826 | Date of Summary: 30-DEC-1985 | First Sample Examined: 0 |
| Lease Number: G05800 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10260 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10260 |
| API Well Number: 608104004000 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 470 |
| Public Info Code: Y 16-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 2750 / 2750 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 7390 / 7390 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 8980 / 8979 | POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase) | DEF AT |
| 10060 / 10059 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 10120 / 10119 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 10180 / 10179 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 10210 / 10209 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EW 826 | Date of Summary: 30-DEC-1985 | First Sample Examined: 0 |
| Lease Number: G05800 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11970 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11405 |
| API Well Number: 608104004001 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 488 |
| Public Info Code: Y 09-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9070 / 9034 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 11890 / 11339 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 11920 / 11364 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 11950 / 11389 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EW 826 | Date of Summary: 04-APR-1986 | First Sample Examined: 0 |
| Lease Number: G05800 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13777 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 13563 |
| API Well Number: 608104004101 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 555 |
| Public Info Code: Y 27-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11350 / 11314 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 13210 / 13052 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 13720 / 13513 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 829 | Date of Summary: 09-APR-1996 | First Sample Examined: 4150 |
| Lease Number: G12043 | Source of Paleo: OPERATOR | Borehole MD: 15210 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14230 |
| API Well Number: 608105005500 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 4150 - 15210 | Water Depth: 520 |
| Public Info Code: Y 14-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4150 / 4150 | DEF AT first sample examined | DEF AT 4 |
| 4210 / 4209 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 4360 / 4359 | DEF AT sample gap top | POS AT 4 |
| 4450 / 4449 | DEF AT sample gap bottom | DEF AT 4 |
| 5500 / 5499 | DEF AT - - - - - | DEF AT 5 |
| 6310 / 6309 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 7300 / 7299 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 7510 / 7509 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 5 |
| 7690 / 7689 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 7750 / 7749 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 9160 / 9159 | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 5 |
| 9910 / 9908 | DEF AT - - - - - | DEF AT 6 |
| 10000 / 9998 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 10390 / 10388 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 6 |
| 10930 / 10922 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 12910 / 12547 | POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 6 |
| 14285 / 13522 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 6 |
| 14620 / 13774 | DEF AT salt | DEF AT 6 |
| 15210 / 14211 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 829 | Date of Summary: 09-APR-1996 | First Sample Examined: 4150 |
| Lease Number: G12043 | Source of Paleo: OPERATOR | Borehole MD: 15210 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14230 |
| API Well Number: 608105005500 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 4150 - 15210 | Water Depth: 520 |
| Public Info Code: Y 14-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 4150 / 4150 | DEF AT first sample examined | DEF AT |
| 4151 / 4151 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 5500 / 5499 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 6310 / 6309 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 7300 / 7299 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7510 / 7509 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7570 / 7569 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 7630 / 7629 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 7690 / 7689 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 7780 / 7779 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 7900 / 7899 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 8440 / 8439 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 9940 / 9938 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 10060 / 10058 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 10420 / 10418 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 10930 / 10922 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 11590 / 11519 | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 12040 / 11895 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 13540 / 12984 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 13600 / 13026 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 13990 / 13303 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 14050 / 13347 | POS AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 829 | Date of Summary: 09-APR-1996 | First Sample Examined: 4150 |
| Lease Number: G12043 | Source of Paleo: OPERATOR | Borehole MD: 15210 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14230 |
| API Well Number: 608105005500 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 4150 - 15210 | Water Depth: 520 |
| Public Info Code: Y 14-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14230 / 13480 | DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus | DEF AT |
| 14285 / 13522 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT |
| 14320 / 13548 | DEF AT salt | DEF AT |
| 15210 / 14211 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: EW 829 | Date of Summary: 09-APR-1996 | First Sample Examined: 10540 |
| Lease Number: G12043 | Source of Paleo: OPERATOR | Borehole MD: 18735 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18200 |
| API Well Number: 608105005501 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 10540 - 18735 | Water Depth: 520 |
| Public Info Code: Y 14-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10540 / 10538 | DEF AT first sample examined | DEF AT 6 |
| 10660 / 10658 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 10930 / 10927 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 13450 / 13365 | POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 6 |
| 15070 / 14815 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 6 |
| 16960 / 16527 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 6 |
| 17470 / 17005 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 6 |
| 17500 / 17034 | POS AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 6 |
| 17680 / 17204 | DEF AT sample gap top | DEF AT 6 |
| 18734 / 18198 | DEF AT sample gap bottom | DEF AT 6 |
| 18735 / 18199 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: EW 829 | Date of Summary: 09-APR-1996 | First Sample Examined: 10540 |
| Lease Number: G12043 | Source of Paleo: OPERATOR | Borehole MD: 18735 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18200 |
| API Well Number: 608105005501 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 10540 - 18735 | Water Depth: 520 |
| Public Info Code: Y 14-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10540 / 10538 | DEF AT first sample examined | DEF AT |
| 10930 / 10927 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 11590 / 11586 | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 11950 / 11946 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 13450 / 13365 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 13480 / 13392 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |
| 13720 / 13610 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 14740 / 14523 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 15040 / 14788 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 15610 / 15296 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT |
| 15700 / 15377 | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT |
| 16510 / 16108 | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 16660 / 16247 | DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis | DEF AT |
| 17290 / 16836 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT |
| 17530 / 17062 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme) | DEF AT |
| 17650 / 17176 | DEF AT Upper Oligocene (Chattian) Sphenolithus ciperensis | DEF AT |
| 17680 / 17204 | DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis | DEF AT |
| 17770 / 17289 | DEF AT local marker floral decrease | DEF AT |
| 18735 / 18199 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 829 | Date of Summary: 08-OCT-1997 | First Sample Examined: 2000 |
| Lease Number: G14621 | Source of Paleo: OPERATOR | Borehole MD: 8755 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8755 |
| API Well Number: 608105007600 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 2 | Sample Range: 2000 - 8755 | Water Depth: 550 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 2000 / 2000 | DEF AT first sample examined | DEF AT |
| 4070 / 4070 | POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 4310 / 4310 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 5540 / 5540 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 6230 / 6230 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 7190 / 7190 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7400 / 7400 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7460 / 7460 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 7550 / 7550 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 7580 / 7580 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 8060 / 8060 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 8270 / 8270 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 8755 / 8755 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 829 | Date of Summary: 26-MAR-2001 | First Sample Examined: 2000 |
| Lease Number: G14621 | Source of Paleo: OPERATOR | Borehole MD: 8755 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8755 |
| API Well Number: 608105007600 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 2 of 2 | Sample Range: 2000 - 8755 | Water Depth: 550 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 2000 / 2000 | DEF AT first sample examined | DEF AT |
| 2240 / 2240 | DEF AT - - - - - | DEF AT 4 |
| 2510 / 2510 | POS AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 4850 / 4850 | DEF AT - - - - - | DEF AT 5 |
| 6230 / 6230 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 7190 / 7190 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 5 |
| 7400 / 7400 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 7549 / 7549 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 7550 / 7550 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF IN 5 |
| 7580 / 7580 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 8330 / 8330 | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 5 |
| 8690 / 8690 | DEF AT sample gap top | POS IN 5 |
| 8754 / 8754 | DEF AT sample gap bottom | DEF IN 5 |
| 8755 / 8755 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 829 | Date of Summary: 20-OCT-1997 | First Sample Examined: 4070 |
| Lease Number: G14621 | Source of Paleo: OPERATOR | Borehole MD: 18448 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18337 |
| API Well Number: 608105007601 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 2 | Sample Range: 4070 - 18448 | Water Depth: 550 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4070 / 4070 | DEF AT first sample examined | DEF AT |
| 4400 / 4398 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 5720 / 5672 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 6290 / 6214 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 7340 / 7238 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7460 / 7357 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7520 / 7417 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 7580 / 7477 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 7670 / 7566 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 7790 / 7686 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 8420 / 8315 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 8960 / 8855 | DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme) | DEF AT |
| 9800 / 9695 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 9890 / 9784 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 10190 / 10084 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 10640 / 10533 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 11030 / 10923 | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 11810 / 11703 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 13400 / 13293 | POS AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 13730 / 13622 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 13850 / 13741 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 14240 / 14131 | DEF AT local marker floral increase | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|------------------------------------|
| Area Block: EW 829 | Date of Summary: 20-OCT-1997 | First Sample Examined: 4070 |
| Lease Number: G14621 | Source of Paleo: OPERATOR | Borehole MD: 18448 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18337 |
| API Well Number: 608105007601 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 2 | Sample Range: 4070 - 18448 | Water Depth: 550 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14720 / 14611 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 15830 / 15720 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 16550 / 16440 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT |
| 17330 / 17220 | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT |
| 18448 / 18337 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 829 | Date of Summary: 20-OCT-1997 | First Sample Examined: 4070 |
| Lease Number: G14621 | Source of Paleo: OPERATOR | Borehole MD: 18448 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18337 |
| API Well Number: 608105007601 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 2 of 2 | Sample Range: 4070 - 18440 | Water Depth: 550 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4070 / 4070 | DEF AT first sample examined | DEF AT 4 |
| 5600 / 5558 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 6290 / 6214 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 6590 / 6503 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 7310 / 7209 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 7460 / 7357 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 7640 / 7536 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 7700 / 7596 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 8480 / 8375 | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 5 |
| 8900 / 8795 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 9830 / 9724 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 10190 / 10084 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 10460 / 10353 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 13790 / 13682 | DEF AT local marker planktic foram increase | DEF AT 6 |
| 13970 / 13861 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 14540 / 14431 | DEF AT faunal change (no faunal increase) | DEF AT 6 |
| 14810 / 14701 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 6 |
| 14840 / 14731 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 16820 / 16710 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 18448 / 18337 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 868 | Date of Summary: 11-JAN-1991 | First Sample Examined: 2980 |
| Lease Number: G10956 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9300 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9300 |
| API Well Number: 608105002400 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 2980 - 9300 | Water Depth: 620 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 2980 / 2980 | DEF AT first sample examined | DEF AT |
| 3220 / 3220 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 3640 / 3640 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 5200 / 5200 | DEF AT sample gap top | DEF AT |
| 5710 / 5710 | DEF AT sample gap bottom | DEF AT |
| 7030 / 7030 | POS IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 8110 / 8110 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 8470 / 8470 | DEF AT sample gap top | DEF AT |
| 8560 / 8560 | DEF AT sample gap bottom | DEF AT |
| 8800 / 8800 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 8830 / 8830 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 8890 / 8890 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9300 / 9300 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EW 871 | Date of Summary: 02-OCT-1989 | First Sample Examined: 0 |
| Lease Number: G05801 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16504 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 15438 |
| API Well Number: 608105000800 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 67 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 771 |
| Public Info Code: Y 17-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 2130 / 2130 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 5550 / 5548 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 7980 / 7977 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 9900 / 9897 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 10830 / 10790 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 11700 / 11521 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 11790 / 11592 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 12030 / 11782 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 14270 / 13549 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EW 914 | Date of Summary: 02-NOV-1993 | First Sample Examined: 0 |
| Lease Number: G05804 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10425 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10425 |
| API Well Number: 608105002200 | Drilling Operator: TATHAM OFFSHORE INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 946 |
| Public Info Code: Y 17-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7680 / 7680 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 8580 / 8579 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8640 / 8639 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9760 / 9759 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 915 | Date of Summary: 08-SEP-1986 | First Sample Examined: 1990 |
| Lease Number: G05805 | Source of Paleo: OPERATOR | Borehole MD: 13082 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12815 |
| API Well Number: 608104002100 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 1990 - 12082 | Water Depth: 1141 |
| Public Info Code: Y 25-JAN-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 1990 / 1990 | DEF AT first sample examined | DEF AT 4 |
| 2753 / 2753 | DEF AT sample gap top | POS AT 4 |
| 3630 / 3630 | DEF AT sample gap bottom | DEF AT 4 |
| 6270 / 6263 | DEF AT sample gap top | POS AT 4 |
| 6630 / 6623 | DEF AT sample gap bottom | DEF AT 4 |
| 6780 / 6773 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 7500 / 7493 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 7710 / 7703 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10200 / 10175 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 11070 / 11001 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 12082 / 11907 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EW 915 | Date of Summary: 07-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G05805 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14182 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 13011 |
| API Well Number: 608105005400 | Drilling Operator: TATHAM OFFSHORE INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1000 |
| Public Info Code: Y 17-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7340 / 7340 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 7520 / 7520 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9200 / 9050 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |
| 13400 / 12347 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: EW 986 | Date of Summary: 19-JAN-1997 | First Sample Examined: 1730 |
| Lease Number: G13155 | Source of Paleo: OPERATOR | Borehole MD: 18118 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14140 |
| API Well Number: 608104009800 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 2 | Sample Range: 1730 - 15225 | Water Depth: 517 |
| Public Info Code: Y 05-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 1730 / 1730 | DEF AT first sample examined | DEF AT |
| 1790 / 1790 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 3410 / 3410 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 3650 / 3650 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 4670 / 4655 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT |
| 4760 / 4741 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 5780 / 5693 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 6470 / 6282 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT |
| 7430 / 6963 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT |
| 8720 / 7841 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 8749 / 7861 | DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima | DEF AT |
| 8750 / 7862 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 10878 / 9344 | DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum | DEF AT |
| 10879 / 9345 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 10880 / 9346 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 11000 / 9429 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT |
| 12410 / 10393 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 15225 / 12293 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: EW 986 | Date of Summary: 19-JAN-1997 | First Sample Examined: 15770 |
| Lease Number: G13155 | Source of Paleo: OPERATOR | Borehole MD: 18118 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14140 |
| API Well Number: 608104009800 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 79 |
| Paleo Report Num: 2 of 2 | Sample Range: 15770 - 18118 | Water Depth: 517 |
| Public Info Code: Y 05-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report for bypass 2

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 15770 / 12646 | DEF AT first sample examined | DEF AT |
| 15771 / 12647 | POS IN Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 15800 / 12666 | POS AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 16278 / 12972 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 16279 / 12972 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT |
| 16280 / 12973 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 16730 / 13260 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT |
| 16880 / 13356 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT |
| 16909 / 13374 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 16910 / 13375 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 17030 / 13451 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 17150 / 13527 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 18110 / 14135 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 988 | Date of Summary: 20-JUL-1989 | First Sample Examined: 1580 |
| Lease Number: G05809 | Source of Paleo: OPERATOR | Borehole MD: 14082 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14082 |
| API Well Number: 608104004200 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 1580 - 14082 | Water Depth: 430 |
| Public Info Code: Y 28-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1580 / | DEF AT first sample examined | DEF AT 3 |
| 1820 / | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 3 |
| 2600 / | DEF AT - - - - | DEF AT 4 |
| 5441 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 5900 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 9380 / | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 9500 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 11570 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 12890 / | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 13160 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 13940 / | DEF IN Upper (Late) Miocene | DEF AT 4 |
| 14082 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 988 | Date of Summary: 23-OCT-1989 | First Sample Examined: 3500 |
| Lease Number: G05809 | Source of Paleo: OPERATOR | Borehole MD: 10730 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10501 |
| API Well Number: 608104004201 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 3500 - 10730 | Water Depth: 488 |
| Public Info Code: Y 06-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3500 / 3500 | DEF AT first sample examined | DEF AT |
| 8570 / 8384 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 10010 / 9794 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 10730 / 10501 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: EW 989 | Date of Summary: 30-DEC-1992 | First Sample Examined: 5000 |
| Lease Number: G12148 | Source of Paleo: OPERATOR | Borehole MD: 13737 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11050 |
| API Well Number: 608104008600 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 13737 | Water Depth: 565 |
| Public Info Code: Y 08-SEP-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 4653 | DEF AT first sample examined | DEF AT 4 |
| 5001 / 4653 | DEF AT poor sample interval top | DEF AT 4 |
| 5540 / 5051 | DEF AT - - - - - | DEF AT 5 |
| 6800 / 5979 | DEF AT - - - - - | DEF AT 4 |
| 9860 / 8211 | DEF AT poor sample interval bottom | DEF AT 4 |
| 9920 / 8255 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 10160 / 8432 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 11060 / 9099 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 13070 / 10573 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 13220 / 10683 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | POS AT 5 |
| 13520 / 10898 | DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis | DEF AT 5 |
| 13550 / 10919 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | POS AT 5 |
| 13730 / 11047 | POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 5 |
| 13737 / 11052 | DEF AT last sample examined | POS AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: EW 1005 | Date of Summary: 07-MAY-1992 | First Sample Examined: 0 |
| Lease Number: G10967 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10393 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10393 |
| API Well Number: 608105003800 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1681 |
| Public Info Code: Y 31-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 3930 / 3930 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 7950 / 7950 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 9120 / 9120 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9210 / 9209 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9810 / 9809 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: FM 455 | Date of Summary: 01-DEC-1986 | First Sample Examined: 1565 |
| Lease Number: G08363 | Source of Paleo: OPERATOR | Borehole MD: 12401 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12401 |
| API Well Number: 608284000100 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 1565 - 12430 | Water Depth: 470 |
| Public Info Code: Y 30-NOV-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 1565 / | DEF AT first sample examined | DEF AT 2 |
| 1566 / | POS IN Oligocene | DEF AT 2 |
| 2400 / | DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis | DEF AT 3 |
| 2550 / | DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni | DEF AT 3 |
| 2910 / | DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis | DEF AT 3 |
| 3840 / | DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis | DEF AT 3 |
| 3870 / | POS AT Lower Paleocene (Danian) Robulus pseudocostata | DEF AT 3 |
| 3960 / | POS AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa | DEF AT 3 |
| 4110 / | DEF IN Upper Cretaceous Campanian Stage | DEF AT 2 |
| 4860 / | POS AT Upper Cretaceous Santonian Stage | DEF AT 2 |
| 4980 / | DEF IN Upper Cretaceous Santonian Stage | DEF AT 2 |
| 5100 / | DEF AT Upper Cretaceous (Coniacian) Hedbergella amabilis | DEF AT 2 |
| 5340 / | DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica | DEF AT 2 |
| 5550 / | DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica | DEF AT 2 |
| 5610 / | POS AT Lower Cretaceous (Albian) Planomalina buxtorfi | DEF AT 1 |
| 5910 / | DEF AT Lower Cretaceous (Albian) Cythereis fredericksburgensis (ostracod) | DEF AT 1 |
| 7610 / | POS AT Lower Cretaceous (Albian) Ammobaculites goodlandensis | DEF AT 1 |
| 7770 / | DEF AT Lower Cretaceous Paluxy Formation | DEF AT 1 |
| 9450 / | DEF AT Lower Cretaceous (Albian) Eocytheropteron trinitiensis (ostracod) | DEF AT 1 |
| 9479 / | DEF AT local marker ostracod (see remarks) | DEF AT 1 |
| 9480 / | DEF AT Lower Cretaceous (Albian) Orbitolina texana | DEF AT 1 |
| 10010 / | DEF AT Lower Cretaceous Punta Gorda Formation | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: FM 455 | Date of Summary: 01-DEC-1986 | First Sample Examined: 1565 |
| Lease Number: G08363 | Source of Paleo: OPERATOR | Borehole MD: 12401 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12401 |
| API Well Number: 608284000100 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 1565 - 12430 | Water Depth: 470 |
| Public Info Code: Y 30-NOV-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10740 / | DEF AT Lower Cretaceous Rodessa Formation | DEF AT 1 |
| 11990 / | DEF IN Lower Cretaceous Rodessa Formation | DEF AT 1 |
| 12180 / | POS AT Lower Cretaceous (Aptian) Choffatella decipiens | DEF AT 1 |
| 12430 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 181 | Date of Summary: 20-JAN-1994 | First Sample Examined: 0 |
| Lease Number: G11305 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9265 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9264 |
| API Well Number: 427064034700 | Drilling Operator: W & T OFFSHORE INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 54 |
| Public Info Code: Y 31-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8306 / 8305 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 9035 / 9034 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GA 190 | Date of Summary: 03-DEC-1993 | First Sample Examined: 5200 |
| Lease Number: 00092 | Source of Paleo: OPERATOR | Borehole MD: 14000 |
| Well Name: 009 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13965 |
| API Well Number: 427064034000 | Drilling Operator: MITCHELL ENERGY OFFSHORE CORP | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 2 | Sample Range: 5200 - 7840 | Water Depth: 57 |
| Public Info Code: Y 03-MAR-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 5200 / 5198 | DEF AT first sample examined | DEF AT 2 |
| 5800 / 5798 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 5920 / 5918 | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 3 |
| 6340 / 6338 | POS AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 6580 / 6578 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 7750 / 7748 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 7840 / 7838 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GA 190 | Date of Summary: 03-DEC-1993 | First Sample Examined: 7520 |
| Lease Number: 00092 | Source of Paleo: OPERATOR | Borehole MD: 14000 |
| Well Name: 009 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13965 |
| API Well Number: 427064034000 | Drilling Operator: MITCHELL ENERGY OFFSHORE CORP | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 2 | Sample Range: 7520 - 14000 | Water Depth: 57 |
| Public Info Code: Y 03-MAR-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 7520 / 7518 | DEF AT first sample examined | DEF AT 3 |
| 7730 / 7728 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 8000 / 7998 | POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 8120 / 8118 | DEF AT Eggerella sp. (local marker) | DEF AT 3 |
| 8810 / 8807 | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF IN 3 |
| 8870 / 8867 | DEF AT Eggerella sp. (local marker) | DEF IN 3 |
| 10610 / 10605 | DEF AT Lower Miocene (Burdigalian) Gyroidina 8 | DEF IN 3 |
| 10850 / 10844 | DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi | DEF AT 4 |
| 12680 / 12661 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 4 |
| 12980 / 12957 | DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius | DEF AT 4 |
| 13280 / 13253 | POS AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 4 |
| 14000 / 13965 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 191 | Date of Summary: 28-AUG-1996 | First Sample Examined: 0 |
| Lease Number: G13779 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8619 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8617 |
| API Well Number: 427064038600 | Drilling Operator: LLOG EXPLORATION COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 58 |
| Public Info Code: Y 15-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6290 / 6289 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7360 / 7358 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8000 / 7998 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8605 / 8603 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 191 | Date of Summary: 05-MAR-1993 | First Sample Examined: 0 |
| Lease Number: G13779 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9794 |
| Well Name: JA001 | Paleo Done By: OPERATOR | Borehole TVD: 9576 |
| API Well Number: 427064032900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 55 |
| Public Info Code: Y 15-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6970 / 6942 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8650 / 8508 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GA 191 | Date of Summary: 09-SEP-1993 | First Sample Examined: 8964 |
| Lease Number: G13779 | Source of Paleo: OPERATOR | Borehole MD: 9794 |
| Well Name: JA001 | Paleo Done By: OPERATOR | Borehole TVD: 9576 |
| API Well Number: 427064032900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 2 of 2 | Sample Range: 3745 - 9794 | Water Depth: 55 |
| Public Info Code: Y 15-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8964 / 8798 | DEF AT first sample examined | POS AT 2 |
| 9507 / 9305 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 2 |
| 9794 / 9576 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 212 | Date of Summary: 10-JAN-1996 | First Sample Examined: 0 |
| Lease Number: G14827 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8818 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8396 |
| API Well Number: 427064037800 | Drilling Operator: KING RANCH OIL AND GAS INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 57 |
| Public Info Code: Y 30-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6615 / 6376 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7840 / 7493 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8324 / 7940 | DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT |
| 8510 / 8112 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 227 | Date of Summary: 13-JUN-1997 | First Sample Examined: 0 |
| Lease Number: G14132 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7840 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7750 |
| API Well Number: 427064040100 | Drilling Operator: KING RANCH OIL AND GAS INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 52 |
| Public Info Code: Y 31-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5840 / 5840 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 6270 / 6269 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7640 / 7584 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 227 | Date of Summary: 23-JUN-1997 | First Sample Examined: 0 |
| Lease Number: G14132 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11620 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10706 |
| API Well Number: 427064040101 | Drilling Operator: KING RANCH OIL AND GAS INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 52 |
| Public Info Code: Y 31-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7624 / 7603 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7670 / 7646 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 8210 / 8111 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9560 / 9103 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 253 | Date of Summary: 24-MAY-1991 | First Sample Examined: 6000 |
| Lease Number: G11308 | Source of Paleo: OPERATOR | Borehole MD: 8206 |
| Well Name: 001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 8206 |
| API Well Number: 427064029400 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 8270 | Water Depth: 65 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 6000 / | DEF AT first sample examined | DEF AT 1 |
| 6240 / | POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 1 |
| 6270 / | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 6720 / | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 1 |
| 7020 / | POS AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 1 |
| 7200 / | POS AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 1 |
| 7710 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |
| 8250 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 268 | Date of Summary: 03-NOV-1998 | First Sample Examined: 0 |
| Lease Number: G17127 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14392 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13500 |
| API Well Number: 427064041100 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 55 |
| Public Info Code: Y 17-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4400 / 4103 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5889 / 5313 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6735 / 6014 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 7716 / 6870 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 9121 / 8230 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 11545 / 10652 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 12953 / 12060 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GA 289 | Date of Summary: 30-NOV-1987 | First Sample Examined: 2530 |
| Lease Number: G01783 | Source of Paleo: OPERATOR | Borehole MD: 9850 |
| Well Name: 006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9850 |
| API Well Number: 427064019300 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 2530 - 9850 | Water Depth: 68 |
| Public Info Code: Y 27-DEC-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 2530 / | DEF AT first sample examined | DEF AT |
| 2531 / | DEF AT cement | DEF AT |
| 2790 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 3120 / | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 3210 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 3600 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 3720 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 4500 / | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 4650 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 4920 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 5340 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 5590 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 7010 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 7640 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 3 |
| 7790 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 9820 / | POS AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 9850 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 291 | Date of Summary: 08-MAR-1990 | First Sample Examined: 5030 |
| Lease Number: G10245 | Source of Paleo: OPERATOR | Borehole MD: 10916 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10910 |
| API Well Number: 427064025100 | Drilling Operator: COCKRELL OIL CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 5030 - 10910 | Water Depth: 63 |
| Public Info Code: Y 11-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5030 / 5029 | DEF AT first sample examined | DEF AT 3 |
| 5031 / 5030 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 6020 / 6019 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 6500 / 6499 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 8060 / 8059 | POS AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 8930 / 8929 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 10760 / 10755 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 3 |
| 10910 / 10904 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 291 | Date of Summary: 07-MAY-1990 | First Sample Examined: 5000 |
| Lease Number: G10245 | Source of Paleo: OPERATOR | Borehole MD: 11310 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10806 |
| API Well Number: 427064026100 | Drilling Operator: COCKRELL OIL CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 11310 | Water Depth: 63 |
| Public Info Code: Y 11-OCT-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 5000 / 4727 | DEF AT first sample examined | DEF AT 3 |
| 5001 / 4728 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 6240 / 5865 | DEF AT sample gap top | POS AT 3 |
| 6440 / 6050 | DEF AT sample gap bottom | DEF AT 3 |
| 6470 / 6077 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 7700 / 7215 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 8780 / 8278 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 9590 / 9088 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 10550 / 10047 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 4 |
| 11310 / 10807 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 294 | Date of Summary: 05-AUG-1993 | First Sample Examined: 5000 |
| Lease Number: G13781 | Source of Paleo: OPERATOR | Borehole MD: 10117 |
| Well Name: 001 | Paleo Done By: STORK & ASS. | Borehole TVD: 10117 |
| API Well Number: 427064033800 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 10130 | Water Depth: 66 |
| Public Info Code: Y 31-OCT-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5000 / 4997 | DEF AT first sample examined | DEF AT 1 |
| 5001 / 4998 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 5090 / 5087 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 1 |
| 5420 / 5417 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 1 |
| 5570 / 5567 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 5840 / 5837 | POS AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 2 |
| 6020 / 6017 | DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis | DEF AT 2 |
| 6260 / 6257 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 6470 / 6467 | DEF AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT 1 |
| 6530 / 6527 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT 2 |
| 6710 / 6707 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 7160 / 7157 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 1 |
| 7250 / 7247 | DEF AT Arenaceous fauna (local marker) | DEF AT 1 |
| 7370 / 7367 | DEF AT local marker benthic foram increase | DEF AT 1 |
| 7490 / 7487 | POS AT Middle Miocene (Serravallian) Textularia "W" | DEF IN 1 |
| 7610 / 7607 | DEF AT - - - - | DEF AT 2 |
| 7700 / 7697 | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 7850 / 7847 | DEF AT Cyclammina sp. (local marker) | DEF IN 2 |
| 7880 / 7877 | DEF AT local marker planktic foram increase | DEF IN 2 |
| 9080 / 9075 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF IN 2 |
| 9230 / 9224 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF IN 2 |
| 9290 / 9284 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF IN 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 294 | Date of Summary: 05-AUG-1993 | First Sample Examined: 5000 |
| Lease Number: G13781 | Source of Paleo: OPERATOR | Borehole MD: 10117 |
| Well Name: 001 | Paleo Done By: STORK & ASS. | Borehole TVD: 10117 |
| API Well Number: 427064033800 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 10130 | Water Depth: 66 |
| Public Info Code: Y 31-OCT-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 9350 / 9344 | DEF AT Cyclamina cancellata (local marker) | DEF IN 2 |
| 9410 / 9404 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 3 |
| 9560 / 9554 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 3 |
| 10118 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 297 | Date of Summary: 12-FEB-1992 | First Sample Examined: 0 |
| Lease Number: G12501 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8329 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7900 |
| API Well Number: 427064031500 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 22-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 2949 / 2949 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 3613 / 3613 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 4295 / 4295 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 4750 / 4746 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5610 / 5553 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6717 / 6521 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 297 | Date of Summary: 25-SEP-1997 | First Sample Examined: 0 |
| Lease Number: G12501 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10213 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 9316 |
| API Well Number: 427064039700 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 22-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4569 / 4569 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5306 / 5306 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6503 / 6502 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 7060 / 7051 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 7990 / 7888 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 297 | Date of Summary: 08-OCT-1991 | First Sample Examined: 0 |
| Lease Number: G12501 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9855 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9063 |
| API Well Number: 427064030000 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 22-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4238 / 4238 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 4695 / 4695 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5316 / 5311 | DEF AT Upper Miocene (Tortonian) Bigenerina 2 | DEF AT |
| 5666 / 5648 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 6930 / 6675 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8359 / 7803 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 297 | Date of Summary: 13-MAY-1996 | First Sample Examined: 0 |
| Lease Number: G12501 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11072 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 9742 |
| API Well Number: 427064037600 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 22-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4687 / 4687 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5484 / 5471 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 5643 / 5622 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 6821 / 6654 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 9957 / 8887 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 299 | Date of Summary: 20-OCT-1996 | First Sample Examined: 7000 |
| Lease Number: G13783 | Source of Paleo: OPERATOR | Borehole MD: 10500 |
| Well Name: 001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 10458 |
| API Well Number: 427064038900 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 10500 | Water Depth: 65 |
| Public Info Code: Y 30-NOV-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 7000 / 7000 | DEF AT first sample examined | DEF AT 1 |
| 7001 / 7001 | DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT 1 |
| 7150 / 7150 | DEF AT local marker foram increase | DEF IN 1 |
| 7240 / 7240 | DEF AT local marker foram increase | DEF AT 2 |
| 7840 / 7840 | DEF AT local marker benthic foram increase | DEF IN 1 |
| 7990 / 7990 | DEF AT local marker foram decrease | DEF AT 1 |
| 8260 / 8260 | DEF AT local marker benthic foram increase | DEF IN 1 |
| 8440 / 8440 | DEF AT local marker foram decrease | DEF AT 1 |
| 9130 / 9130 | DEF AT local marker benthic foram increase | DEF IN 1 |
| 9160 / 9160 | DEF AT Eggerella sp. (local marker) | DEF AT 2 |
| 9250 / 9250 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 2 |
| 9280 / 9280 | DEF AT deepwater facies Harang | DEF AT 3 |
| 9340 / 9340 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 4 |
| 10209 / 10208 | DEF AT unconformity | POS AT 2 |
| 10210 / 10209 | DEF AT reworked material | POS AT 2 |
| 10419 / 10418 | DEF AT unconformity | DEF AT 2 |
| 10420 / 10419 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 2 |
| 10480 / 10479 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 303 | Date of Summary: 25-MAR-1987 | First Sample Examined: 0 |
| Lease Number: G04565 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10140 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10140 |
| API Well Number: 427064010000 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 64 |
| Public Info Code: Y 28-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 7130 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7880 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8990 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 10070 / | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 304 | Date of Summary: 12-OCT-1994 | First Sample Examined: 6000 |
| Lease Number: G11311 | Source of Paleo: OPERATOR | Borehole MD: 7515 |
| Well Name: 001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 7300 |
| API Well Number: 427064035500 | Drilling Operator: SEAGULL INTERSTATE CORPORATION | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 7515 | Water Depth: 65 |
| Public Info Code: Y 10-JAN-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: 7290=Guttulina austriaca

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 6000 / 5838 | DEF AT first sample examined | DEF AT 1 |
| 6001 / 5839 | POS IN Middle Miocene | DEF AT 1 |
| 7110 / 6850 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 1 |
| 7140 / 6877 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 1 |
| 7290 / 7013 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 1 |
| 7320 / 7041 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF IN 1 |
| 7515 / 7218 | DEF AT last sample examined | DEF IN 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 313 | Date of Summary: 07-SEP-1999 | First Sample Examined: 0 |
| Lease Number: G11313 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14000 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 14000 |
| API Well Number: 427064011400 | Drilling Operator: SUPERIOR OIL COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 64 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8220 / 8217 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9750 / 9746 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 313 | Date of Summary: 13-JAN-1995 | First Sample Examined: 0 |
| Lease Number: G11313 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10400 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 9844 |
| API Well Number: 427064035600 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 62 |
| Public Info Code: Y 11-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9150 / 8685 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10194 / 9652 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 313 | Date of Summary: 08-OCT-1999 | First Sample Examined: 0 |
| Lease Number: G11318 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12935 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10496 |
| API Well Number: 427064026000 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 66 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7165 / 6531 | DEF AT gray shale | DEF AT |
| 7460 / 6731 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 9704 / 8277 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 11121 / 9247 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 313 | Date of Summary: 09-MAR-1990 | First Sample Examined: 0 |
| Lease Number: G11318 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12520 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 11452 |
| API Well Number: 427064025300 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 62 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: 6720=Galveston Shale

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4630 / 4629 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6720 / 6676 | DEF AT local marker (general) | DEF AT |
| 8678 / 8294 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10403 / 9686 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 315 | Date of Summary: 12-JUL-1996 | First Sample Examined: 0 |
| Lease Number: G14834 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13364 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12047 |
| API Well Number: 427064038200 | Drilling Operator: KING RANCH OIL AND GAS INC | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 62 |
| Public Info Code: Y 30-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9085 / 8773 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10075 / 9559 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 316 | Date of Summary: 20-SEP-1996 | First Sample Examined: 0 |
| Lease Number: G14835 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11800 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11800 |
| API Well Number: 427064038800 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 66 |
| Public Info Code: Y 28-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9374 / 9373 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10249 / 10248 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 320 | Date of Summary: 09-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G07245 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9590 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9589 |
| API Well Number: 427064012100 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 72 |
| Public Info Code: Y 30-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8885 / 8884 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 320 | Date of Summary: 08-APR-1987 | First Sample Examined: 0 |
| Lease Number: G07245 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12379 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11593 |
| API Well Number: 427064012800 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 72 |
| Public Info Code: Y 30-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 6980 / 6970 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 7370 / 7347 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 8000 / 7929 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 10240 / 9843 | DEF AT ----- | DEF AT 4 |
| 10270 / 9868 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 4 |
| 10600 / 10136 | DEF AT ----- | DEF AT 5 |
| 11170 / 10603 | DEF AT ----- | DEF AT 6 |
| 12100 / 11357 | DEF AT ----- | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 330 | Date of Summary: 22-SEP-1992 | First Sample Examined: 7400 |
| Lease Number: G13314 | Source of Paleo: OPERATOR | Borehole MD: 8750 |
| Well Name: 001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 8084 |
| API Well Number: 427064032400 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 2 | Sample Range: 7400 - 8240 | Water Depth: 65 |
| Public Info Code: Y 30-NOV-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 7400 / 6812 | DEF AT first sample examined | DEF AT 1 |
| 7401 / 6813 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 7880 / 7261 | POS AT local marker (general) | DEF AT 1 |
| 8000 / 7373 | DEF AT faunal change (no faunal increase) | DEF IN 1 |
| 8060 / 7429 | DEF AT Eggerella sp. (local marker) | DEF IN 1 |
| 8150 / 7514 | POS AT local marker (general) | DEF IN 2 |
| 8180 / 7542 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 8240 / 7598 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 330 | Date of Summary: 22-SEP-1992 | First Sample Examined: 7670 |
| Lease Number: G13314 | Source of Paleo: OPERATOR | Borehole MD: 8750 |
| Well Name: 001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 8084 |
| API Well Number: 427064032400 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 95 |
| Paleo Report Num: 2 of 2 | Sample Range: 6290 - 8750 | Water Depth: 65 |
| Public Info Code: Y 30-NOV-1996 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 7670 / 7064 | DEF AT first sample examined | DEF AT 1 |
| 7880 / 7261 | POS AT local marker (general) | DEF AT 1 |
| 8030 / 7401 | DEF AT cement | POS AT 1 |
| 8150 / 7514 | POS AT local marker (general) | DEF AT 3 |
| 8510 / 7854 | POS AT faunal change (no faunal increase) | DEF AT 2 |
| 8540 / 7883 | POS AT faunal change (no faunal increase) | DEF AT 1 |
| 8750 / 8084 | DEF AT last sample examined | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GA 330 | Date of Summary: 27-APR-1993 | First Sample Examined: 11400 |
| Lease Number: G13314 | Source of Paleo: OPERATOR | Borehole MD: 13539 |
| Well Name: 002 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 8500 |
| API Well Number: 427064033600 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 11400 - 13520 | Water Depth: 67 |
| Public Info Code: Y 30-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11400 / 7264 | DEF AT first sample examined | POS AT 1 |
| 11401 / 7264 | DEF AT cement | POS AT 1 |
| 11540 / 7340 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 11840 / 7511 | DEF AT Cyclammina cancellata (local marker) | DEF AT 1 |
| 11900 / 7546 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 12290 / 7774 | DEF AT local marker (general) | DEF AT 3 |
| 12920 / 8140 | DEF AT local marker (general) | DEF AT 1 |
| 13220 / 8314 | POS AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 1 |
| 13340 / 8384 | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 1 |
| 13490 / 8473 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 332 | Date of Summary: 08-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G11319 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11730 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10988 |
| API Well Number: 427064035800 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 70 |
| Public Info Code: Y 12-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7710 / 7688 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9420 / 9347 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 333 | Date of Summary: 06-JUL-1988 | First Sample Examined: 0 |
| Lease Number: G06104 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10120 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9557 |
| API Well Number: 427064020600 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 66 |
| Public Info Code: Y 26-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6060 / 6060 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7200 / 7194 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7957 / 7904 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 9390 / 9046 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 333 | Date of Summary: 08-SEP-1989 | First Sample Examined: 9040 |
| Lease Number: G06104 | Source of Paleo: OPERATOR | Borehole MD: 11770 |
| Well Name: 004 | Paleo Done By: JACK COLLE | Borehole TVD: 8542 |
| API Well Number: 427064023400 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 9040 - 11770 | Water Depth: 66 |
| Public Info Code: Y 27-SEP-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 9040 / 6928 | DEF AT first sample examined | DEF AT 1 |
| 9220 / 7043 | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 1 |
| 10270 / 7629 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 1 |
| 11170 / 8170 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |
| 11470 / 8355 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 11770 / 8542 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 333 | Date of Summary: 08-SEP-1999 | First Sample Examined: 0 |
| Lease Number: G06104 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11687 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9069 |
| API Well Number: 427064021500 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 66 |
| Public Info Code: Y 05-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8100 / 6780 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10300 / 8210 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 343 | Date of Summary: 17-JUN-1988 | First Sample Examined: 0 |
| Lease Number: G06105 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9207 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9207 |
| API Well Number: 427064020400 | Drilling Operator: WACKER OIL INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 72 |
| Public Info Code: Y 30-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6900 / 6898 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7825 / 7823 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 343 | Date of Summary: 03-APR-1989 | First Sample Examined: 0 |
| Lease Number: G06105 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9563 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 8694 |
| API Well Number: 427064022500 | Drilling Operator: WACKER OIL INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 74 |
| Public Info Code: Y 14-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7720 / 7101 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8120 / 7441 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 345 | Date of Summary: 12-JUN-1991 | First Sample Examined: 0 |
| Lease Number: G11320 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13124 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12055 |
| API Well Number: 427064027900 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 47 |
| Public Info Code: Y 30-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 2272 / 2272 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 2619 / 2619 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 2890 / 2890 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 3152 / 3152 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 3510 / 3510 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 4306 / 4284 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 4749 / 4688 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 7570 / 7210 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 8911 / 8416 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10494 / 9830 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 349 | Date of Summary: 15-JAN-1989 | First Sample Examined: 3530 |
| Lease Number: G07251 | Source of Paleo: OPERATOR | Borehole MD: 7930 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7930 |
| API Well Number: 427064021200 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 3530 - 7790 | Water Depth: 84 |
| Public Info Code: Y 11-JUL-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3530 / 3530 | DEF AT first sample examined | DEF AT 2 |
| 3531 / 3531 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 3650 / 3650 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 2 |
| 3710 / 3710 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 2 |
| 3830 / 3830 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 3920 / 3920 | DEF AT - - - - - | DEF AT 1 |
| 4190 / 4190 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 4670 / 4670 | DEF AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT 1 |
| 4730 / 4730 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 5060 / 5060 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 1 |
| 5450 / 5450 | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT 1 |
| 5480 / 5480 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 1 |
| 5600 / 5600 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 1 |
| 5660 / 5660 | DEF AT - - - - - | DEF AT 2 |
| 5930 / 5930 | DEF AT - - - - - | DEF AT 1 |
| 6110 / 6110 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT 1 |
| 6260 / 6260 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 6590 / 6590 | DEF AT - - - - - | DEF AT 1 |
| 6650 / 6650 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 6740 / 6740 | DEF AT - - - - - | DEF AT 2 |
| 6980 / 6980 | DEF AT - - - - - | DEF AT 1 |
| 7280 / 7280 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 349 | Date of Summary: 15-JAN-1989 | First Sample Examined: 3530 |
| Lease Number: G07251 | Source of Paleo: OPERATOR | Borehole MD: 7930 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7930 |
| API Well Number: 427064021200 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 3530 - 7790 | Water Depth: 84 |
| Public Info Code: Y 11-JUL-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7310 / 7310 | DEF AT local marker benthic foram increase | DEF AT 1 |
| 7460 / 7460 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 1 |
| 7730 / 7730 | DEF AT - - - - - | DEF AT 2 |
| 7790 / 7790 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 349 | Date of Summary: 17-SEP-1996 | First Sample Examined: 0 |
| Lease Number: G07251 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8700 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7440 |
| API Well Number: 427064022100 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 77 |
| Public Info Code: Y 11-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6894 / 6020 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 349 | Date of Summary: 29-JUN-1989 | First Sample Examined: 0 |
| Lease Number: G07251 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7170 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 7170 |
| API Well Number: 427064023000 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 11-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4940 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 5350 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 5740 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7000 / | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 349 | Date of Summary: 08-AUG-1989 | First Sample Examined: 0 |
| Lease Number: G07251 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6800 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 6800 |
| API Well Number: 427064023200 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 11-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 3975 / | POS AT Upper (Late) Miocene | DEF AT |
| 5060 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 5400 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 5964 / | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 349 | Date of Summary: 05-SEP-1989 | First Sample Examined: 0 |
| Lease Number: G07251 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6800 |
| Well Name: 006 | Paleo Done By: OPERATOR | Borehole TVD: 6800 |
| API Well Number: 427064023700 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 81 |
| Public Info Code: Y 11-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3936 / | POS AT Upper (Late) Miocene | DEF AT |
| 4942 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 5427 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 349 | Date of Summary: 01-NOV-1989 | First Sample Examined: 0 |
| Lease Number: G07251 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8131 |
| Well Name: 007 | Paleo Done By: OPERATOR | Borehole TVD: 6800 |
| API Well Number: 427064024000 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 11-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4780 / 3929 | POS AT Upper (Late) Miocene | DEF AT |
| 6200 / 5000 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6780 / 5500 | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 6960 / 5666 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 350 | Date of Summary: 20-OCT-1997 | First Sample Examined: 0 |
| Lease Number: G04721 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10850 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 8597 |
| API Well Number: 427064018700 | Drilling Operator: WALTER OIL & GAS CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 78 |
| Public Info Code: Y 17-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5602 / 5099 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7509 / 6296 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8019 / 6627 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 9700 / 7786 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 350 | Date of Summary: 16-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G09047 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7766 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7600 |
| API Well Number: 427064029800 | Drilling Operator: WALTER OIL & GAS CORPORATION | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 81 |
| Public Info Code: Y 02-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6473 / 6307 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 7613 / 7447 | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 351 | Date of Summary: 16-JAN-1991 | First Sample Examined: 0 |
| Lease Number: G09047 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8099 |
| API Well Number: 427064020000 | Drilling Operator: WALTER OIL & GAS CORPORATION | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 79 |
| Public Info Code: Y 02-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6294 / 6293 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 7432 / 7431 | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA 356 | Date of Summary: 25-MAY-1990 | First Sample Examined: 4990 |
| Lease Number: G11322 | Source of Paleo: OPERATOR | Borehole MD: 9058 |
| Well Name: 001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 9058 |
| API Well Number: 427064025700 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 4990 - 9057 | Water Depth: 85 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 4990 / | DEF AT first sample examined | DEF AT 1 |
| 4991 / | POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 1 |
| 5950 / | DEF AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT 1 |
| 6670 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 7270 / | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 1 |
| 7390 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 1 |
| 8500 / | POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 1 |
| 8740 / | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT 1 |
| 9010 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 357 | Date of Summary: 27-SEP-1999 | First Sample Examined: 0 |
| Lease Number: G12505 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8200 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8200 |
| API Well Number: 427064036100 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 96 |
| Public Info Code: Y 23-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6265 / 6265 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 7161 / 7161 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 360 | Date of Summary: 02-DEC-1993 | First Sample Examined: 0 |
| Lease Number: G13784 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8656 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8350 |
| API Well Number: 427064034300 | Drilling Operator: KING RANCH OIL AND GAS INC | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 79 |
| Public Info Code: Y 30-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7712 / 7439 | DEF AT gray shale | DEF AT |
| 7890 / 7610 | DEF AT local marker benthic foram increase | DEF AT |
| 7980 / 7697 | POS AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 8040 / 7755 | POS AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 363 | Date of Summary: 12-JUL-1989 | First Sample Examined: 0 |
| Lease Number: G06113 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8900 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 8721 |
| API Well Number: 427064022200 | Drilling Operator: WACKER OIL INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 70 |
| Public Info Code: Y 08-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6967 / 6946 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8067 / 7960 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 363 | Date of Summary: 20-OCT-1988 | First Sample Examined: 0 |
| Lease Number: G06113 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9050 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9050 |
| API Well Number: 427064021400 | Drilling Operator: WACKER OIL INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 73 |
| Public Info Code: Y 04-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7026 / 7025 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7776 / 7775 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 379 | Date of Summary: 23-FEB-1988 | First Sample Examined: 0 |
| Lease Number: G08129 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17177 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14317 |
| API Well Number: 427064019000 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 7260 / 6739 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7740 / 7107 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 9600 / 8550 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 11330 / 9811 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 11560 / 9979 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT |
| 16920 / 14119 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 379 | Date of Summary: 31-MAY-1990 | First Sample Examined: 0 |
| Lease Number: G08129 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10592 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7862 |
| API Well Number: 427064026200 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5400 / 4393 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8790 / 6622 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 10410 / 7737 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 379 | Date of Summary: 02-AUG-1990 | First Sample Examined: 0 |
| Lease Number: G08129 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9633 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 7879 |
| API Well Number: 427064026800 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 5170 / 4432 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 5920 / 4957 | DEF AT Arenaceous fauna (local marker) | DEF AT |
| 8440 / 6912 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8530 / 6987 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 9550 / 7814 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 379 | Date of Summary: 09-DEC-1996 | First Sample Examined: 0 |
| Lease Number: G15758 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8341 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8100 |
| API Well Number: 427064039100 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 12-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6675 / 6495 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 380 | Date of Summary: 02-DEC-1993 | First Sample Examined: 0 |
| Lease Number: G13787 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10195 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7665 |
| API Well Number: 427064034200 | Drilling Operator: KING RANCH OIL AND GAS INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 24-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9330 / 6802 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 383 | Date of Summary: 21-MAY-1990 | First Sample Examined: 0 |
| Lease Number: G08131 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8011 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8011 |
| API Well Number: 427064025900 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 90 |
| Public Info Code: Y 05-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6600 / | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 384 | Date of Summary: 16-SEP-1982 | First Sample Examined: 0 |
| Lease Number: G04069 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7934 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7934 |
| API Well Number: 427064007900 | Drilling Operator: ALLIED CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 92 |
| Public Info Code: Y 09-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 2850 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 3540 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 4200 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 4530 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5910 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 6420 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7800 / | POS AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: GA 384 | Date of Summary: 11-JUN-1982 | First Sample Examined: 900 |
| Lease Number: G04069 | Source of Paleo: OPERATOR | Borehole MD: 8298 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8298 |
| API Well Number: 427064008400 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 900 - 8298 | Water Depth: 90 |
| Public Info Code: Y 09-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 900 / | DEF AT first sample examined | DEF IN 2 |
| 2460 / | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 2 |
| 2760 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 2940 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 3330 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 3930 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 4230 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 4710 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 5940 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 6540 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 3 |
| 6780 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 8298 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--------------------------------------|-----------------------------|
| Area Block: GA 389 | Date of Summary: 22-MAR-1983 | First Sample Examined: 4657 |
| Lease Number: G04259 | Source of Paleo: OPERATOR | Borehole MD: 9476 |
| Well Name: A001 | Paleo Done By: DAVID L. DUNN | Borehole TVD: 8012 |
| API Well Number: 427064008300 | Drilling Operator: MESA PETROLEUM CO | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 4657 - 9480 | Water Depth: 98 |
| Public Info Code: Y 21-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4657 / 3994 | DEF AT first sample examined | DEF AT 2 |
| 4658 / 3995 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 4960 / 4246 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 6100 / 5209 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 2 |
| 6190 / 5284 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 6580 / 5613 | DEF AT - - - - - | DEF AT 1 |
| 7210 / 6142 | POS AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT 1 |
| 7809 / 6639 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 7810 / 6640 | DEF AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT 1 |
| 8710 / 7382 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 8890 / 7531 | POS AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 1 |
| 9480 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--------------------------------------|-----------------------------|
| Area Block: GA 389 | Date of Summary: 10-FEB-1984 | First Sample Examined: 4390 |
| Lease Number: G04259 | Source of Paleo: OPERATOR | Borehole MD: 8668 |
| Well Name: A002 | Paleo Done By: DAVID L. DUNN | Borehole TVD: 7517 |
| API Well Number: 427064009900 | Drilling Operator: MESA PETROLEUM CO | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 4390 - 8530 | Water Depth: 98 |
| Public Info Code: Y 21-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4390 / 4017 | DEF AT first sample examined | DEF AT 2 |
| 4391 / 4017 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 4540 / 4141 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 5050 / 4553 | DEF AT - - - - - | DEF IN 1 |
| 5890 / 5216 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF IN 1 |
| 5970 / 5280 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 1 |
| 6390 / 5624 | DEF AT - - - - - | DEF AT 2 |
| 7480 / 6527 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 8500 / 7376 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 8530 / 7401 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 1 |
| 8665 / 7515 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 392 | Date of Summary: 13-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G04567 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7400 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7400 |
| API Well Number: 427064036000 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 98 |
| Public Info Code: Y 25-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4490 / 4490 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6320 / 6320 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 7192 / 7192 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 392 | Date of Summary: 25-NOV-1985 | First Sample Examined: 0 |
| Lease Number: G04567 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11015 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9832 |
| API Well Number: 427064006600 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 94 |
| Public Info Code: Y 25-APR-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4502 / 4134 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4756 / 4362 | DEF IN Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 5195 / 4754 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6025 / 5485 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 6362 / 5780 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 7310 / 6604 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 392 | Date of Summary: 08-NOV-1985 | First Sample Examined: 0 |
| Lease Number: G04567 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5640 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 4444 |
| API Well Number: 427064012600 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 94 |
| Public Info Code: Y 25-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5056 / 3941 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 393 | Date of Summary: 23-APR-1979 | First Sample Examined: 0 |
| Lease Number: G03741 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8500 |
| API Well Number: 427064004700 | Drilling Operator: HOUSTON OIL & MINERALS CORPORA | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 89 |
| Public Info Code: Y 01-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3630 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4500 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 5520 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7400 / | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 393 | Date of Summary: 05-JAN-1980 | First Sample Examined: 0 |
| Lease Number: G03741 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10024 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 10024 |
| API Well Number: 427064005100 | Drilling Operator: HOUSTON OIL & MINERALS CORPORA | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 95 |
| Public Info Code: Y 01-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4000 / 4000 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4600 / 4600 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 5500 / 5500 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6400 / 6400 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 393 | Date of Summary: 29-NOV-1982 | First Sample Examined: 0 |
| Lease Number: G03741 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10695 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9545 |
| API Well Number: 427064007800 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 92 |
| Public Info Code: Y 01-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7283 / 6577 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8320 / 7458 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 9653 / 8634 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 393 | Date of Summary: 05-JAN-1983 | First Sample Examined: 0 |
| Lease Number: G03741 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10250 |
| Well Name: C001 | Paleo Done By: OPERATOR | Borehole TVD: 7620 |
| API Well Number: 427064004900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 95 |
| Public Info Code: Y 01-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 4600 / 3761 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5200 / 4155 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7800 / 5813 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 10200 / 7579 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GA 418 | Date of Summary: 03-AUG-1990 | First Sample Examined: 3050 |
| Lease Number: G08553 | Source of Paleo: OPERATOR | Borehole MD: 8000 |
| Well Name: A001 | Paleo Done By: DAVID L. DUNN | Borehole TVD: 8000 |
| API Well Number: 427064027300 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 3050 - 8000 | Water Depth: 97 |
| Public Info Code: Y 05-AUG-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 3050 / | DEF AT first sample examined | DEF AT 3 |
| 3051 / | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 3260 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 3350 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 4040 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 4250 / | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 4310 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 4340 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 4370 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 4610 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 6020 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 7310 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 7760 / | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 8000 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GA 418 | Date of Summary: 06-NOV-1990 | First Sample Examined: 3420 |
| Lease Number: G12509 | Source of Paleo: OPERATOR | Borehole MD: 9357 |
| Well Name: A002 | Paleo Done By: DAVID L. DUNN | Borehole TVD: 7432 |
| API Well Number: 427064028400 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 3420 - 9360 | Water Depth: 97 |
| Public Info Code: Y 26-JUN-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3420 / 2996 | DEF AT first sample examined | DEF AT 3 |
| 3421 / 2996 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 3960 / 3384 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 5310 / 4365 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 5730 / 4683 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 5820 / 4752 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 5910 / 4821 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 7680 / 6136 | DEF AT - - - - - | DEF AT 4 |
| 7740 / 6181 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 4 |
| 7770 / 6203 | DEF AT - - - - - | DEF AT 3 |
| 9360 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GA 465 | Date of Summary: 04-FEB-1986 | First Sample Examined: 5520 |
| Lease Number: G06116 | Source of Paleo: OPERATOR | Borehole MD: 14000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13818 |
| API Well Number: 427064010600 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 4530 - 14000 | Water Depth: 109 |
| Public Info Code: Y 12-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4530 / 4529 | DEF AT first sample examined | DEF AT |
| 5520 / 5519 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 6450 / 6449 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 2 |
| 7590 / 7589 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 8790 / 8789 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 12570 / 12557 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 2 |
| 13050 / 13016 | DEF AT - - - - - | DEF AT 4 |
| 13590 / 13482 | DEF AT - - - - - | DEF AT 6 |
| 14000 / 13818 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 465 | Date of Summary: 05-DEC-1985 | First Sample Examined: 0 |
| Lease Number: G06116 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9835 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9835 |
| API Well Number: 427064012500 | Drilling Operator: CLIFFS DRILLING COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 12-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7700 / 7700 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 9590 / 9590 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA 465 | Date of Summary: 08-JUN-1989 | First Sample Examined: 0 |
| Lease Number: G06116 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9215 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 8675 |
| API Well Number: 427064022600 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 113 |
| Public Info Code: Y 12-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8350 / 7961 | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA A 34 | Date of Summary: 05-AUG-1996 | First Sample Examined: 0 |
| Lease Number: G12514 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7465 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7201 |
| API Well Number: 427064037100 | Drilling Operator: DEVON SFS OPERATING INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 107 |
| Public Info Code: Y 23-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6845 / 6614 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GA A 34 | Date of Summary: 05-AUG-1996 | First Sample Examined: 0 |
| Lease Number: G12515 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9834 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 9169 |
| API Well Number: 427064036900 | Drilling Operator: DEVON SFS OPERATING INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 107 |
| Public Info Code: Y 19-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9033 / 6508 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GA A 160 | Date of Summary: 08-DEC-1998 | First Sample Examined: 4500 |
| Lease Number: G18922 | Source of Paleo: OPERATOR | Borehole MD: 11779 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11778 |
| API Well Number: 427074009900 | Drilling Operator: COCKRELL OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 11779 | Water Depth: 190 |
| Public Info Code: Y 23-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4500 / 4500 | DEF AT first sample examined | DEF AT 4 |
| 4501 / 4501 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 5820 / 5820 | POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 4 |
| 5880 / 5880 | DEF AT - - - - - | DEF AT 5 |
| 6360 / 6360 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 6750 / 6750 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 7140 / 7140 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 7170 / 7170 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 6 |
| 7260 / 7260 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 7350 / 7350 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 8760 / 8759 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 6 |
| 8910 / 8909 | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT 6 |
| 10590 / 10589 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 6 |
| 10620 / 10619 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 6 |
| 10680 / 10679 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 6 |
| 10950 / 10949 | POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 6 |
| 11779 / 11778 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 35 | Date of Summary: 29-NOV-1993 | First Sample Examined: 2250 |
| Lease Number: G10326 | Source of Paleo: OPERATOR | Borehole MD: 7277 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6294 |
| API Well Number: 608074012500 | Drilling Operator: EP OPERATING LIMITED PARTNER | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 2250 - 7277 | Water Depth: 467 |
| Public Info Code: Y 03-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 2250 / 2230 | DEF AT first sample examined | DEF AT 4 |
| 2700 / 2612 | DEF AT sample gap top | DEF AT |
| 2969 / 2826 | DEF AT sample gap bottom | DEF AT |
| 2970 / 2827 | DEF AT - - - - - | DEF AT 3 |
| 4320 / 3897 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 5970 / 5220 | DEF AT - - - - - | DEF AT 4 |
| 7277 / 6294 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GB 73 | Date of Summary: 28-MAY-1997 | First Sample Examined: 0 |
| Lease Number: G13364 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15270 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14414 |
| API Well Number: 608074016100 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 616 |
| Public Info Code: Y 27-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8220 / 8137 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 8640 / 8526 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 9120 / 8968 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 12930 / 12448 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 15080 / 14252 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 80 | Date of Summary: 29-OCT-1990 | First Sample Examined: 1650 |
| Lease Number: G11449 | Source of Paleo: OPERATOR | Borehole MD: 7050 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6879 |
| API Well Number: 608074007800 | Drilling Operator: ENSERCH EXPLORATION INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 1650 - 7050 | Water Depth: 534 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 1650 / 1650 | DEF AT first sample examined | DEF IN 3 |
| 2460 / 2460 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 5790 / 5650 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 3 |
| 5820 / 5678 | DEF AT faunal change (no faunal increase) | DEF IN 5 |
| 5940 / 5794 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 6420 / 6257 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 6630 / 6463 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 5 |
| 6750 / 6582 | DEF AT faunal change (no faunal increase) | DEF AT 6 |
| 6780 / 6612 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 7050 / 6881 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 80 | Date of Summary: 29-OCT-1990 | First Sample Examined: 1650 |
| Lease Number: G11449 | Source of Paleo: OPERATOR | Borehole MD: 7050 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6879 |
| API Well Number: 608074007800 | Drilling Operator: ENSERCH EXPLORATION INC | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 1650 - 7040 | Water Depth: 534 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 1650 / 1650 | DEF AT first sample examined | DEF AT |
| 1740 / 1740 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 2550 / 2550 | POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 5880 / 5736 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 5970 / 5823 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 6150 / 5997 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 6420 / 6257 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 6510 / 6345 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 6630 / 6463 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 6780 / 6612 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 6960 / 6791 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 7040 / 6871 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 119 | Date of Summary: 15-SEP-1995 | First Sample Examined: 1880 |
| Lease Number: G13811 | Source of Paleo: OPERATOR | Borehole MD: 15689 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14717 |
| API Well Number: 608074013900 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 1700 - 15690 | Water Depth: 622 |
| Public Info Code: Y 31-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 1880 / 1880 | DEF AT first sample examined | DEF AT 5 |
| 1940 / 1940 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 5 |
| 2000 / 2000 | DEF AT - - - - - | DEF AT 4 |
| 2300 / 2296 | DEF AT - - - - - | DEF AT 3 |
| 4310 / 4050 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6170 / 5568 | DEF AT - - - - - | DEF AT 4 |
| 6500 / 5838 | DEF AT - - - - - | DEF AT 5 |
| 7370 / 6569 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 5 |
| 9050 / 8110 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 9740 / 8778 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 10790 / 9822 | POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 11510 / 10541 | DEF AT - - - - - | DEF IN 5 |
| 14660 / 13688 | DEF AT - - - - - | DEF AT 5 |
| 15690 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: GB 165 | Date of Summary: 12-OCT-1992 | First Sample Examined: 2450 |
| Lease Number: G12635 | Source of Paleo: OPERATOR | Borehole MD: 18000 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 17953 |
| API Well Number: 608074009300 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 2450 - 18000 | Water Depth: 724 |
| Public Info Code: Y 30-NOV-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 2450 / 2450 | DEF AT first sample examined | DEF AT 3 |
| 2800 / 2800 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 3 |
| 4630 / 4630 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 3 |
| 4690 / 4690 | DEF AT - - - - - | DEF AT 5 |
| 4750 / 4750 | DEF AT gouge | POS AT 5 |
| 5854 / 5854 | DEF AT salt | DEF AT 5 |
| 12820 / 12797 | DEF AT base of salt | DEF AT 4 |
| 13719 / 13694 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 4 |
| 13720 / 13695 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 15890 / 15858 | DEF AT - - - - - | DEF AT 5 |
| 16030 / 15997 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 17440 / 17397 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 5 |
| 17560 / 17516 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme) | DEF AT 5 |
| 17650 / 17606 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 17980 / 17934 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 5 |
| 18000 / 17954 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 171 | Date of Summary: 04-OCT-1988 | First Sample Examined: 2290 |
| Lease Number: G09216 | Source of Paleo: OPERATOR | Borehole MD: 16115 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15074 |
| API Well Number: 608074080300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 4 | Sample Range: 2290 - 15940 | Water Depth: 1141 |
| Public Info Code: Y 02-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2290 / 2290 | DEF AT first sample examined | DEF IN 4 |
| 2320 / 2320 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF IN 4 |
| 3070 / 3070 | DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 5 |
| 3230 / 3230 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 4390 / 4390 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 4420 / 4420 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 7690 / 7690 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 5 |
| 8480 / 8480 | DEF AT anhydrite | DEF AT 5 |
| 9430 / 9430 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 9610 / 9610 | DEF AT local marker foram decrease | DEF AT 5 |
| 10780 / 10757 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 11230 / 11165 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 11950 / 11765 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 12100 / 11887 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 13270 / 12823 | DEF AT anhydrite | DEF AT 5 |
| 14109 / 13498 | DEF AT Eggerella sp. (local marker) | DEF AT 5 |
| 14110 / 13499 | DEF AT local white Arenaceous fauna | DEF AT 5 |
| 14260 / 13616 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 5 |
| 14620 / 13896 | DEF AT Bathysiphon fauna | DEF AT 5 |
| 14740 / 13990 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 14980 / 14180 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 15189 / 14348 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 171 | Date of Summary: 04-OCT-1988 | First Sample Examined: 2290 |
| Lease Number: G09216 | Source of Paleo: OPERATOR | Borehole MD: 16115 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15074 |
| API Well Number: 608074080300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 4 | Sample Range: 2290 - 15940 | Water Depth: 1141 |
| Public Info Code: Y 02-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 15190 / 14349 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 15940 / 14936 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GB 171 | Date of Summary: 04-OCT-1988 | First Sample Examined: 13660 |
| Lease Number: G09216 | Source of Paleo: OPERATOR | Borehole MD: 16115 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15074 |
| API Well Number: 608074080300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 2 of 4 | Sample Range: 13660 - 16110 | Water Depth: 1141 |
| Public Info Code: Y 02-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13660 / 13141 | DEF AT first sample examined | DEF AT 5 |
| 14860 / 14084 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 14890 / 14108 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 14910 / 14124 | DEF AT Eggerella sp. (local marker) | DEF AT 5 |
| 15040 / 14228 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 5 |
| 15160 / 14325 | DEF AT local marker foram increase | DEF AT 5 |
| 15340 / 14467 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 15460 / 14560 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 5 |
| 15700 / 14748 | DEF AT local marker planktic foram increase | DEF AT 5 |
| 16060 / 15030 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 5 |
| 16110 / 15070 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 171 | Date of Summary: 04-OCT-1988 | First Sample Examined: 2290 |
| Lease Number: G09216 | Source of Paleo: OPERATOR | Borehole MD: 16115 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15074 |
| API Well Number: 608074080300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 3 of 4 | Sample Range: 2290 - 15940 | Water Depth: 1141 |
| Public Info Code: Y 02-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 004 |

Remark: Calcareous nannofossil report for original hole

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 2290 / 2290 | DEF AT first sample examined | DEF AT |
| 3370 / 3370 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 4480 / 4480 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 9460 / 9460 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 10810 / 10785 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 11170 / 11112 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 12160 / 11935 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 12790 / 12440 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 14740 / 13990 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 15940 / 14936 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GB 171 | Date of Summary: 04-OCT-1988 | First Sample Examined: 13660 |
| Lease Number: G09216 | Source of Paleo: OPERATOR | Borehole MD: 16115 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15074 |
| API Well Number: 608074080300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 4 of 4 | Sample Range: 13660 - 16110 | Water Depth: 1141 |
| Public Info Code: Y 02-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 005 |

Remark: Calcareous nannofossil report for sidetrack

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13660 / 13141 | DEF AT first sample examined | DEF AT |
| 14920 / 14132 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 16110 / 15070 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GB 189 | Date of Summary: 19-NOV-1997 | First Sample Examined: 0 |
| Lease Number: G06358 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9195 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9189 |
| API Well Number: 608074005100 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 718 |
| Public Info Code: Y 22-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 2972 / 2972 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 4492 / 4492 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT |
| 7072 / 7072 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 8452 / 8450 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 8932 / 8928 | DEF AT local marker planktic foram increase | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: GB 189 | Date of Summary: 09-JUL-1989 | First Sample Examined: 4630 |
| Lease Number: G06358 | Source of Paleo: OPERATOR | Borehole MD: 8751 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7956 |
| API Well Number: 608074005500 | Drilling Operator: TEXACO INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 4630 - 8740 | Water Depth: 718 |
| Public Info Code: Y 28-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4630 / 4021 | DEF AT first sample examined | POS AT 5 |
| 4720 / 4091 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 5020 / 4340 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 5110 / 4418 | DEF AT ----- | DEF AT 4 |
| 5290 / 4578 | DEF AT ----- | DEF AT 3 |
| 5890 / 5136 | DEF AT ----- | DEF AT 4 |
| 6040 / 5280 | DEF AT ----- | DEF AT 3 |
| 6340 / 5570 | DEF AT ----- | DEF AT 4 |
| 6400 / 5629 | DEF AT ----- | DEF AT 3 |
| 7000 / 6222 | DEF AT ----- | DEF AT 4 |
| 7240 / 6460 | DEF AT ----- | DEF AT 3 |
| 7780 / 6996 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 8140 / 7352 | DEF AT ----- | DEF AT 3 |
| 8200 / 7412 | DEF AT ----- | DEF AT 4 |
| 8380 / 7590 | DEF AT ----- | DEF AT 3 |
| 8500 / 7709 | DEF AT local marker foram increase | DEF AT 4 |
| 8530 / 7739 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 4 |
| 8590 / 7798 | DEF AT ----- | DEF AT 3 |
| 8710 / 7917 | DEF AT gouge | DEF AT 5 |
| 8739 / 7946 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 8740 / 7947 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: GB 189 | Date of Summary: 10-JUL-1989 | First Sample Examined: 4630 |
| Lease Number: G06358 | Source of Paleo: OPERATOR | Borehole MD: 8751 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7956 |
| API Well Number: 608074005500 | Drilling Operator: TEXACO INC | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 4630 - 8710 | Water Depth: 718 |
| Public Info Code: Y 28-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4630 / 4021 | DEF AT first sample examined | DEF AT |
| 4690 / 4068 | POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 4900 / 4238 | DEF AT local marker floral decrease | DEF AT |
| 5110 / 4418 | DEF AT local marker floral increase | DEF AT |
| 5590 / 4854 | DEF AT floral flood | DEF AT |
| 5920 / 5165 | DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase) | DEF AT |
| 6310 / 5541 | DEF AT local marker floral decrease | DEF AT |
| 6490 / 5716 | DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela | DEF AT |
| 6610 / 5835 | DEF AT local marker floral increase | DEF AT |
| 6790 / 6013 | DEF AT local marker floral decrease | DEF AT |
| 8670 / 7878 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 8709 / 7916 | DEF AT gouge | DEF AT |
| 8710 / 7917 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: GB 189 | Date of Summary: 05-SEP-1989 | First Sample Examined: 2290 |
| Lease Number: G06358 | Source of Paleo: OPERATOR | Borehole MD: 13728 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 13040 |
| API Well Number: 608074005900 | Drilling Operator: TEXACO INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 2290 - 13720 | Water Depth: 718 |
| Public Info Code: Y 26-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2290 / 2289 | DEF AT first sample examined | DEF AT |
| 3010 / 3008 | DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase) | DEF AT |
| 3100 / 3097 | DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood) | DEF AT |
| 3190 / 3186 | POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 3610 / 3591 | DEF AT local marker floral decrease | DEF AT |
| 3790 / 3759 | DEF AT local marker floral increase | DEF AT |
| 4390 / 4311 | POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 4810 / 4703 | DEF AT local marker floral decrease | DEF AT |
| 4840 / 4731 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 5020 / 4899 | POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 6190 / 5995 | DEF AT local marker floral decrease | DEF AT |
| 10810 / 10348 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 11110 / 10626 | DEF AT local marker floral decrease | DEF AT |
| 11710 / 11175 | DEF AT local marker floral increase | DEF AT |
| 11890 / 11341 | DEF AT local marker floral decrease | DEF AT |
| 12910 / 12284 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 13210 / 12562 | POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum | DEF AT |
| 13690 / 13005 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: GB 189 | Date of Summary: 06-SEP-1989 | First Sample Examined: 2290 |
| Lease Number: G06358 | Source of Paleo: OPERATOR | Borehole MD: 13728 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 13040 |
| API Well Number: 608074005900 | Drilling Operator: TEXACO INC | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 2290 - 13720 | Water Depth: 718 |
| Public Info Code: Y 26-SEP-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2290 / 2289 | DEF AT first sample examined | DEF AT 2 |
| 2350 / 2349 | DEF AT - - - - - | DEF AT 1 |
| 2890 / 2888 | DEF AT local marker foram increase | DEF AT 3 |
| 3040 / 3038 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 3490 / 3477 | DEF AT - - - - - | DEF AT 3 |
| 3670 / 3648 | DEF IN Illinoian fauna (local marker) | DEF AT 4 |
| 3880 / 3842 | DEF AT - - - - - | DEF AT 3 |
| 4360 / 4284 | DEF AT local marker foram increase | DEF AT 4 |
| 4480 / 4395 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 4600 / 4507 | DEF AT - - - - - | DEF AT 3 |
| 4810 / 4703 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 5080 / 4955 | DEF AT - - - - - | DEF AT 3 |
| 5530 / 5376 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 7240 / 6970 | DEF AT transported shelf fauna | POS AT 3 |
| 7750 / 7446 | DEF AT - - - - - | DEF AT 3 |
| 8080 / 7757 | DEF AT - - - - - | DEF AT 4 |
| 8290 / 7956 | DEF AT - - - - - | DEF AT 2 |
| 8500 / 8155 | DEF AT - - - - - | DEF AT 3 |
| 8920 / 8555 | DEF AT local marker benthic foram increase | DEF AT 4 |
| 8950 / 8583 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 9100 / 8726 | DEF AT - - - - - | DEF AT 3 |
| 9280 / 8898 | DEF AT - - - - - | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: GB 189 | Date of Summary: 06-SEP-1989 | First Sample Examined: 2290 |
| Lease Number: G06358 | Source of Paleo: OPERATOR | Borehole MD: 13728 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 13040 |
| API Well Number: 608074005900 | Drilling Operator: TEXACO INC | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 2290 - 13720 | Water Depth: 718 |
| Public Info Code: Y 26-SEP-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9340 / 8955 | DEF AT ----- | DEF AT 3 |
| 10090 / 9667 | DEF AT ----- | DEF AT 4 |
| 10180 / 9752 | DEF AT ----- | DEF AT 3 |
| 10240 / 9809 | DEF AT ----- | DEF AT 4 |
| 10690 / 10235 | DEF AT ----- | DEF AT 3 |
| 10780 / 10320 | DEF AT ----- | DEF AT 4 |
| 10840 / 10376 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 10930 / 10460 | DEF AT ----- | DEF AT 3 |
| 10960 / 10488 | DEF AT ----- | DEF AT 4 |
| 10990 / 10515 | DEF AT ----- | DEF AT 3 |
| 11200 / 10709 | DEF AT ----- | DEF AT 4 |
| 11680 / 11148 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 11890 / 11341 | DEF AT ----- | DEF AT 3 |
| 12280 / 11700 | DEF AT ----- | DEF AT 4 |
| 12880 / 12256 | DEF AT ----- | DEF AT 3 |
| 13450 / 12784 | DEF AT ----- | DEF AT 4 |
| 13540 / 12867 | DEF AT ----- | DEF AT 3 |
| 13720 / 13032 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: GB 191 | Date of Summary: 15-AUG-1991 | First Sample Examined: 4500 |
| Lease Number: G11458 | Source of Paleo: OPERATOR | Borehole MD: 13347 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9812 |
| API Well Number: 608074062400 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 13320 | Water Depth: 720 |
| Public Info Code: Y 01-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4500 / 4048 | DEF AT first sample examined | DEF AT 4 |
| 4501 / 4048 | POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 6150 / 5112 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 6690 / 5460 | DEF AT ----- | DEF AT 3 |
| 7860 / 6181 | DEF AT ----- | DEF AT 2 |
| 8400 / 6515 | DEF AT ----- | DEF AT 3 |
| 11490 / 8534 | DEF AT ----- | DEF AT 2 |
| 13320 / 9792 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: GB 191 | Date of Summary: 15-AUG-1991 | First Sample Examined: 1560 |
| Lease Number: G11458 | Source of Paleo: OPERATOR | Borehole MD: 14756 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 12079 |
| API Well Number: 608074006400 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 1560 - 14730 | Water Depth: 721 |
| Public Info Code: Y 01-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 004 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1560 / 1560 | DEF AT first sample examined | DEF AT 3 |
| 2040 / 2040 | DEF AT ----- | DEF AT 2 |
| 3000 / 3000 | DEF AT ----- | DEF AT 3 |
| 3060 / 3060 | POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 5160 / 4794 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 6300 / 5497 | DEF AT ----- | DEF AT 3 |
| 6420 / 5572 | DEF AT ----- | DEF AT 2 |
| 8610 / 6950 | DEF AT ----- | DEF AT 3 |
| 8910 / 7155 | DEF AT ----- | DEF AT 4 |
| 9000 / 7218 | DEF AT ----- | DEF AT 3 |
| 9240 / 7390 | DEF AT ----- | DEF AT 2 |
| 11880 / 9542 | DEF AT ----- | DEF AT 3 |
| 12270 / 9872 | DEF AT ----- | DEF AT 2 |
| 14400 / 11743 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 14730 / 12048 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 208 | Date of Summary: 01-NOV-1991 | First Sample Examined: 3000 |
| Lease Number: G08222 | Source of Paleo: OPERATOR | Borehole MD: 14732 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14266 |
| API Well Number: 608074008700 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 2 | Sample Range: 3000 - 14730 | Water Depth: 1270 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Plio-Pleistocene reworking from 10350 to 10650 and 11520 to 11670, foram species abundance and diversity chart available, see report for details

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 3000 / 3000 | DEF AT first sample examined | DEF IN 4 |
| 4020 / 4020 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 4500 / 4500 | POS AT gouge | DEF AT 5 |
| 4501 / 4501 | POS AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 5 |
| 4530 / 4530 | POS IN Middle Miocene (Serravallian) Cibicides opima | DEF AT 6 |
| 5250 / 5250 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 5880 / 5880 | DEF AT - - - - - | DEF AT 5 |
| 7800 / 7800 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 8310 / 8310 | DEF AT - - - - - | DEF AT 4 |
| 10350 / 10349 | DEF AT reworked material | DEF AT 5 |
| 10530 / 10529 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 11520 / 11506 | DEF AT reworked material | DEF AT 5 |
| 11700 / 11679 | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 13080 / 12922 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 14730 / 14266 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 208 | Date of Summary: 01-NOV-1991 | First Sample Examined: 3000 |
| Lease Number: G08222 | Source of Paleo: OPERATOR | Borehole MD: 14732 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14266 |
| API Well Number: 608074008700 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 2 | Sample Range: 3000 - 14700 | Water Depth: 1270 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3000 / 3000 | DEF AT first sample examined | DEF AT |
| 4260 / 4260 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 4530 / 4530 | DEF AT gouge | DEF AT |
| 5250 / 5250 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 7770 / 7770 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 10410 / 10409 | DEF AT out-of-place section | DEF AT |
| 10500 / 10499 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 11670 / 11650 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 11760 / 11736 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 13170 / 12995 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 13320 / 13116 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 14700 / 14240 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GB 208 | Date of Summary: 01-NOV-1991 | First Sample Examined: 14610 |
| Lease Number: G08222 | Source of Paleo: OPERATOR | Borehole MD: 16600 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15762 |
| API Well Number: 608074008701 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 2 | Sample Range: 14610 - 16600 | Water Depth: 1270 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14610 / 14133 | DEF AT first sample examined | DEF AT 5 |
| 14700 / 14203 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 15690 / 15002 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 15810 / 15101 | DEF AT - - - - - | DEF AT 6 |
| 16600 / 15762 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GB 208 | Date of Summary: 01-NOV-1991 | First Sample Examined: 14610 |
| Lease Number: G08222 | Source of Paleo: OPERATOR | Borehole MD: 16600 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15762 |
| API Well Number: 608074008701 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 2 | Sample Range: 14610 - 16600 | Water Depth: 1270 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14610 / 14133 | DEF AT first sample examined | DEF AT |
| 15060 / 14489 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 15360 / 14732 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 15540 / 14878 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 15750 / 15051 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 15930 / 15201 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 16600 / 15762 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 208 | Date of Summary: 03-DEC-1991 | First Sample Examined: 3560 |
| Lease Number: G08222 | Source of Paleo: OPERATOR | Borehole MD: 8278 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7805 |
| API Well Number: 608074008702 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 2 | Sample Range: 3560 - 8277 | Water Depth: 1270 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3560 / 3560 | DEF AT first sample examined | DEF AT |
| 3561 / 3561 | DEF AT cement | DEF AT |
| 4010 / 4009 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 4370 / 4365 | POS AT gouge | DEF AT 5 |
| 4371 / 4366 | POS AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 5 |
| 4460 / 4453 | POS AT gouge | DEF AT 5 |
| 4461 / 4454 | POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 5 |
| 4550 / 4541 | DEF AT - - - - - | DEF AT 6 |
| 5360 / 5318 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 5990 / 5889 | DEF AT - - - - - | DEF AT 5 |
| 7550 / 7211 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 8277 / 7805 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 208 | Date of Summary: 04-DEC-1991 | First Sample Examined: 3560 |
| Lease Number: G08222 | Source of Paleo: OPERATOR | Borehole MD: 8278 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7805 |
| API Well Number: 608074008702 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 2 | Sample Range: 3560 - 8278 | Water Depth: 1270 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3560 / 3560 | DEF AT first sample examined | DEF AT |
| 4460 / 4453 | DEF AT out-of-place section | DEF AT |
| 5540 / 5485 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 7550 / 7211 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 7580 / 7236 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 8278 / 7806 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: GB 212 | Date of Summary: 10-AUG-1994 | First Sample Examined: 2670 |
| Lease Number: G13813 | Source of Paleo: OPERATOR | Borehole MD: 20340 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19161 |
| API Well Number: 608074012300 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 2670 - 20340 | Water Depth: 1474 |
| Public Info Code: Y 26-SEP-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2670 / 2670 | DEF AT first sample examined | DEF AT 4 |
| 2940 / 2940 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 3690 / 3690 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 4 |
| 6660 / 6660 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 9050 / 9050 | DEF AT ----- | DEF AT 5 |
| 9110 / 9110 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 5 |
| 9170 / 9170 | DEF AT ----- | DEF AT 4 |
| 11510 / 11509 | DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 4 |
| 11630 / 11629 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 11810 / 11809 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 12290 / 12289 | DEF AT ----- | DEF AT 5 |
| 12410 / 12409 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 5 |
| 12560 / 12559 | DEF AT ----- | DEF AT 4 |
| 13160 / 13157 | DEF AT ----- | DEF AT 5 |
| 13280 / 13275 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 5 |
| 13340 / 13333 | DEF AT ----- | DEF AT 4 |
| 14360 / 14245 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 14390 / 14270 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 4 |
| 16040 / 15649 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 17090 / 16550 | DEF AT ----- | DEF AT 5 |
| 17420 / 16835 | DEF AT ----- | DEF AT 4 |
| 18320 / 17595 | DEF AT ----- | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: GB 212 | Date of Summary: 10-AUG-1994 | First Sample Examined: 2670 |
| Lease Number: G13813 | Source of Paleo: OPERATOR | Borehole MD: 20340 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19161 |
| API Well Number: 608074012300 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 2670 - 20340 | Water Depth: 1474 |
| Public Info Code: Y 26-SEP-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 18440 / 17691 | DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 18560 / 17789 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 5 |
| 19760 / 18737 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 20340 / 19161 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 224 | Date of Summary: 06-SEP-1984 | First Sample Examined: 1830 |
| Lease Number: G06364 | Source of Paleo: OPERATOR | Borehole MD: 16000 |
| Well Name: 001 | Paleo Done By: WAYNE CAMPBELL | Borehole TVD: 15984 |
| API Well Number: 608074060200 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 1830 - 15990 | Water Depth: 741 |
| Public Info Code: Y 20-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1830 / 1830 | DEF AT first sample examined | DEF IN 3 |
| 3030 / 3030 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 5 |
| 3090 / 3090 | DEF AT local marker deep water fauna | DEF AT 6 |
| 3540 / 3540 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 3690 / 3690 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 4350 / 4350 | DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 5 |
| 4410 / 4410 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 4590 / 4590 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 5520 / 5519 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 8519 / 8517 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 8520 / 8518 | DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis | DEF AT 5 |
| 8700 / 8698 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 11160 / 11158 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 13530 / 13526 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 5 |
| 13710 / 13705 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 13770 / 13764 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 13800 / 13794 | DEF AT local marker foram decrease | DEF AT 5 |
| 14399 / 14392 | DEF AT Bathysiphon fauna | DEF AT 5 |
| 14400 / 14393 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 5 |
| 14550 / 14543 | DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus | DEF AT 5 |
| 14580 / 14573 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 14970 / 14963 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 224 | Date of Summary: 06-SEP-1984 | First Sample Examined: 1830 |
| Lease Number: G06364 | Source of Paleo: OPERATOR | Borehole MD: 16000 |
| Well Name: 001 | Paleo Done By: WAYNE CAMPBELL | Borehole TVD: 15984 |
| API Well Number: 608074060200 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 1830 - 15990 | Water Depth: 741 |
| Public Info Code: Y 20-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 15120 / 15113 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 15210 / 15202 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 5 |
| 15330 / 15322 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 15360 / 15352 | POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 5 |
| 15990 / 15975 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 224 | Date of Summary: 02-MAY-1985 | First Sample Examined: 3425 |
| Lease Number: G06364 | Source of Paleo: OPERATOR | Borehole MD: 9500 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9500 |
| API Well Number: 608074060600 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 3425 - 9500 | Water Depth: 808 |
| Public Info Code: Y 14-MAY-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3425 / 3425 | DEF AT first sample examined | DEF IN 5 |
| 4750 / 4750 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF IN 5 |
| 9500 / 9500 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 224 | Date of Summary: 02-MAY-1985 | First Sample Examined: 6810 |
| Lease Number: G06364 | Source of Paleo: OPERATOR | Borehole MD: 9018 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8207 |
| API Well Number: 608074060601 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 6810 - 9018 | Water Depth: 808 |
| Public Info Code: Y 29-MAY-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 6810 / 6809 | DEF AT first sample examined | DEF IN 5 |
| 9018 / 8205 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 224 | Date of Summary: 30-MAY-1985 | First Sample Examined: 1830 |
| Lease Number: G06364 | Source of Paleo: OPERATOR | Borehole MD: 8831 |
| Well Name: 004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8831 |
| API Well Number: 608074060900 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 1830 - 8831 | Water Depth: 714 |
| Public Info Code: Y 26-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 1830 / 1830 | DEF AT first sample examined | DEF IN 3 |
| 2700 / 2700 | DEF AT - - - - - | DEF AT 4 |
| 2940 / 2940 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 5 |
| 4140 / 4139 | DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 5 |
| 4260 / 4259 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 4740 / 4739 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 4800 / 4799 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 7290 / 7289 | DEF AT poor sample interval top | POS AT 5 |
| 7890 / 7889 | DEF AT poor sample interval bottom | POS AT 5 |
| 8831 / | DEF AT last sample examined | POS AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 235 | Date of Summary: 08-JUN-1993 | First Sample Examined: 3420 |
| Lease Number: G12645 | Source of Paleo: OPERATOR | Borehole MD: 12211 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9684 |
| API Well Number: 608074011800 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 3420 - 12210 | Water Depth: 787 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 3420 / 3369 | DEF AT first sample examined | POS AT 4 |
| 3421 / 3370 | DEF AT poor sample interval top | POS AT 4 |
| 4170 / 4001 | DEF AT poor sample interval bottom | DEF AT 4 |
| 4380 / 4154 | DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 5 |
| 4470 / 4218 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 5250 / 4771 | POS IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 5640 / 5045 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 11940 / 9488 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 12150 / 9640 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 12210 / 9683 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 235 | Date of Summary: 08-JUN-1993 | First Sample Examined: 8700 |
| Lease Number: G12645 | Source of Paleo: OPERATOR | Borehole MD: 12211 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9684 |
| API Well Number: 608074011800 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 3510 - 12210 | Water Depth: 787 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8700 / 7202 | DEF AT first sample examined | DEF AT |
| 11910 / 9467 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 12180 / 9661 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 12210 / 9683 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 235 | Date of Summary: 18-AUG-1993 | First Sample Examined: 7520 |
| Lease Number: G12645 | Source of Paleo: OPERATOR | Borehole MD: 13566 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9383 |
| API Well Number: 608074012100 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 2 | Sample Range: 7520 - 12830 | Water Depth: 785 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7520 / 6534 | DEF AT first sample examined | DEF AT 4 |
| 7521 / 6534 | DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 7522 / 6535 | POS IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 7700 / 6618 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 9560 / 7478 | DEF AT local marker deep water fauna | DEF AT 5 |
| 9710 / 7547 | POS AT local marker foram decrease | DEF AT 4 |
| 9770 / 7575 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 11690 / 8476 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 12830 / 9025 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 235 | Date of Summary: 19-AUG-1993 | First Sample Examined: 7520 |
| Lease Number: G12645 | Source of Paleo: OPERATOR | Borehole MD: 13566 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9383 |
| API Well Number: 608074012100 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 83 |
| Paleo Report Num: 2 of 2 | Sample Range: 7520 - 12830 | Water Depth: 785 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 7520 / 6534 | DEF AT first sample examined | DEF AT |
| 7521 / 6534 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 7700 / 6618 | DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase) | DEF AT |
| 8840 / 7152 | DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela | DEF AT |
| 9350 / 7384 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 12830 / 9025 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GB 235 | Date of Summary: 18-AUG-1993 | First Sample Examined: 11510 |
| Lease Number: G12645 | Source of Paleo: OPERATOR | Borehole MD: 14667 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9984 |
| API Well Number: 608074012101 | Drilling Operator: NERCO ENERGY CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 4 | Sample Range: 11510 - 14000 | Water Depth: 781 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Calcareous nannofossil report for sidetrack 1

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12200 / 8670 | DEF AT first sample examined | DEF AT |
| 12201 / 8670 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 13550 / 9317 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: GB 235 | Date of Summary: 19-AUG-1993 | First Sample Examined: 12200 |
| Lease Number: G12645 | Source of Paleo: OPERATOR | Borehole MD: 14667 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9984 |
| API Well Number: 608074012101 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 4 | Sample Range: 12200 - 13550 | Water Depth: 781 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report for sidetrack 2

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12200 / 8670 | DEF AT first sample examined | DEF AT |
| 12201 / 8670 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 13550 / 9317 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: GB 235 | Date of Summary: 12-OCT-1993 | First Sample Examined: 12200 |
| Lease Number: G12645 | Source of Paleo: OPERATOR | Borehole MD: 14667 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9984 |
| API Well Number: 608074012101 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 82 |
| Paleo Report Num: 3 of 4 | Sample Range: 12200 - 13550 | Water Depth: 781 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Foram report for sidetrack 1

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 12200 / 8670 | DEF AT first sample examined | DEF AT 4 |
| 12201 / 8670 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 13190 / 9098 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 13250 / 9131 | DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 4 |
| 13550 / 9317 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: GB 235 | Date of Summary: 12-OCT-1993 | First Sample Examined: 11510 |
| Lease Number: G12645 | Source of Paleo: OPERATOR | Borehole MD: 14667 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9984 |
| API Well Number: 608074012101 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 82 |
| Paleo Report Num: 4 of 4 | Sample Range: 11510 - 14000 | Water Depth: 781 |
| Public Info Code: Y 28-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 004 |

Remark: Sidetrack 2 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 11510 / 8386 | DEF AT first sample examined | DEF AT 4 |
| 14000 / 9586 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GB 240 | Date of Summary: 14-JAN-1990 | First Sample Examined: 4100 |
| Lease Number: G10342 | Source of Paleo: OPERATOR | Borehole MD: 12189 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12147 |
| API Well Number: 608074005700 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 4100 - 12189 | Water Depth: 832 |
| Public Info Code: Y 13-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4100 / 4100 | DEF AT first sample examined | DEF AT 5 |
| 4400 / 4400 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 8270 / 8229 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 10460 / 10419 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 12189 / 12148 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 253 | Date of Summary: 23-NOV-1993 | First Sample Examined: 4500 |
| Lease Number: G08226 | Source of Paleo: OPERATOR | Borehole MD: 20595 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19516 |
| API Well Number: 608074012200 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 4 | Sample Range: 4500 - 18867 | Water Depth: 1419 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4500 / 4495 | DEF AT first sample examined | DEF AT 4 |
| 4620 / 4615 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 4710 / 4705 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 5000 / 4995 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 11330 / 11277 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 5 |
| 14750 / 14057 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 17270 / 16331 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 18620 / 17585 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 18867 / 17817 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 253 | Date of Summary: 23-NOV-1993 | First Sample Examined: 4530 |
| Lease Number: G08226 | Source of Paleo: OPERATOR | Borehole MD: 20595 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19516 |
| API Well Number: 608074012200 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 4 | Sample Range: 4530 - 18867 | Water Depth: 1419 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4530 / 4525 | DEF AT first sample examined | DEF AT |
| 5060 / 5055 | POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 6890 / 6884 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 9170 / 9162 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 9230 / 9222 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 11330 / 11277 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 12980 / 12600 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 13670 / 13150 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 14210 / 13592 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 14750 / 14057 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 14810 / 14110 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 17270 / 16331 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 18110 / 17106 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 18170 / 17162 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 18620 / 17585 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 18867 / 17817 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GB 253 | Date of Summary: 23-NOV-1993 | First Sample Examined: 18400 |
| Lease Number: G08226 | Source of Paleo: OPERATOR | Borehole MD: 20595 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19516 |
| API Well Number: 608074012200 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 3 of 4 | Sample Range: 18400 - 20595 | Water Depth: 1419 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Redrill report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 18400 / 17378 | DEF AT first sample examined | DEF AT 5 |
| 18950 / 17895 | DEF AT anhydrite | DEF AT 5 |
| 18951 / 17896 | POS AT domal material | DEF AT |
| 20300 / 19224 | DEF AT sample gap top | DEF AT |
| 20420 / 19344 | DEF AT sample gap bottom | DEF AT |
| 20595 / 19519 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GB 253 | Date of Summary: 23-NOV-1993 | First Sample Examined: 18400 |
| Lease Number: G08226 | Source of Paleo: OPERATOR | Borehole MD: 20595 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19516 |
| API Well Number: 608074012200 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 4 of 4 | Sample Range: 18400 - 20595 | Water Depth: 1419 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark: Redrill calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 18400 / 17378 | DEF AT first sample examined | DEF AT |
| 18700 / 17660 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 18920 / 17867 | DEF AT out-of-place section | DEF AT |
| 20300 / 19224 | DEF AT sample gap top | DEF AT |
| 20420 / 19344 | DEF AT sample gap bottom | DEF AT |
| 20509 / 19433 | DEF IN condensed section | DEF AT |
| 20510 / 19434 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 20595 / 19519 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GB 269 | Date of Summary: 14-OCT-1996 | First Sample Examined: 0 |
| Lease Number: G12644 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16925 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15995 |
| API Well Number: 608074062800 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1102 |
| Public Info Code: Y 09-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 3000 / 3000 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 3420 / 3420 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4950 / 4950 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT |
| 8730 / 8729 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 11580 / 11569 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 12060 / 12025 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 15630 / 14935 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 16560 / 15694 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT |
| 16590 / 15719 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 16650 / 15768 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 269 | Date of Summary: 18-AUG-1998 | First Sample Examined: 9580 |
| Lease Number: G12644 | Source of Paleo: OPERATOR | Borehole MD: 14604 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 13465 |
| API Well Number: 608074062801 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 9580 - 14500 | Water Depth: 1102 |
| Public Info Code: Y 09-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 9580 / 9579 | DEF AT first sample examined | DEF AT |
| 10180 / 10161 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 10240 / 10218 | DEF AT local marker floral increase | DEF AT |
| 10900 / 10814 | DEF AT floral flood | DEF AT |
| 11680 / 11376 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 12160 / 11716 | DEF AT local marker floral increase | DEF AT |
| 12220 / 11758 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase) | DEF AT |
| 14260 / 13219 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 14500 / 13390 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 269 | Date of Summary: 29-AUG-1998 | First Sample Examined: 9580 |
| Lease Number: G12644 | Source of Paleo: OPERATOR | Borehole MD: 14604 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 13465 |
| API Well Number: 608074062801 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 9580 - 14500 | Water Depth: 1102 |
| Public Info Code: Y 09-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9580 / 9579 | DEF AT first sample examined | POS AT 4 |
| 10210 / 10189 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 10240 / 10218 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 10870 / 10789 | DEF AT local marker foram increase | DEF AT 4 |
| 11140 / 11004 | DEF AT pyrite | DEF AT 4 |
| 11170 / 11026 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11230 / 11069 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 11680 / 11376 | DEF AT local marker foram increase | DEF AT 4 |
| 11710 / 11397 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 11830 / 11482 | DEF AT transported inner shelf facies | POS AT 2 |
| 12130 / 11694 | DEF AT transported inner shelf facies | POS AT 2 |
| 12190 / 11737 | DEF AT local marker deep water fauna | DEF AT 5 |
| 14230 / 13197 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 14500 / 13390 | DEF AT last sample examined | POS AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 269 | Date of Summary: 05-MAR-1998 | First Sample Examined: 6380 |
| Lease Number: G12644 | Source of Paleo: OPERATOR | Borehole MD: 7275 |
| Well Name: 002 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 7077 |
| API Well Number: 608074064300 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 2 | Sample Range: 6380 - 7340 | Water Depth: 970 |
| Public Info Code: Y 09-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Mosquito Hawk Prospect, calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6380 / 6265 | DEF AT first sample examined | DEF AT |
| 6381 / 6266 | DEF IN Middle Pleistocene (Ionian) Gephyrocapsa parallela | DEF AT |
| 7340 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 269 | Date of Summary: 01-APR-1998 | First Sample Examined: 2330 |
| Lease Number: G12644 | Source of Paleo: OPERATOR | Borehole MD: 7275 |
| Well Name: 002 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 7077 |
| API Well Number: 608074064300 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 80 |
| Paleo Report Num: 2 of 2 | Sample Range: 2330 - 7280 | Water Depth: 970 |
| Public Info Code: Y 09-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 2330 / 2330 | DEF AT first sample examined | DEF AT 2 |
| 2331 / 2331 | DEF IN Illinoian fauna (local marker) | DEF AT 2 |
| 2810 / 2810 | DEF AT local marker benthic foram increase | DEF IN 1 |
| 3140 / 3140 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 3290 / 3290 | DEF AT local marker foram decrease | DEF IN 1 |
| 3590 / 3589 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 3680 / 3679 | DEF AT Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i> | DEF AT 3 |
| 3710 / 3709 | DEF AT faunal change (no faunal increase) | DEF IN 2 |
| 3740 / 3739 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 4100 / 4099 | DEF IN Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i> | DEF IN 3 |
| 4280 / 4279 | DEF AT local marker benthic foram increase | DEF IN 3 |
| 4340 / 4339 | DEF AT limestone | DEF IN 3 |
| 4400 / 4399 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 4520 / 4518 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 4550 / 4548 | POS AT Lower Pleistocene (Calabrian) <i>Hyalinea "B" = Trimosina "B"</i> | DEF AT 3 |
| 4880 / 4876 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 5450 / 5421 | DEF AT Lower Pleistocene (Calabrian) <i>Hyalinea "B" = Trimosina "B"</i> | DEF AT 3 |
| 5720 / 5668 | DEF AT faunal change (no faunal increase) | DEF IN 2 |
| 6140 / 6048 | DEF AT Lower Pleistocene (Calabrian) <i>Sphaeroidinella dehiscentes</i> (acme "B") | DEF AT 3 |
| 7280 / | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 269 | Date of Summary: 05-MAR-1998 | First Sample Examined: 7340 |
| Lease Number: G12644 | Source of Paleo: OPERATOR | Borehole MD: 12654 |
| Well Name: 002 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 11985 |
| API Well Number: 608074064301 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 2 | Sample Range: 7340 - 12620 | Water Depth: 970 |
| Public Info Code: Y 09-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Mosquito Hawk Prospect, calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 7340 / 7145 | DEF AT first sample examined | DEF AT |
| 7460 / 7252 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7520 / 7306 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 8600 / 8281 | DEF AT local marker floral increase | DEF AT |
| 9500 / 9099 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 11570 / 10991 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 12230 / 11598 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 12620 / 11954 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 269 | Date of Summary: 04-APR-1998 | First Sample Examined: 6440 |
| Lease Number: G12644 | Source of Paleo: OPERATOR | Borehole MD: 12654 |
| Well Name: 002 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 11985 |
| API Well Number: 608074064301 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 80 |
| Paleo Report Num: 2 of 2 | Sample Range: 6440 - 12650 | Water Depth: 970 |
| Public Info Code: Y 09-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6440 / 6335 | DEF AT first sample examined | DEF AT 2 |
| 7430 / 7225 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 3 |
| 7580 / 7360 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 3 |
| 7790 / 7548 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 8180 / 7898 | DEF AT local marker foram increase | DEF AT 2 |
| 8570 / 8254 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 8720 / 8390 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 8930 / 8581 | DEF AT local marker foram increase | DEF AT 3 |
| 9470 / 9072 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 9590 / 9181 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9770 / 9346 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 9920 / 9484 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 10010 / 9567 | DEF AT cement | DEF AT 3 |
| 10970 / 10444 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 11540 / 10964 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 3 |
| 12200 / 11570 | POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 3 |
| 12410 / 11762 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 3 |
| 12650 / 11981 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GB 275 | Date of Summary: 01-JUL-1997 | First Sample Examined: 0 |
| Lease Number: G15868 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9700 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9698 |
| API Well Number: 608074063000 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 625 |
| Public Info Code: Y 29-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 3930 / | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 4950 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5040 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 5160 / | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 5250 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 6180 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 7860 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8280 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8520 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8700 / | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GB 279 | Date of Summary: 27-OCT-1995 | First Sample Examined: 0 |
| Lease Number: G12645 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13761 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 13758 |
| API Well Number: 608074014100 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 858 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4330 / 4330 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 6710 / 6709 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 10820 / 10817 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 11470 / 11467 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 280 | Date of Summary: 14-OCT-1999 | First Sample Examined: 3945 |
| Lease Number: G14944 | Source of Paleo: OPERATOR | Borehole MD: 5981 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 5981 |
| API Well Number: 608074082300 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 2 | Sample Range: 3945 - 5980 | Water Depth: 582 |
| Public Info Code: Y 30-SEP-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3945 / 3945 | DEF AT first sample examined | DEF AT 5 |
| 4260 / 4260 | DEF AT faunal change (no faunal increase) | DEF IN 5 |
| 4410 / 4410 | DEF AT sample gap top | DEF AT |
| 4680 / 4680 | DEF AT sample gap bottom | DEF AT |
| 4770 / 4770 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 4890 / 4890 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 5 |
| 5160 / 5160 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 5490 / 5490 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF IN 5 |
| 5520 / 5520 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 5980 / 5974 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GB 280 | Date of Summary: 14-OCT-1999 | First Sample Examined: 3945 |
| Lease Number: G14944 | Source of Paleo: OPERATOR | Borehole MD: 5981 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 5981 |
| API Well Number: 608074082300 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 80 |
| Paleo Report Num: 2 of 2 | Sample Range: 3945 - 4020 | Water Depth: 582 |
| Public Info Code: Y 30-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3945 / 3945 | DEF AT first sample examined | DEF AT |
| 4020 / 4020 | DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 4170 / 4170 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 4410 / 4410 | DEF AT sample gap top | DEF AT |
| 4680 / 4680 | DEF AT sample gap bottom | DEF AT |
| 4770 / 4770 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 4860 / 4860 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 5100 / 5100 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 5220 / 5220 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 5490 / 5490 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 5980 / 5974 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GB 302 | Date of Summary: 28-FEB-1991 | First Sample Examined: 3770 |
| Lease Number: G09223 | Source of Paleo: OPERATOR | Borehole MD: 14906 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 14906 |
| API Well Number: 608074080700 | Drilling Operator: CONOCO INC | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 3 | Sample Range: 3770 - 14890 | Water Depth: 2411 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3770 / 3770 | DEF AT first sample examined | DEF AT 4 |
| 5950 / 5950 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 4 |
| 6100 / 6100 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 8140 / 8140 | DEF AT poor sample interval top | POS AT 4 |
| 8860 / 8860 | DEF AT poor sample interval bottom | DEF AT 1 |
| 11500 / 11499 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 12730 / 12729 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12910 / 12909 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 13030 / 13029 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 13210 / 13209 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13840 / 13839 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 14199 / 14197 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 4 |
| 14200 / 14198 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 14260 / 14258 | DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 14350 / 14348 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 14380 / 14378 | POS AT salt | POS AT 4 |
| 14890 / 14887 | DEF AT last sample examined | POS AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GB 302 | Date of Summary: 02-MAR-1991 | First Sample Examined: 3770 |
| Lease Number: G09223 | Source of Paleo: OPERATOR | Borehole MD: 14906 |
| Well Name: 001 | Paleo Done By: DAVID D. REIMERS | Borehole TVD: 14906 |
| API Well Number: 608074080700 | Drilling Operator: CONOCO INC | Rkb Elevation: 79 |
| Paleo Report Num: 2 of 3 | Sample Range: 3770 - 14860 | Water Depth: 2411 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5150 / 5150 | DEF AT first sample examined | DEF AT |
| 5151 / 5151 | POS IN Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood) | DEF AT |
| 5180 / 5180 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 5920 / 5920 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 11770 / 11769 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 13480 / 13479 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 13690 / 13689 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 14200 / 14198 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 14230 / 14228 | DEF AT Lower Pliocene (Zanclian) Discoaster variabilis | DEF AT |
| 14440 / 14438 | DEF AT reworked material | DEF AT |
| 14499 / 14497 | DEF AT reworked material | DEF AT |
| 14500 / 14498 | POS AT Upper Oligocene (Chattian) Dictyococcites bisectus | DEF AT |
| 14860 / 14857 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 302 | Date of Summary: 17-APR-1992 | First Sample Examined: 3770 |
| Lease Number: G09223 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 14906 |
| Well Name: 001 | Paleo Done By: ROBERT WITROCK | Borehole TVD: 14906 |
| API Well Number: 608074080700 | Drilling Operator: CONOCO INC | Rkb Elevation: 79 |
| Paleo Report Num: 3 of 3 | Sample Range: 3770 - 14890 | Water Depth: 2411 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 004 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3770 / 3770 | DEF AT first sample examined | DEF AT 4 |
| 3771 / 3771 | DEF AT gray shale | DEF AT 4 |
| 3772 / 3772 | DEF AT local marker foram increase | DEF AT 4 |
| 3830 / 3830 | DEF AT local marker foram decrease | DEF AT 4 |
| 3950 / 3950 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 4100 / 4100 | POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 4130 / 4130 | DEF AT foram flood | DEF IN 4 |
| 4280 / 4280 | POS AT local marker foram decrease | DEF IN 4 |
| 5180 / 5180 | DEF AT local marker planktic foram increase | DEF AT 5 |
| 5300 / 5300 | DEF AT drilling material | DEF AT 4 |
| 5330 / 5330 | POS AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 4 |
| 5800 / 5800 | DEF AT local marker foram increase | DEF AT 4 |
| 5830 / 5830 | DEF AT gray shale | DEF AT 4 |
| 5860 / 5860 | DEF AT local marker foram decrease | DEF AT 4 |
| 5950 / 5950 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 6100 / 6100 | DEF AT local marker planktic foram increase | DEF AT 5 |
| 6160 / 6160 | DEF AT local marker foram decrease | POS AT 5 |
| 6789 / 6789 | DEF AT gray shale | DEF AT 5 |
| 6790 / 6790 | DEF AT local marker foram increase | DEF AT 5 |
| 6850 / 6850 | DEF AT local marker foram decrease | POS AT 5 |
| 6970 / 6970 | DEF AT cement | POS AT 5 |
| 7120 / 7120 | POS AT local marker foram increase | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 302 | Date of Summary: 17-APR-1992 | First Sample Examined: 3770 |
| Lease Number: G09223 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 14906 |
| Well Name: 001 | Paleo Done By: ROBERT WITROCK | Borehole TVD: 14906 |
| API Well Number: 608074080700 | Drilling Operator: CONOCO INC | Rkb Elevation: 79 |
| Paleo Report Num: 3 of 3 | Sample Range: 3770 - 14890 | Water Depth: 2411 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 004 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7450 / 7450 | DEF AT local marker foram increase | DEF AT 4 |
| 7630 / 7630 | DEF AT local marker foram decrease | POS AT 4 |
| 7960 / 7960 | DEF AT gray shale | DEF AT 4 |
| 8050 / 8050 | DEF AT cement | POS AT 4 |
| 8170 / 8170 | DEF AT gray shale | POS AT 4 |
| 8920 / 8920 | DEF AT cement | POS AT 4 |
| 9670 / 9670 | DEF AT drilling material | POS AT 4 |
| 10210 / 10209 | DEF AT gray shale | POS AT 4 |
| 10330 / 10329 | DEF AT drilling material | POS AT 4 |
| 10510 / 10509 | DEF AT gray shale | POS AT 4 |
| 11890 / 11889 | DEF AT drilling material | POS AT 4 |
| 12880 / 12879 | DEF AT drilling material | POS AT 4 |
| 12910 / 12909 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscentes (acme "B") | DEF AT 5 |
| 12940 / 12939 | DEF AT gray shale | DEF AT 5 |
| 13480 / 13479 | DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 14200 / 14198 | POS AT Lower Pliocene (Zanclian) Sigmoina "P" / cf. schlumbergeri | DEF AT 5 |
| 14230 / 14228 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 14260 / 14258 | POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme) | DEF AT 5 |
| 14349 / 14347 | DEF AT gouge | DEF AT 5 |
| 14350 / 14348 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT 5 |
| 14380 / 14378 | DEF AT gypsum | POS AT 5 |
| 14381 / 14379 | DEF AT salt | POS AT 5 |
| 14860 / 14857 | DEF IN salt | POS AT 5 |
| 14890 / 14887 | DEF AT last sample examined | POS AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 388 | Date of Summary: 29-JUN-1989 | First Sample Examined: 3600 |
| Lease Number: G07486 | Source of Paleo: OPERATOR | Borehole MD: 9091 |
| Well Name: SA001 | Paleo Done By: OPERATOR | Borehole TVD: 9091 |
| API Well Number: 608074005400 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 3600 - 9090 | Water Depth: 2097 |
| Public Info Code: Y 15-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3600 / 3600 | DEF AT first sample examined | DEF IN 5 |
| 3720 / 3720 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF IN 5 |
| 3960 / 3960 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF IN 5 |
| 4680 / 4680 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF IN 5 |
| 6660 / 6660 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 8040 / 8040 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF IN 5 |
| 9010 / 9010 | POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF IN 5 |
| 9059 / 9059 | DEF AT domal material | DEF IN 5 |
| 9060 / 9060 | DEF AT anhydrite | DEF IN 5 |
| 9101 / | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 388 | Date of Summary: 01-JAN-1990 | First Sample Examined: 3730 |
| Lease Number: G08232 | Source of Paleo: OPERATOR | Borehole MD: 16612 |
| Well Name: SA003 | Paleo Done By: OPERATOR | Borehole TVD: 14695 |
| API Well Number: 608074005600 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 3730 - 16612 | Water Depth: 2097 |
| Public Info Code: Y 11-OCT-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3730 / 3730 | DEF AT first sample examined | DEF AT 5 |
| 3970 / 3967 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 4000 / 3997 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 5 |
| 4450 / 4429 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT 5 |
| 4800 / 4755 | DEF AT - - - - - | DEF AT 6 |
| 5130 / 5035 | DEF AT - - - - - | DEF AT 5 |
| 7210 / 6746 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 7690 / 7130 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT 5 |
| 11350 / 10123 | DEF AT - - - - - | DEF AT 6 |
| 11530 / 10270 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 6 |
| 11560 / 10295 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 6 |
| 12250 / 10858 | DEF AT - - - - - | DEF AT 5 |
| 13060 / 11533 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 5 |
| 13120 / 11584 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscentis (acme "B") | DEF AT 5 |
| 13240 / 11687 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 5 |
| 13250 / 11696 | DEF AT - - - - - | DEF AT 6 |
| 13600 / 11997 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 6 |
| 13690 / 12074 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 6 |
| 14000 / 12339 | DEF AT - - - - - | DEF AT 5 |
| 14890 / 13107 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 15490 / 13653 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 15573 / 13730 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 388 | Date of Summary: 01-JAN-1990 | First Sample Examined: 3730 |
| Lease Number: G08232 | Source of Paleo: OPERATOR | Borehole MD: 16612 |
| Well Name: SA003 | Paleo Done By: OPERATOR | Borehole TVD: 14695 |
| API Well Number: 608074005600 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 3730 - 16612 | Water Depth: 2097 |
| Public Info Code: Y 11-OCT-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 16000 / 14125 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 5 |
| 16100 / 14217 | DEF AT - - - - - | DEF AT 6 |
| 16120 / 14236 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 6 |
| 16390 / 14486 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 16420 / 14514 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT 6 |
| 16612 / 14692 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GB 426 | Date of Summary: 02-OCT-1989 | First Sample Examined: 4510 |
| Lease Number: G08241 | Source of Paleo: OPERATOR | Borehole MD: 17766 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17408 |
| API Well Number: 608074003700 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 4510 - 17760 | Water Depth: 2837 |
| Public Info Code: Y 24-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4510 / 4510 | DEF AT first sample examined | POS AT 4 |
| 4600 / 4600 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 11910 / 11906 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 13920 / 13827 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 4 |
| 15870 / 15609 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 15960 / 15692 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 16530 / 16227 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 17490 / 17142 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 17760 / 17402 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GB 426 | Date of Summary: 02-OCT-1989 | First Sample Examined: 11650 |
| Lease Number: G08241 | Source of Paleo: OPERATOR | Borehole MD: 20301 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19938 |
| API Well Number: 608074003701 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 11650 - 20301 | Water Depth: 2837 |
| Public Info Code: Y 03-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11650 / 11636 | DEF AT first sample examined | DEF AT 4 |
| 12130 / 12095 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 15800 / 15517 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 16010 / 15720 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 16340 / 16041 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 18200 / 17871 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 20301 / 19938 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 451 | Date of Summary: 21-APR-1998 | First Sample Examined: 5200 |
| Lease Number: G15898 | Source of Paleo: OPERATOR | Borehole MD: 9550 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7453 |
| API Well Number: 608074064400 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 2950 - 9550 | Water Depth: 1683 |
| Public Info Code: Y 28-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5200 / 5200 | DEF AT first sample examined | DEF AT |
| 5680 / 5677 | DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 8020 / 7758 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 9550 / 9058 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 451 | Date of Summary: 22-APR-1998 | First Sample Examined: 5200 |
| Lease Number: G15898 | Source of Paleo: OPERATOR | Borehole MD: 9550 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7453 |
| API Well Number: 608074064400 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 2950 - 9500 | Water Depth: 1683 |
| Public Info Code: Y 28-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 5200 / 5200 | DEF AT first sample examined | DEF AT |
| 5440 / 5439 | POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 5650 / 5648 | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT |
| 5680 / 5677 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 7600 / 7398 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 7690 / 7476 | DEF AT local marker benthic foram increase | DEF AT |
| 7780 / 7553 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT |
| 7900 / 7656 | POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT |
| 7960 / 7707 | POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT |
| 9500 / 9014 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 451 | Date of Summary: 21-APR-1998 | First Sample Examined: 8970 |
| Lease Number: G15898 | Source of Paleo: OPERATOR | Borehole MD: 19409 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18299 |
| API Well Number: 608074064402 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 2 | Sample Range: 8970 - 19409 | Water Depth: 1673 |
| Public Info Code: Y 28-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 8970 / 8511 | DEF AT first sample examined | DEF AT |
| 8971 / 8512 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 11189 / 10451 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 11190 / 10452 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 12420 / 11523 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 17790 / 16706 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 18480 / 17381 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 19409 / 18300 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 451 | Date of Summary: 22-APR-1998 | First Sample Examined: 8970 |
| Lease Number: G15898 | Source of Paleo: OPERATOR | Borehole MD: 19409 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18299 |
| API Well Number: 608074064402 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 74 |
| Paleo Report Num: 2 of 2 | Sample Range: 8970 - 19409 | Water Depth: 1673 |
| Public Info Code: Y 28-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8970 / 8511 | DEF AT first sample examined | DEF AT |
| 8971 / 8512 | DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 12390 / 11497 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 12420 / 11523 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 17790 / 16706 | DEF AT local marker foram increase | DEF AT |
| 19409 / 18300 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GB 471 | Date of Summary: 15-JUL-1999 | First Sample Examined: 14010 |
| Lease Number: G07493 | Source of Paleo: OPERATOR | Borehole MD: 16612 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15847 |
| API Well Number: 608074004501 | Drilling Operator: SHELL DEEPWATER PRODUCTION INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 12990 - 16590 | Water Depth: 2873 |
| Public Info Code: Y 30-JUL-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14010 / 13958 | DEF AT first sample examined | DEF AT |
| 14460 / 14320 | DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 15480 / 15092 | DEF IN Upper Pliocene (Gelasian) Discoaster brouweri | POS AT 4 |
| 15750 / 15281 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 16079 / 15505 | POS AT unconformity | DEF AT 4 |
| 16080 / 15506 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 16110 / 15526 | DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 4 |
| 16590 / 15833 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GB 471 | Date of Summary: 29-JUL-1987 | First Sample Examined: 4373 |
| Lease Number: G07498 | Source of Paleo: OPERATOR | Borehole MD: 16550 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16548 |
| API Well Number: 608074004500 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 3 | Sample Range: 4373 - 16530 | Water Depth: 2873 |
| Public Info Code: Y 26-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4373 / 4373 | DEF AT first sample examined | POS AT 5 |
| 4748 / 4748 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 5 |
| 12150 / 12149 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 15030 / 15029 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 5 |
| 15749 / 15748 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 5 |
| 15750 / 15749 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 16530 / 16528 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GB 471 | Date of Summary: 01-DEC-1987 | First Sample Examined: 16800 |
| Lease Number: G07498 | Source of Paleo: OPERATOR | Borehole MD: 16550 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16548 |
| API Well Number: 608074004500 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 3 of 3 | Sample Range: 16800 - 20760 | Water Depth: 2873 |
| Public Info Code: Y 26-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 2 report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 16800 / | DEF AT first sample examined | DEF AT 5 |
| 17460 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 18330 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 18930 / | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 20760 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GB 471 | Date of Summary: 15-JUL-1999 | First Sample Examined: 13920 |
| Lease Number: G08248 | Source of Paleo: OPERATOR | Borehole MD: 20760 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 20318 |
| API Well Number: 608074004502 | Drilling Operator: SHELL DEEPWATER PRODUCTION INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 12600 - 20760 | Water Depth: 2873 |
| Public Info Code: Y 29-NOV-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13920 / 13901 | DEF AT first sample examined | DEF AT |
| 14490 / 14437 | DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 15150 / 15057 | DEF IN Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 15570 / 15453 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 15571 / 15454 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT 4 |
| 15900 / 15763 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 4 |
| 15990 / 15847 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 15991 / 15848 | POS AT unconformity | DEF AT 4 |
| 16050 / 15904 | POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 4 |
| 17160 / 16943 | POS AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 4 |
| 17340 / 17114 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 17459 / 17227 | POS AT reworked material | DEF AT 4 |
| 17460 / 17228 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 18240 / 17977 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 18870 / 18585 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 19890 / 19545 | POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 20130 / 19764 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 20340 / 19952 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 20700 / 20266 | POS IN Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 20760 / 20318 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: GB 551 | Date of Summary: 14-JUN-1999 | First Sample Examined: 0 |
| Lease Number: G19138 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14360 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14354 |
| API Well Number: 608074020200 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 3674 |
| Public Info Code: Y 08-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8500 / 8499 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 551 | Date of Summary: 01-JAN-2000 | First Sample Examined: 5400 |
| Lease Number: G19138 | Source of Paleo: OPERATOR | Borehole MD: 14360 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14354 |
| API Well Number: 608074020200 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 5400 - 14360 | Water Depth: 3674 |
| Public Info Code: Y 08-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: South Sierra Prospect, company-integrated foram and nanno report (per phone conversation with Garry Jones 24 February 2000), 9510=Angulogerina ornata

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|-------------------------------------|----------|
| 5400 / 5400 | DEF AT first sample examined | DEF AT 2 |
| 5520 / 5520 | DEF AT ----- | DEF AT 5 |
| 5580 / 5580 | DEF AT ----- | DEF AT 2 |
| 5820 / 5820 | DEF AT ----- | DEF IN 4 |
| 5940 / 5940 | DEF AT ----- | DEF IN 2 |
| 6000 / 6000 | DEF AT ----- | DEF IN 4 |
| 6060 / 6060 | DEF AT ----- | DEF AT 3 |
| 6300 / 6300 | DEF AT ----- | DEF IN 4 |
| 6360 / 6359 | DEF AT ----- | DEF AT 4 |
| 6630 / 6629 | DEF AT ----- | DEF AT 2 |
| 6780 / 6779 | DEF AT ----- | DEF AT 3 |
| 6960 / 6959 | DEF AT ----- | DEF AT 1 |
| 6990 / 6989 | DEF AT ----- | DEF AT 4 |
| 7020 / 7019 | DEF AT ----- | DEF AT 2 |
| 7110 / 7109 | DEF AT ----- | DEF AT 4 |
| 7290 / 7289 | DEF AT local marker floral increase | DEF AT 4 |
| 7320 / 7319 | DEF AT ----- | DEF AT 2 |
| 7530 / 7529 | DEF AT local marker floral increase | DEF AT 2 |
| 7710 / 7709 | DEF AT ----- | DEF IN 4 |
| 7740 / 7739 | DEF AT ----- | DEF AT 4 |
| 7770 / 7769 | DEF AT ----- | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 551 | Date of Summary: 01-JAN-2000 | First Sample Examined: 5400 |
| Lease Number: G19138 | Source of Paleo: OPERATOR | Borehole MD: 14360 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14354 |
| API Well Number: 608074020200 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 5400 - 14360 | Water Depth: 3674 |
| Public Info Code: Y 08-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7860 / 7859 | DEF AT local marker floral increase | DEF AT 5 |
| 7890 / 7889 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 8010 / 8009 | DEF AT - - - - - | DEF IN 4 |
| 8100 / 8099 | DEF AT local marker floral increase | DEF IN 4 |
| 8310 / 8309 | DEF AT - - - - - | DEF AT 5 |
| 8430 / 8429 | DEF AT local marker floral increase | DEF IN 4 |
| 8580 / 8579 | DEF AT local marker floral increase | DEF IN 4 |
| 8700 / 8699 | DEF AT - - - - - | DEF AT 4 |
| 8760 / 8759 | DEF AT local marker floral increase | DEF AT 5 |
| 8790 / 8789 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 8940 / 8939 | DEF AT - - - - - | DEF AT 4 |
| 9090 / 9089 | DEF AT local marker floral increase | DEF IN 4 |
| 9240 / 9239 | DEF AT - - - - - | DEF AT 5 |
| 9270 / 9269 | DEF AT - - - - - | DEF AT 3 |
| 9330 / 9329 | DEF AT - - - - - | DEF AT 1 |
| 9450 / 9449 | DEF AT - - - - - | DEF AT 4 |
| 9510 / 9509 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 1 |
| 10140 / 10139 | DEF AT - - - - - | DEF IN 4 |
| 10200 / 10199 | DEF AT - - - - - | DEF AT 3 |
| 10380 / 10379 | DEF AT - - - - - | DEF IN 4 |
| 10410 / 10409 | DEF AT local marker floral increase | DEF IN 4 |
| 10500 / 10499 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 4 |
| 10650 / 10649 | DEF AT - - - - - | DEF AT 2 |
| 11027 / 11025 | DEF AT - - - - - | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 551 | Date of Summary: 01-JAN-2000 | First Sample Examined: 5400 |
| Lease Number: G19138 | Source of Paleo: OPERATOR | Borehole MD: 14360 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14354 |
| API Well Number: 608074020200 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 5400 - 14360 | Water Depth: 3674 |
| Public Info Code: Y 08-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|-------------------------------------|----------------|
| 11070 / 11067 | DEF AT ----- | DEF AT 4 |
| 11310 / 11306 | DEF AT ----- | DEF IN 4 |
| 12210 / 12205 | DEF AT ----- | DEF AT 4 |
| 12390 / 12385 | DEF AT ----- | DEF IN 4 |
| 12420 / 12415 | DEF AT local marker floral increase | DEF IN 4 |
| 12690 / 12685 | DEF AT local marker floral increase | DEF IN 4 |
| 12810 / 12804 | DEF AT ----- | DEF AT 2 |
| 13770 / 13764 | DEF AT ----- | DEF IN 4 |
| 13800 / 13794 | DEF AT local marker floral increase | DEF IN 4 |
| 14010 / 14004 | DEF AT ----- | DEF AT 4 |
| 14130 / 14124 | DEF AT ----- | DEF IN 4 |
| 14360 / 14354 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GB 785 | Date of Summary: 15-JUN-1998 | First Sample Examined: 6540 |
| Lease Number: G09240 | Source of Paleo: OPERATOR | Borehole MD: 12423 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 12416 |
| API Well Number: 608074018000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 6540 - 11670 | Water Depth: 4640 |
| Public Info Code: Y 22-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6540 / | DEF AT first sample examined | DEF AT |
| 6570 / | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT |
| 6600 / | DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela | DEF AT |
| 6870 / | DEF AT reworked material | DEF AT |
| 8670 / | DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 8910 / | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 9209 / | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT |
| 9210 / | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT |
| 10560 / | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 11669 / | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 11670 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: GB 785 | Date of Summary: 15-JUN-1998 | First Sample Examined: 12423 |
| Lease Number: G09240 | Source of Paleo: OPERATOR | Borehole MD: 17500 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 17228 |
| API Well Number: 608074018001 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 12423 - 17500 | Water Depth: 4640 |
| Public Info Code: Y 22-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report for sidetrack 1, nannospecies abundance and diversity chart available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12423 / 12418 | DEF AT first sample examined | DEF AT |
| 13500 / 13428 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 13560 / 13484 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscentes (acme "B") | DEF AT |
| 13589 / 13510 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 13590 / 13511 | DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase) | DEF AT |
| 13679 / 13594 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT |
| 13680 / 13594 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT |
| 13710 / 13622 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 13950 / 13843 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 14250 / 14122 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 14280 / 14150 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT |
| 14490 / 14346 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 14520 / 14374 | DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis | DEF AT |
| 15120 / 14937 | DEF AT reworked material | DEF AT |
| 15660 / 15440 | DEF AT local marker planktic foram increase | DEF AT |
| 16110 / 15872 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 16470 / 16223 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT |
| 16650 / 16399 | DEF AT Arenaceous fauna (local marker) | DEF AT |
| 16830 / 16575 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 17220 / 16955 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 17500 / 17228 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: GB 785 | Date of Summary: 15-JUN-1998 | First Sample Examined: 17520 |
| Lease Number: G09240 | Source of Paleo: OPERATOR | Borehole MD: 19403 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 18705 |
| API Well Number: 608074018002 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 17520 - 19404 | Water Depth: 4640 |
| Public Info Code: Y 22-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 17520 / 17167 | DEF AT first sample examined | DEF AT |
| 17521 / 17168 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 17700 / 17319 | DEF AT local marker planktic foram increase | DEF AT |
| 17789 / 17393 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 17790 / 17394 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT |
| 17940 / 17518 | DEF AT foram flood | DEF AT |
| 18329 / 17835 | DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis | DEF AT |
| 18330 / 17836 | DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba | DEF AT |
| 18630 / 18077 | DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |
| 19200 / 18537 | DEF AT local marker planktic foram increase | DEF AT |
| 19230 / 18562 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 19404 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: GB 920 | Date of Summary: 02-JUL-1999 | First Sample Examined: 13990 |
| Lease Number: G11592 | Source of Paleo: OPERATOR | Borehole MD: 19199 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19197 |
| API Well Number: 608074020700 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 13990 - 19198 | Water Depth: 5100 |
| Public Info Code: Y 29-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 13990 / 13989 | DEF AT first sample examined | DEF AT |
| 15400 / 15399 | DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 17050 / 17049 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 17080 / 17079 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 17260 / 17259 | POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 4 |
| 17950 / 17948 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 17980 / 17978 | DEF AT local marker foram increase | DEF AT 4 |
| 18160 / 18158 | DEF AT transported shelf fauna | DEF AT 2 |
| 18161 / 18159 | POS AT reworked material | DEF AT 2 |
| 18340 / 18338 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 18460 / 18458 | DEF AT drilling material | POS AT 4 |
| 18640 / 18638 | DEF AT local marker foram increase | DEF AT 4 |
| 19030 / 19028 | DEF AT transported shelf fauna | DEF AT 2 |
| 19031 / 19029 | POS AT reworked material | DEF AT 2 |
| 19060 / 19058 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 19090 / 19088 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 19180 / 19178 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: GB 920 | Date of Summary: 01-AUG-1999 | First Sample Examined: 13990 |
| Lease Number: G11592 | Source of Paleo: OPERATOR | Borehole MD: 19199 |
| Well Name: 001 | Paleo Done By: BUGWARE, INC. | Borehole TVD: 19197 |
| API Well Number: 608074020700 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 13990 - 19180 | Water Depth: 5100 |
| Public Info Code: Y 29-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 13990 / 13989 | DEF AT first sample examined | DEF AT |
| 13991 / 13990 | POS IN Lower Pleistocene (Calabrian) Lithostromation perdurum | DEF AT |
| 16000 / 15999 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 17170 / 17169 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 17500 / 17499 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 18010 / 18008 | POS AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 18310 / 18308 | DEF AT reworked material | DEF AT |
| 18340 / 18338 | POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae | DEF AT |
| 19000 / 18998 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 19030 / 19028 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 19090 / 19088 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 19180 / 19178 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 6 | Date of Summary: 15-JUL-1985 | First Sample Examined: 0 |
| Lease Number: G06987 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11104 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11100 |
| API Well Number: 608115002600 | Drilling Operator: TEXACO INC | Rkb Elevation: 63 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 717 |
| Public Info Code: Y 07-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6600 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 8700 / | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT |
| 9510 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 6 | Date of Summary: 09-SEP-1985 | First Sample Examined: 0 |
| Lease Number: G06987 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11496 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10407 |
| API Well Number: 608115003000 | Drilling Operator: TEXACO INC | Rkb Elevation: 63 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 670 |
| Public Info Code: Y 23-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6710 / 6226 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 10920 / 9888 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 9 | Date of Summary: 26-FEB-1998 | First Sample Examined: 4640 |
| Lease Number: G05873 | Source of Paleo: OPERATOR | Borehole MD: 13860 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13853 |
| API Well Number: 608114022300 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 4640 - 13860 | Water Depth: 470 |
| Public Info Code: Y 09-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4640 / 4640 | DEF AT first sample examined | DEF AT |
| 5510 / 5510 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 6140 / 6140 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 6800 / 6800 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 7130 / 7130 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 7400 / 7400 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 7430 / 7430 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 7640 / 7640 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 7970 / 7969 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 8120 / 8119 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 8300 / 8299 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 8540 / 8539 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 8840 / 8839 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 8930 / 8929 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 10280 / 10278 | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 11450 / 11447 | POS AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 11660 / 11656 | DEF AT Middle Miocene (Serravallian) Discoaster kugleri | DEF AT |
| 11690 / 11686 | POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis | DEF AT |
| 11720 / 11716 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT |
| 11750 / 11746 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme) | DEF AT |
| 11810 / 11806 | DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura | DEF AT |
| 11900 / 11896 | DEF AT Middle Miocene (Langhian) Discoaster calcosus | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 9 | Date of Summary: 26-FEB-1998 | First Sample Examined: 4640 |
| Lease Number: G05873 | Source of Paleo: OPERATOR | Borehole MD: 13860 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13853 |
| API Well Number: 608114022300 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 4640 - 13860 | Water Depth: 470 |
| Public Info Code: Y 09-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12050 / 12046 | DEF AT salt | DEF AT |
| 12680 / 12675 | DEF AT base of salt | DEF AT |
| 12681 / 12676 | POS AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 12930 / 12924 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 13230 / 13223 | POS IN Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 13710 / 13703 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 13860 / 13853 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 9 | Date of Summary: 04-MAR-1998 | First Sample Examined: 4640 |
| Lease Number: G05873 | Source of Paleo: OPERATOR | Borehole MD: 13860 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13853 |
| API Well Number: 608114022300 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 4640 - 13860 | Water Depth: 470 |
| Public Info Code: Y 09-NOV-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4640 / 4640 | DEF AT first sample examined | DEF AT 3 |
| 4790 / 4790 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4880 / 4880 | DEF AT - - - - - | DEF AT 4 |
| 5960 / 5960 | POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 6110 / 6110 | DEF AT - - - - - | POS AT 5 |
| 6140 / 6140 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 7400 / 7400 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7460 / 7460 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 5 |
| 7700 / 7700 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 7760 / 7760 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 8120 / 8119 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 8270 / 8269 | DEF AT faunal change (no faunal increase) | DEF AT 6 |
| 8300 / 8299 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 8840 / 8839 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 8930 / 8929 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 11420 / 11417 | POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 6 |
| 11719 / 11715 | DEF AT gouge | DEF AT 6 |
| 11720 / 11716 | POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 6 |
| 11869 / 11865 | DEF AT gouge | DEF AT 6 |
| 11870 / 11866 | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 6 |
| 11972 / 11968 | DEF AT anhydrite | DEF AT 6 |
| 12680 / 12675 | DEF AT base of salt | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 9 | Date of Summary: 04-MAR-1998 | First Sample Examined: 4640 |
| Lease Number: G05873 | Source of Paleo: OPERATOR | Borehole MD: 13860 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13853 |
| API Well Number: 608114022300 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 4640 - 13860 | Water Depth: 470 |
| Public Info Code: Y 09-NOV-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12681 / 12676 | POS IN Upper (Late) Miocene | DEF AT 6 |
| 12915 / 12909 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 13860 / 13853 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 9 | Date of Summary: 26-FEB-1998 | First Sample Examined: 13860 |
| Lease Number: G05873 | Source of Paleo: OPERATOR | Borehole MD: 16100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16089 |
| API Well Number: 608114022301 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 13860 - 16110 | Water Depth: 470 |
| Public Info Code: Y 09-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13860 / 13851 | DEF AT first sample examined | DEF AT |
| 13861 / 13852 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 14520 / 14510 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 15840 / 15829 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 16110 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 9 | Date of Summary: 04-MAR-1998 | First Sample Examined: 13860 |
| Lease Number: G05873 | Source of Paleo: OPERATOR | Borehole MD: 16100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16089 |
| API Well Number: 608114022301 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 13860 - 16100 | Water Depth: 470 |
| Public Info Code: Y 09-NOV-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13860 / 13851 | DEF AT first sample examined | DEF AT 5 |
| 13861 / 13852 | POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 16080 / 16069 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 16100 / 16089 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 18 | Date of Summary: 12-FEB-1985 | First Sample Examined: 0 |
| Lease Number: G04940 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12972 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 12089 |
| API Well Number: 608114003501 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 750 |
| Public Info Code: Y 22-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9690 / 9397 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT |
| 11500 / 10882 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 12370 / 11591 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 18 | Date of Summary: 01-JUL-1996 | First Sample Examined: 9160 |
| Lease Number: G04940 | Source of Paleo: OPERATOR | Borehole MD: 12265 |
| Well Name: A001 | Paleo Done By: GEORGE J. CONSTANCE, JR. | Borehole TVD: 12165 |
| API Well Number: 608114007400 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 155 |
| Paleo Report Num: 1 of 1 | Sample Range: 9160 - 10480 | Water Depth: 750 |
| Public Info Code: Y 09-SEP-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------------|----------------|
| 9160 / 9060 | DEF AT first sample examined | DEF AT 4 |
| 9250 / 9148 | DEF AT local marker foram increase | DEF AT 4 |
| 9370 / 9266 | DEF AT - - - - - | DEF AT 5 |
| 9400 / 9295 | DEF AT local marker foram increase | DEF AT 5 |
| 10480 / 10370 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 18 | Date of Summary: 29-DEC-1998 | First Sample Examined: 0 |
| Lease Number: G04940 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11653 |
| Well Name: A010 | Paleo Done By: OPERATOR | Borehole TVD: 11141 |
| API Well Number: 608114009700 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 155 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 760 |
| Public Info Code: Y 20-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, in=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7278 / 6845 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 9380 / 8890 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 9410 / 8920 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9800 / 9310 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 18 | Date of Summary: 22-AUG-1988 | First Sample Examined: 0 |
| Lease Number: G05809 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 19470 |
| Well Name: A008 | Paleo Done By: OPERATOR | Borehole TVD: 15408 |
| API Well Number: 608114009000 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 155 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 760 |
| Public Info Code: Y 13-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11960 / 9788 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 15590 / 12441 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 17120 / 13543 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |
| 18590 / 14654 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 18 | Date of Summary: 30-MAR-1989 | First Sample Examined: 0 |
| Lease Number: G05809 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 19050 |
| Well Name: A013 | Paleo Done By: OPERATOR | Borehole TVD: 15469 |
| API Well Number: 608114009900 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 155 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 760 |
| Public Info Code: Y 24-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11450 / 9700 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 15290 / 12625 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 18545 / 15108 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT |
| 18890 / 15369 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 18 | Date of Summary: 06-NOV-1989 | First Sample Examined: 0 |
| Lease Number: G05809 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18168 |
| Well Name: A014 | Paleo Done By: OPERATOR | Borehole TVD: 14425 |
| API Well Number: 608114011800 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 155 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 760 |
| Public Info Code: Y 22-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 15750 / 12349 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 16924 / 13350 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT |
| 16925 / 13350 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 52 | Date of Summary: 17-JUL-1984 | First Sample Examined: 1600 |
| Lease Number: G05884 | Source of Paleo: OPERATOR | Borehole MD: 7878 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7876 |
| API Well Number: 608115001900 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 1600 - 7870 | Water Depth: 628 |
| Public Info Code: Y 03-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 1600 / 1600 | DEF AT first sample examined | DEF AT 1 |
| 2290 / 2290 | POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 2 |
| 2680 / 2680 | DEF AT - - - - - | DEF AT 1 |
| 4990 / 4989 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 1 |
| 5770 / 5769 | DEF AT - - - - - | DEF AT 2 |
| 5950 / 5949 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 2 |
| 6940 / 6939 | DEF AT - - - - - | DEF AT 3 |
| 7390 / 7389 | DEF AT gypsum | POS AT 3 |
| 7391 / 7390 | DEF AT salt | POS AT 3 |
| 7870 / 7868 | DEF AT last sample examined | POS AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 52 | Date of Summary: 16-JAN-1985 | First Sample Examined: 1839 |
| Lease Number: G05884 | Source of Paleo: OPERATOR | Borehole MD: 6494 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6494 |
| API Well Number: 608115002000 | Drilling Operator: CONOCO INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 1839 - 6490 | Water Depth: 604 |
| Public Info Code: Y 20-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 1839 / 1839 | DEF AT first sample examined | POS AT 3 |
| 1840 / 1840 | DEF AT cement | POS AT 3 |
| 1990 / 1990 | DEF AT - - - - - | DEF AT 3 |
| 2080 / 2080 | POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 3 |
| 2410 / 2410 | DEF AT - - - - - | DEF AT 2 |
| 3160 / 3159 | DEF AT - - - - - | DEF AT 1 |
| 3730 / 3729 | DEF AT - - - - - | DEF AT 2 |
| 4000 / 3999 | DEF AT - - - - - | DEF AT 1 |
| 4720 / 4719 | DEF AT - - - - - | DEF AT 2 |
| 4840 / 4839 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 5110 / 5109 | DEF AT - - - - - | DEF AT 3 |
| 5170 / 5169 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 5470 / 5469 | DEF AT - - - - - | DEF AT 2 |
| 5950 / 5949 | DEF AT local marker (general) | DEF AT 3 |
| 6490 / 6489 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 52 | Date of Summary: 23-MAY-1985 | First Sample Examined: 1900 |
| Lease Number: G05884 | Source of Paleo: OPERATOR | Borehole MD: 6374 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6373 |
| API Well Number: 608115003100 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 1900 - 6372 | Water Depth: 607 |
| Public Info Code: Y 04-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Consultant-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 1900 / 1900 | DEF AT first sample examined | DEF AT 1 |
| 2200 / 2200 | POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 2 |
| 2890 / 2889 | DEF AT cement | POS AT 2 |
| 3220 / 3219 | DEF AT - - - - - | DEF AT 1 |
| 3640 / 3639 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 1 |
| 5270 / 5269 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 1 |
| 6110 / 6109 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 2 |
| 6200 / 6199 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 2 |
| 6230 / 6229 | DEF AT - - - - - | DEF AT 1 |
| 6289 / 6288 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | POS AT 1 |
| 6290 / 6289 | DEF AT gypsum | POS AT 1 |
| 6291 / 6290 | DEF IN salt | POS AT 1 |
| 6372 / 6371 | DEF AT last sample examined | POS AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 52 | Date of Summary: 23-MAY-1985 | First Sample Examined: 1900 |
| Lease Number: G05884 | Source of Paleo: OPERATOR | Borehole MD: 6374 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6373 |
| API Well Number: 608115003100 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 1900 - 6372 | Water Depth: 607 |
| Public Info Code: Y 04-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1900 / 1900 | DEF AT first sample examined | DEF AT |
| 3640 / 3639 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 6200 / 6199 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 6320 / 6319 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT |
| 6372 / 6371 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 53 | Date of Summary: 30-JAN-1985 | First Sample Examined: 3240 |
| Lease Number: G05885 | Source of Paleo: OPERATOR | Borehole MD: 6535 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6533 |
| API Well Number: 608115002300 | Drilling Operator: CONOCO INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 3240 - 6510 | Water Depth: 590 |
| Public Info Code: Y 26-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3240 / 3238 | DEF AT first sample examined | POS AT 1 |
| 3241 / 3239 | DEF AT cement | POS AT 1 |
| 3360 / 3358 | DEF AT - - - - - | DEF AT 1 |
| 4290 / 4288 | DEF AT - - - - - | DEF AT 3 |
| 4470 / 4468 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4530 / 4528 | POS AT drilling material | DEF AT 2 |
| 4800 / 4798 | DEF AT - - - - - | DEF AT 3 |
| 4920 / 4918 | DEF AT drilling material | POS AT 3 |
| 5070 / 5068 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 2 |
| 5160 / 5158 | DEF AT drilling material | POS AT 2 |
| 5640 / 5638 | DEF AT - - - - - | DEF AT 2 |
| 6150 / 6148 | DEF AT - - - - - | DEF AT 3 |
| 6210 / 6208 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6449 / 6447 | DEF AT gypsum | DEF AT 3 |
| 6450 / 6448 | POS AT salt | POS AT 3 |
| 6510 / 6508 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 53 | Date of Summary: 18-SEP-1985 | First Sample Examined: 1750 |
| Lease Number: G05885 | Source of Paleo: OPERATOR | Borehole MD: 7200 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7200 |
| API Well Number: 608115003200 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 1750 - 7200 | Water Depth: 544 |
| Public Info Code: Y 05-OCT-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Consultant-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1750 / | DEF AT first sample examined | DEF AT 3 |
| 1960 / | DEF AT ----- | DEF AT 1 |
| 2980 / | DEF AT ----- | DEF AT 3 |
| 3310 / | DEF AT ----- | DEF AT 1 |
| 4300 / | DEF AT ----- | DEF AT 3 |
| 4480 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4600 / | DEF AT ----- | DEF AT 2 |
| 5310 / | DEF AT ----- | DEF AT 3 |
| 5549 / | POS AT unconformity | DEF AT 3 |
| 5550 / | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 5551 / | DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 3 |
| 6000 / | DEF AT drilling material | POS AT 3 |
| 6449 / | POS AT unconformity | DEF AT 4 |
| 6450 / | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 6509 / | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 4 |
| 6510 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 7120 / | DEF AT gypsum | POS AT 4 |
| 7121 / | DEF AT salt | POS AT 4 |
| 7200 / | DEF AT last sample examined | POS AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 53 | Date of Summary: 18-SEP-1985 | First Sample Examined: 1750 |
| Lease Number: G05885 | Source of Paleo: OPERATOR | Borehole MD: 7200 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7200 |
| API Well Number: 608115003200 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 1750 - 7200 | Water Depth: 544 |
| Public Info Code: Y 05-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1750 / | DEF AT first sample examined | DEF AT |
| 5550 / | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 6450 / | DEF AT Lower Pliocene (Zanclian) Discoaster intercalaris | DEF AT |
| 7200 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 53 | Date of Summary: 19-JAN-1987 | First Sample Examined: 1820 |
| Lease Number: G05885 | Source of Paleo: OPERATOR | Borehole MD: 4703 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 4702 |
| API Well Number: 608115004200 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 1820 - 4703 | Water Depth: 650 |
| Public Info Code: Y 30-JAN-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1820 / | DEF AT first sample examined | POS AT 3 |
| 1821 / | DEF AT cement | POS AT 3 |
| 1930 / | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 3 |
| 2590 / | DEF AT - - - - - | DEF AT 1 |
| 2980 / | DEF AT cement | DEF AT 3 |
| 3340 / | DEF AT - - - - - | DEF AT 1 |
| 3880 / | DEF AT - - - - - | DEF AT 2 |
| 4000 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 4150 / | DEF AT - - - - - | DEF AT 3 |
| 4690 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 4703 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 53 | Date of Summary: 19-JAN-1987 | First Sample Examined: 1820 |
| Lease Number: G05885 | Source of Paleo: OPERATOR | Borehole MD: 4703 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 4702 |
| API Well Number: 608115004200 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 1820 - 4703 | Water Depth: 650 |
| Public Info Code: Y 30-JAN-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1820 / | DEF AT first sample examined | DEF AT |
| 4030 / | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 4703 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 53 | Date of Summary: 19-JAN-1987 | First Sample Examined: 3085 |
| Lease Number: G05885 | Source of Paleo: OPERATOR | Borehole MD: 3972 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 3951 |
| API Well Number: 608115004201 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 3085 - 3975 | Water Depth: 562 |
| Public Info Code: Y 07-FEB-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3085 / 3085 | DEF AT first sample examined | DEF AT 2 |
| 3086 / 3086 | POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 2 |
| 3320 / 3318 | DEF AT - - - - | DEF AT 1 |
| 3975 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 53 | Date of Summary: 19-JAN-1987 | First Sample Examined: 3085 |
| Lease Number: G05885 | Source of Paleo: OPERATOR | Borehole MD: 3972 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 3951 |
| API Well Number: 608115004201 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 3085 - 3975 | Water Depth: 562 |
| Public Info Code: Y 07-FEB-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3085 / 3085 | DEF AT first sample examined | DEF AT |
| 3200 / 3199 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 3975 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 64 | Date of Summary: 28-MAR-1985 | First Sample Examined: 5632 |
| Lease Number: G07005 | Source of Paleo: OPERATOR | Borehole MD: 18000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17923 |
| API Well Number: 608114003100 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 5632 - 18000 | Water Depth: 1343 |
| Public Info Code: Y 22-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5632 / 5632 | DEF AT first sample examined | DEF AT |
| 12635 / 12622 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 15339 / 15322 | POS IN Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 18000 / 17976 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 64 | Date of Summary: 28-MAR-1985 | First Sample Examined: 12395 |
| Lease Number: G07005 | Source of Paleo: OPERATOR | Borehole MD: 13340 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13202 |
| API Well Number: 608114003101 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 12395 - 13340 | Water Depth: 1343 |
| Public Info Code: Y 12-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12395 / 12324 | DEF AT first sample examined | DEF AT |
| 12700 / 12606 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 13340 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 72 | Date of Summary: 08-SEP-1986 | First Sample Examined: 3000 |
| Lease Number: G05896 | Source of Paleo: OPERATOR | Borehole MD: 14426 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 14425 |
| API Well Number: 608114005600 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 47 |
| Paleo Report Num: 1 of 2 | Sample Range: 3000 - 12240 | Water Depth: 1910 |
| Public Info Code: Y 10-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3000 / 3000 | DEF AT first sample examined | DEF AT |
| 8490 / 8489 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 9510 / 9509 | DEF AT - - - - - | DEF AT 3 |
| 9710 / 9709 | DEF AT - - - - - | DEF AT 5 |
| 9870 / 9869 | DEF AT - - - - - | DEF AT 4 |
| 10007 / 10006 | DEF AT - - - - - | DEF AT 5 |
| 10020 / 10019 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 11700 / 11699 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 11760 / 11759 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 12240 / 12239 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 72 | Date of Summary: 08-SEP-1986 | First Sample Examined: 11730 |
| Lease Number: G05896 | Source of Paleo: OPERATOR | Borehole MD: 14426 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 14425 |
| API Well Number: 608114005600 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 47 |
| Paleo Report Num: 2 of 2 | Sample Range: 11730 - 14430 | Water Depth: 1910 |
| Public Info Code: Y 10-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11730 / 11729 | DEF AT first sample examined | DEF AT 5 |
| 11731 / 11730 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 11760 / 11759 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 12960 / 12959 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 13110 / 13109 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 5 |
| 14430 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 73 | Date of Summary: 25-APR-1987 | First Sample Examined: 10160 |
| Lease Number: G05897 | Source of Paleo: OPERATOR | Borehole MD: 12000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12000 |
| API Well Number: 608114004800 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 3053 - 11999 | Water Depth: 1981 |
| Public Info Code: Y 09-AUG-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10160 / 10160 | DEF AT first sample examined | POS AT 5 |
| 11875 / 11874 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 11999 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 73 | Date of Summary: 25-APR-1987 | First Sample Examined: 11775 |
| Lease Number: G05897 | Source of Paleo: OPERATOR | Borehole MD: 14500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14417 |
| API Well Number: 608114004802 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 11206 - 14500 | Water Depth: 1981 |
| Public Info Code: Y 17-OCT-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11775 / 11756 | DEF AT first sample examined | DEF AT 4 |
| 11953 / 11934 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 13370 / 13335 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 14500 / 14417 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 73 | Date of Summary: 27-FEB-1986 | First Sample Examined: 11206 |
| Lease Number: G05905 | Source of Paleo: OPERATOR | Borehole MD: 12157 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11992 |
| API Well Number: 608114004801 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 11206 - 14500 | Water Depth: 1981 |
| Public Info Code: Y 21-AUG-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11206 / 11170 | DEF AT first sample examined | POS AT 5 |
| 11953 / 11821 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 13370 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 14500 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 92 | Date of Summary: 12-FEB-1990 | First Sample Examined: 2420 |
| Lease Number: G05898 | Source of Paleo: OPERATOR | Borehole MD: 14000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14000 |
| API Well Number: 608114014600 | Drilling Operator: BP OIL CORPORATION | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 2420 - 13850 | Water Depth: 786 |
| Public Info Code: Y 05-MAR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 2420 / | DEF AT first sample examined | DEF AT 3 |
| 3410 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 3530 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 4220 / | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 3 |
| 4550 / | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 3 |
| 5501 / | DEF AT cement | POS AT 3 |
| 6140 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 6260 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 7610 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 7730 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 8420 / | POS AT faunal change (no faunal increase) | DEF AT 3 |
| 9770 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10000 / | DEF AT cement | POS AT 4 |
| 10460 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10580 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 11190 / | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 3 |
| 11990 / | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 12380 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 12560 / | POS AT faunal change (no faunal increase) | DEF AT 4 |
| 13430 / | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 4 |
| 13850 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 97 | Date of Summary: 28-MAR-1985 | First Sample Examined: 2000 |
| Lease Number: G05091 | Source of Paleo: OPERATOR | Borehole MD: 8009 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8009 |
| API Well Number: 608115002400 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 32 |
| Paleo Report Num: 1 of 1 | Sample Range: 2000 - 8010 | Water Depth: 777 |
| Public Info Code: Y 03-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 2000 / | DEF AT first sample examined | DEF AT 4 |
| 6930 / | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 7680 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 7890 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 8010 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 97 | Date of Summary: 08-AUG-1988 | First Sample Examined: 2570 |
| Lease Number: G05091 | Source of Paleo: OPERATOR | Borehole MD: 16500 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 14849 |
| API Well Number: 608115005500 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 2570 - 16300 | Water Depth: 884 |
| Public Info Code: Y 05-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2570 / 2570 | DEF AT first sample examined | DEF AT 2 |
| 2571 / 2571 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 2 |
| 2810 / 2810 | DEF AT - - - - - | DEF AT 4 |
| 4460 / 4460 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 7480 / 7220 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 7970 / 7633 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 10060 / 9399 | DEF AT - - - - - | DEF IN 4 |
| 10240 / 9550 | DEF AT reworked material | DEF IN 4 |
| 12550 / 11496 | DEF AT - - - - - | DEF AT 5 |
| 13120 / 11982 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 14140 / 12859 | DEF AT - - - - - | DEF IN 5 |
| 14770 / 13397 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 16300 / 14684 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 97 | Date of Summary: 08-AUG-1988 | First Sample Examined: 6840 |
| Lease Number: G05091 | Source of Paleo: OPERATOR | Borehole MD: 10430 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10091 |
| API Well Number: 608115005501 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 6840 - 10430 | Water Depth: 884 |
| Public Info Code: Y 24-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6840 / 6837 | DEF AT first sample examined | DEF AT 3 |
| 6841 / 6838 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 7890 / 7885 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 8850 / 8843 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 10290 / 10281 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT 5 |
| 10430 / 10420 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 97 | Date of Summary: 08-AUG-1988 | First Sample Examined: 8260 |
| Lease Number: G05091 | Source of Paleo: OPERATOR | Borehole MD: 10300 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9972 |
| API Well Number: 608115005502 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 8260 - 10300 | Water Depth: 884 |
| Public Info Code: Y 31-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8260 / 8242 | DEF AT first sample examined | DEF AT 4 |
| 8261 / 8243 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 8380 / 8359 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 10180 / 10072 | POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF IN 4 |
| 10270 / 10158 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF IN 4 |
| 10300 / 10186 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 97 | Date of Summary: 08-AUG-1988 | First Sample Examined: 8370 |
| Lease Number: G05091 | Source of Paleo: OPERATOR | Borehole MD: 10040 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8953 |
| API Well Number: 608115005503 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 8370 - 10020 | Water Depth: 884 |
| Public Info Code: Y 17-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8370 / 7808 | DEF AT first sample examined | DEF AT 4 |
| 8371 / 7809 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 8550 / 7937 | POS IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 9960 / 8902 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF IN 4 |
| 10020 / 8940 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 97 | Date of Summary: 08-AUG-1988 | First Sample Examined: 9890 |
| Lease Number: G05091 | Source of Paleo: OPERATOR | Borehole MD: 10187 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9081 |
| API Well Number: 608115005504 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 9890 - 10190 | Water Depth: 884 |
| Public Info Code: Y 22-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9890 / 8869 | DEF AT first sample examined | DEF IN 4 |
| 9891 / 8870 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF IN 4 |
| 10190 / | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 98 | Date of Summary: 11-JUN-1984 | First Sample Examined: 1990 |
| Lease Number: G05092 | Source of Paleo: OPERATOR | Borehole MD: 8000 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7994 |
| API Well Number: 608115001500 | Drilling Operator: CONOCO INC | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 1990 - 8000 | Water Depth: 853 |
| Public Info Code: Y 07-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1990 / | DEF AT first sample examined | DEF AT 1 |
| 2830 / | POS IN Pleistocene | DEF AT 3 |
| 3040 / | DEF AT - - - - - | DEF AT 2 |
| 3550 / | DEF AT - - - - - | DEF AT 1 |
| 5740 / | DEF AT - - - - - | DEF AT 3 |
| 6070 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 6190 / | DEF AT - - - - - | DEF AT 2 |
| 6910 / | DEF AT - - - - - | DEF AT 1 |
| 7660 / | DEF AT gypsum | DEF AT |
| 7661 / | DEF AT salt | DEF AT |
| 8000 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 98 | Date of Summary: 11-JUN-1984 | First Sample Examined: 7060 |
| Lease Number: G05092 | Source of Paleo: OPERATOR | Borehole MD: 13159 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 12151 |
| API Well Number: 608115001501 | Drilling Operator: CONOCO INC | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 7060 - 13150 | Water Depth: 853 |
| Public Info Code: Y 26-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: 8830 and 10360 = possible salt overhang

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 7060 / 7055 | DEF AT first sample examined | DEF AT 1 |
| 7720 / 7689 | DEF AT - - - - - | DEF AT 2 |
| 7839 / 7801 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 2 |
| 7840 / 7802 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 2 |
| 8259 / 8198 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 4 |
| 8260 / 8199 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 8440 / 8368 | DEF AT sample gap top | POS AT 4 |
| 8560 / 8480 | DEF AT sample gap bottom | DEF AT 2 |
| 8830 / 8729 | DEF AT gypsum | DEF AT 2 |
| 9340 / 9186 | DEF AT - - - - - | DEF AT 3 |
| 10360 / 10026 | DEF AT gypsum | DEF AT |
| 11950 / 11323 | DEF AT cement | DEF AT |
| 13150 / 12145 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 98 | Date of Summary: 14-DEC-1988 | First Sample Examined: 2300 |
| Lease Number: G05092 | Source of Paleo: OPERATOR | Borehole MD: 13733 |
| Well Name: 002 | Paleo Done By: DAVID D. REIMERS | Borehole TVD: 13716 |
| API Well Number: 608115006300 | Drilling Operator: CONOCO INC | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 2 | Sample Range: 2300 - 13733 | Water Depth: 1029 |
| Public Info Code: Y 04-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 2300 / 2300 | DEF AT first sample examined | DEF AT |
| 2301 / 2301 | DEF AT reworked material | DEF AT |
| 4550 / 4546 | POS AT local marker floral increase | DEF AT |
| 4880 / 4874 | DEF AT local marker floral decrease | DEF AT |
| 5300 / 5294 | POS AT local marker floral increase | DEF AT |
| 7790 / 7783 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7939 / 7932 | POS AT reworked material | DEF AT |
| 7940 / 7933 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 9740 / 9732 | DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 10250 / 10242 | POS AT local marker floral increase | DEF AT |
| 12800 / 12789 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 12890 / 12878 | POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 12950 / 12938 | DEF AT local marker floral decrease | DEF AT |
| 13700 / 13683 | POS IN Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 13733 / 13716 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 98 | Date of Summary: 31-JAN-1989 | First Sample Examined: 2300 |
| Lease Number: G05092 | Source of Paleo: OPERATOR | Borehole MD: 13733 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13716 |
| API Well Number: 608115006300 | Drilling Operator: CONOCO INC | Rkb Elevation: 74 |
| Paleo Report Num: 2 of 2 | Sample Range: 2300 - 13730 | Water Depth: 1029 |
| Public Info Code: Y 04-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 2300 / 2300 | DEF AT first sample examined | POS AT 2 |
| 2301 / 2301 | DEF AT cement | DEF AT 2 |
| 2540 / 2540 | DEF AT - - - - - | DEF AT 2 |
| 2720 / 2720 | DEF AT - - - - - | DEF AT 1 |
| 2900 / 2900 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 3 |
| 5300 / 5294 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6170 / 6163 | DEF AT - - - - - | DEF AT 2 |
| 6410 / 6403 | DEF AT - - - - - | DEF AT 1 |
| 6800 / 6793 | DEF AT - - - - - | DEF AT 2 |
| 7010 / 7003 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 2 |
| 7879 / 7872 | DEF AT transported shelf fauna | DEF AT 2 |
| 7880 / 7873 | DEF AT Arenaceous fauna (local marker) | DEF AT 2 |
| 10310 / 10302 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 10460 / 10452 | DEF AT - - - - - | DEF AT 2 |
| 10820 / 10812 | DEF AT - - - - - | DEF AT 1 |
| 11300 / 11292 | DEF AT - - - - - | DEF AT 2 |
| 11450 / 11442 | DEF AT - - - - - | DEF AT 1 |
| 12530 / 12520 | DEF AT - - - - - | DEF AT 2 |
| 12860 / 12848 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 13400 / 13385 | DEF AT - - - - - | DEF AT 2 |
| 13730 / 13713 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 109 | Date of Summary: 25-AUG-1986 | First Sample Examined: 8002 |
| Lease Number: G05900 | Source of Paleo: OPERATOR | Borehole MD: 15780 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15687 |
| API Well Number: 608114001900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 2494 - 15748 | Water Depth: 1425 |
| Public Info Code: Y 16-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8002 / 8002 | DEF AT first sample examined | POS AT 4 |
| 8492 / 8492 | DEF AT - - - - | DEF AT 4 |
| 10821 / 10820 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 11390 / 11389 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 12484 / 12482 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 15748 / 15658 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 109 | Date of Summary: 25-AUG-1986 | First Sample Examined: 9485 |
| Lease Number: G05900 | Source of Paleo: OPERATOR | Borehole MD: 12977 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11658 |
| API Well Number: 608114001901 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 7568 - 12997 | Water Depth: 1406 |
| Public Info Code: Y 09-NOV-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9485 / 9263 | DEF AT first sample examined | POS AT 4 |
| 11582 / 10760 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 12889 / 11603 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 12997 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 109 | Date of Summary: 15-APR-1987 | First Sample Examined: 6990 |
| Lease Number: G05900 | Source of Paleo: OPERATOR | Borehole MD: 13283 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 13283 |
| API Well Number: 608114002800 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 47 |
| Paleo Report Num: 1 of 1 | Sample Range: 3166 - 13230 | Water Depth: 1557 |
| Public Info Code: Y 15-NOV-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6990 / 6990 | DEF AT first sample examined | POS AT 4 |
| 12630 / 12627 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 13230 / 13227 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 116 | Date of Summary: 01-MAR-1985 | First Sample Examined: 7010 |
| Lease Number: G05904 | Source of Paleo: OPERATOR | Borehole MD: 13906 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13881 |
| API Well Number: 608114003900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 7010 - 13899 | Water Depth: 2316 |
| Public Info Code: Y 04-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7010 / 7010 | DEF AT first sample examined | DEF AT |
| 12855 / 12853 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 13899 / 13875 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: GC 136 | Date of Summary: 18-MAY-1988 | First Sample Examined: 0 |
| Lease Number: G04508 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6866 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 6866 |
| API Well Number: 608115005400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 980 |
| Public Info Code: Y 27-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6210 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6814 / | DEF AT salt | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: GC 136 | Date of Summary: 01-NOV-1988 | First Sample Examined: 0 |
| Lease Number: G04508 | Source of Paleo: OPERATOR | Borehole MD: 10534 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 10534 |
| API Well Number: 608115006100 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1025 |
| Public Info Code: Y 26-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4730 / | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 8720 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 10100 / | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 142 | Date of Summary: 15-JAN-1997 | First Sample Examined: 8490 |
| Lease Number: G05093 | Source of Paleo: OPERATOR | Borehole MD: 25500 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 25450 |
| API Well Number: 608114021000 | Drilling Operator: CONOCO INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 2 | Sample Range: 8490 - 25500 | Water Depth: 1075 |
| Public Info Code: Y 09-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8490 / 8489 | DEF AT first sample examined | DEF AT |
| 8491 / 8490 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 8730 / 8729 | POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 10680 / 10679 | POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 10740 / 10739 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 11760 / 11759 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 13170 / 13169 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 13890 / 13889 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 14460 / 14459 | POS AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 16020 / 16017 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 16650 / 16632 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 17640 / 17603 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 20730 / 20686 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 23880 / 23834 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 25500 / 25450 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 142 | Date of Summary: 06-MAR-1997 | First Sample Examined: 2766 |
| Lease Number: G05093 | Source of Paleo: OPERATOR | Borehole MD: 25500 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 25450 |
| API Well Number: 608114021000 | Drilling Operator: CONOCO INC | Rkb Elevation: 90 |
| Paleo Report Num: 2 of 2 | Sample Range: 2766 - 25500 | Water Depth: 1075 |
| Public Info Code: Y 09-NOV-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2766 / 2766 | DEF AT first sample examined | DEF AT 4 |
| 3090 / 3090 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 5 |
| 3330 / 3330 | DEF AT - - - - - | DEF AT 4 |
| 4170 / 4170 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 6090 / 6090 | DEF AT - - - - - | POS AT 5 |
| 10680 / 10679 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 12840 / 12839 | DEF AT sample gap top | DEF AT 5 |
| 12930 / 12929 | DEF AT sample gap bottom | DEF AT 5 |
| 13860 / 13859 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | POS AT 5 |
| 16110 / 16105 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | POS AT 5 |
| 20730 / 20686 | DEF AT - - - - - | DEF AT 6 |
| 20760 / 20716 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 23250 / 23205 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 23940 / 23893 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 25500 / 25450 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 145 | Date of Summary: 05-JAN-1993 | First Sample Examined: 0 |
| Lease Number: G13162 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12582 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12582 |
| API Well Number: 608114018900 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1257 |
| Public Info Code: Y 22-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3420 / 3420 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 8010 / 8010 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT |
| 12200 / 12200 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 158 | Date of Summary: 09-JAN-1991 | First Sample Examined: 12990 |
| Lease Number: G07995 | Source of Paleo: OPERATOR | Borehole MD: 18000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17328 |
| API Well Number: 608115006400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 3 | Sample Range: 5100 - 15291 | Water Depth: 2950 |
| Public Info Code: Y 14-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12990 / 12985 | DEF AT first sample examined | DEF AT 5 |
| 13830 / 13766 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 15291 / 15017 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 158 | Date of Summary: 09-JAN-1991 | First Sample Examined: 14410 |
| Lease Number: G07995 | Source of Paleo: OPERATOR | Borehole MD: 18000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17328 |
| API Well Number: 608115006400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 2 of 3 | Sample Range: 12523 - 18000 | Water Depth: 2950 |
| Public Info Code: Y 14-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12523 / 12521 | DEF AT first sample examined | DEF AT 5 |
| 17800 / 17155 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 18000 / 17326 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 158 | Date of Summary: 01-APR-2001 | First Sample Examined: 14480 |
| Lease Number: G07995 | Source of Paleo: OPERATOR | Borehole MD: 18000 |
| Well Name: 001 | Paleo Done By: BECK BIOSTRAT INC. | Borehole TVD: 17328 |
| API Well Number: 608115006400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 3 of 3 | Sample Range: 14480 - 18200 | Water Depth: 2950 |
| Public Info Code: Y 01-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 14480 / 14321 | DEF AT first sample examined | DEF AT |
| 14630 / 14449 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 15740 / 15399 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 16160 / 15757 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 17990 / 17318 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 18020 / | POS AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 18200 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 166 | Date of Summary: 25-MAR-1986 | First Sample Examined: 3980 |
| Lease Number: G07028 | Source of Paleo: OPERATOR | Borehole MD: 17676 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 17676 |
| API Well Number: 608114003400 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 3980 - 17670 | Water Depth: 2381 |
| Public Info Code: Y 28-DEC-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3980 / 3980 | DEF AT first sample examined | DEF IN 5 |
| 4340 / 4340 | POS AT local marker planktic foram increase | DEF IN 5 |
| 5750 / 5750 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF IN 5 |
| 7910 / 7910 | DEF AT local marker foram increase | DEF IN 5 |
| 9110 / 9110 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF IN 5 |
| 9470 / 9470 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 10100 / 10100 | DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis | DEF IN 5 |
| 10490 / 10490 | DEF AT local marker planktic foram increase | DEF IN 5 |
| 11000 / 11000 | DEF AT local marker planktic foram increase | DEF IN 5 |
| 11450 / 11450 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 11870 / 11870 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF IN 5 |
| 12350 / 12350 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 5 |
| 13100 / 13100 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 13159 / 13159 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF IN 5 |
| 13160 / 13160 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 13220 / 13220 | DEF AT pyrite | DEF IN 5 |
| 13610 / 13610 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF IN 5 |
| 14240 / 14239 | DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus | DEF IN 5 |
| 14720 / 14719 | DEF AT local marker foram decrease | DEF IN 5 |
| 14990 / 14989 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF IN 5 |
| 15230 / 15229 | POS AT reworked material | DEF IN 5 |
| 15380 / 15379 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 166 | Date of Summary: 25-MAR-1986 | First Sample Examined: 3980 |
| Lease Number: G07028 | Source of Paleo: OPERATOR | Borehole MD: 17676 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 17676 |
| API Well Number: 608114003400 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 3980 - 17670 | Water Depth: 2381 |
| Public Info Code: Y 28-DEC-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 15520 / 15519 | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 5 |
| 15980 / 15979 | DEF AT pyrite | DEF IN 5 |
| 16580 / 16579 | POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF IN 5 |
| 17670 / 17669 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 166 | Date of Summary: 25-MAR-1986 | First Sample Examined: 3980 |
| Lease Number: G07028 | Source of Paleo: OPERATOR | Borehole MD: 17676 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 17676 |
| API Well Number: 608114003400 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 3980 - 17670 | Water Depth: 2381 |
| Public Info Code: Y 28-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 3980 / 3980 | DEF AT first sample examined | DEF AT |
| 6350 / 6350 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 9530 / 9530 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 10640 / 10640 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 11840 / 11840 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 12020 / 12020 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 13159 / 13159 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 13160 / 13160 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 14210 / 14209 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 17670 / 17669 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 166 | Date of Summary: 11-SEP-1986 | First Sample Examined: 10530 |
| Lease Number: G07028 | Source of Paleo: OPERATOR | Borehole MD: 17256 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16750 |
| API Well Number: 608114003401 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 10530 - 10980 | Water Depth: 2381 |
| Public Info Code: Y 28-DEC-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10530 / 10530 | DEF AT first sample examined | DEF IN 5 |
| 10531 / 10531 | DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea | DEF IN 5 |
| 10620 / 10620 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 10980 / 10980 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 166 | Date of Summary: 11-SEP-1986 | First Sample Examined: 10530 |
| Lease Number: G07028 | Source of Paleo: OPERATOR | Borehole MD: 17256 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16750 |
| API Well Number: 608114003401 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 10530 - 10980 | Water Depth: 2381 |
| Public Info Code: Y 28-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10530 / 10530 | DEF AT first sample examined | DEF AT |
| 10531 / 10531 | DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 10980 / 10980 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 166 | Date of Summary: 01-JAN-1990 | First Sample Examined: 3730 |
| Lease Number: G07028 | Source of Paleo: OPERATOR | Borehole MD: 17400 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 17307 |
| API Well Number: 608115007000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 3730 - 15190 | Water Depth: 2315 |
| Public Info Code: Y 28-DEC-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3730 / 3730 | DEF AT first sample examined | DEF AT 4 |
| 4630 / 4630 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 5020 / 5020 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5440 / 5440 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 5500 / 5500 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 6220 / 6220 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 6300 / 6300 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 5 |
| 7300 / 7300 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 7840 / 7840 | DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta | DEF AT 4 |
| 9520 / 9520 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 9600 / 9600 | DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 5 |
| 10180 / 10180 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 10450 / 10450 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 10700 / 10700 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 10810 / 10810 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11350 / 11350 | DEF AT faunal change (no faunal increase) | DEF AT 6 |
| 11920 / 11920 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 6 |
| 12000 / 12000 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT 6 |
| 12010 / 12010 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 6 |
| 12970 / 12970 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 6 |
| 13060 / 13060 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT 6 |
| 13090 / 13090 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 166 | Date of Summary: 01-JAN-1990 | First Sample Examined: 3730 |
| Lease Number: G07028 | Source of Paleo: OPERATOR | Borehole MD: 17400 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 17307 |
| API Well Number: 608115007000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 3730 - 15190 | Water Depth: 2315 |
| Public Info Code: Y 28-DEC-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13150 / 13150 | DEF AT - - - - - | DEF AT 5 |
| 14050 / 14049 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 5 |
| 14980 / 14978 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 5 |
| 15190 / 15185 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 16990 / 16913 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 17480 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 167 | Date of Summary: 14-AUG-1986 | First Sample Examined: 3540 |
| Lease Number: G07029 | Source of Paleo: OPERATOR | Borehole MD: 18725 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18716 |
| API Well Number: 608114006400 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 3540 - 18725 | Water Depth: 2254 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 3540 / 3540 | DEF AT first sample examined | DEF AT 5 |
| 3630 / 3630 | DEF AT - - - - - | DEF IN 5 |
| 3750 / 3750 | POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF IN 5 |
| 4080 / 4080 | DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis | DEF IN 5 |
| 6600 / 6600 | POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF IN 5 |
| 10050 / 10050 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 12690 / 12689 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 13260 / 13259 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 13289 / 13288 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF IN 5 |
| 13290 / 13289 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 14430 / 14429 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 5 |
| 17790 / 17784 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF IN 5 |
| 18725 / 18716 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 167 | Date of Summary: 14-AUG-1986 | First Sample Examined: 3540 |
| Lease Number: G07029 | Source of Paleo: OPERATOR | Borehole MD: 18725 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18716 |
| API Well Number: 608114006400 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 3540 - 18725 | Water Depth: 2254 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 3540 / 3540 | DEF AT first sample examined | DEF AT |
| 6630 / 6630 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 9930 / 9930 | POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 11190 / 11190 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 12720 / 12719 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 13260 / 13259 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 13350 / 13349 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 13650 / 13649 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 15720 / 15718 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 18725 / 18716 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 167 | Date of Summary: 29-DEC-1986 | First Sample Examined: 7440 |
| Lease Number: G07029 | Source of Paleo: OPERATOR | Borehole MD: 20024 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18405 |
| API Well Number: 608114006401 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 8 | Sample Range: 7440 - 14850 | Water Depth: 2254 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7440 / 7350 | DEF AT first sample examined | DEF IN 5 |
| 7441 / 7351 | DEF IN cement | DEF IN 5 |
| 10290 / 10052 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 10770 / 10497 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 5 |
| 12540 / 12111 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 13620 / 13071 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 13649 / 13097 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF IN 5 |
| 13650 / 13098 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 14730 / 13787 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 5 |
| 14850 / 13890 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 167 | Date of Summary: 29-DEC-1986 | First Sample Examined: 14850 |
| Lease Number: G07029 | Source of Paleo: OPERATOR | Borehole MD: 20024 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18405 |
| API Well Number: 608114006401 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 8 | Sample Range: 14850 - 15570 | Water Depth: 2254 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack 2 bypass 1 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 14850 / 13890 | DEF AT first sample examined | DEF IN 5 |
| 15570 / 14517 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 167 | Date of Summary: 29-DEC-1986 | First Sample Examined: 15000 |
| Lease Number: G07029 | Source of Paleo: OPERATOR | Borehole MD: 20024 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18405 |
| API Well Number: 608114006401 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 3 of 8 | Sample Range: 15000 - 15800 | Water Depth: 2254 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack 2 bypass 2 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 15000 / 14021 | DEF AT first sample examined | DEF IN 5 |
| 15800 / 14715 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 167 | Date of Summary: 29-DEC-1986 | First Sample Examined: 15720 |
| Lease Number: G07029 | Source of Paleo: OPERATOR | Borehole MD: 20024 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18405 |
| API Well Number: 608114006401 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 4 of 8 | Sample Range: 15720 - 20010 | Water Depth: 2254 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark: Sidetrack 2 bypass 3 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 15720 / 14646 | DEF AT first sample examined | DEF IN 5 |
| 18750 / 17294 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF IN 5 |
| 20010 / 18393 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 167 | Date of Summary: 29-DEC-1986 | First Sample Examined: 7440 |
| Lease Number: G07029 | Source of Paleo: OPERATOR | Borehole MD: 20024 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18405 |
| API Well Number: 608114006401 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 5 of 8 | Sample Range: 7440 - 14850 | Water Depth: 2254 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: | Paleo ID: 005 |

Remark: Calcareous nannofossil report for sidetrack 1

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 7440 / 7350 | DEF AT first sample examined | DEF AT |
| 7441 / 7351 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 10170 / 9940 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 12060 / 11678 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 12690 / 12245 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 13230 / 12727 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 13709 / 13149 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 13710 / 13150 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 13800 / 13229 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 14460 / 13555 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 14850 / 13890 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|-------------------------------------|
| Area Block: GC 167 | Date of Summary: 29-DEC-1986 | First Sample Examined: 14850 |
| Lease Number: G07029 | Source of Paleo: OPERATOR | Borehole MD: 20024 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18405 |
| API Well Number: 608114006401 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 6 of 8 | Sample Range: 14850 - 15570 | Water Depth: 2254 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: | Paleo ID: 006 |

Remark: Calcareous nannofossil report for sidetrack 2 bypass 1

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14850 / 13890 | DEF AT first sample examined | DEF AT |
| 14851 / 13891 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 15570 / 14517 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 167 | Date of Summary: 29-DEC-1986 | First Sample Examined: 15000 |
| Lease Number: G07029 | Source of Paleo: OPERATOR | Borehole MD: 20024 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18405 |
| API Well Number: 608114006401 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 7 of 8 | Sample Range: 15000 - 15800 | Water Depth: 2254 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: | Paleo ID: 007 |

Remark: Calcareous nannofossil report for sidetrack 2 bypass 2

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 15000 / 14021 | DEF AT first sample examined | DEF AT |
| 15001 / 14022 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 15800 / 14715 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: GC 167 | Date of Summary: 29-DEC-1986 | First Sample Examined: 15720 |
| Lease Number: G07029 | Source of Paleo: OPERATOR | Borehole MD: 20024 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18405 |
| API Well Number: 608114006401 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 8 of 8 | Sample Range: 15720 - 20010 | Water Depth: 2254 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: | Paleo ID: 008 |

Remark: Calcareous nannofossil report for sidetrack 2 bypass 3

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 15720 / 14646 | DEF AT first sample examined | DEF AT |
| 16170 / 15035 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 20010 / 18393 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 181 | Date of Summary: 30-JUN-1994 | First Sample Examined: 4580 |
| Lease Number: G12206 | Source of Paleo: OPERATOR | Borehole MD: 16660 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14807 |
| API Well Number: 608114019600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 4580 - 16600 | Water Depth: 1550 |
| Public Info Code: Y 30-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 4580 / 4580 | DEF AT first sample examined | DEF AT |
| 4581 / 4581 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 5600 / 5600 | DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 8059 / 7965 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 8060 / 7965 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 10760 / 10161 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 12170 / 11284 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 15740 / 14118 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 15799 / 14165 | DEF IN Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 15800 / 14166 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 16600 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 184 | Date of Summary: 19-JAN-1988 | First Sample Examined: 0 |
| Lease Number: G04518 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10465 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 9682 |
| API Well Number: 608115004700 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1760 |
| Public Info Code: Y 29-JAN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8776 / 7998 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 184 | Date of Summary: 01-MAY-1991 | First Sample Examined: 0 |
| Lease Number: G04518 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10800 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 10400 |
| API Well Number: 608115004900 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1760 |
| Public Info Code: Y 30-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: 8070=reverse fault

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7526 / 7131 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 8070 / 7672 | DEF AT fault | DEF AT |
| 10290 / 9889 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 184 | Date of Summary: 25-SEP-1990 | First Sample Examined: 0 |
| Lease Number: G04518 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10759 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 9700 |
| API Well Number: 608115005000 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1758 |
| Public Info Code: Y 28-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9154 / 8101 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 184 | Date of Summary: 28-APR-2000 | First Sample Examined: 0 |
| Lease Number: G04518 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9100 |
| Well Name: A007 | Paleo Done By: OPERATOR | Borehole TVD: 9061 |
| API Well Number: 608115005600 | Drilling Operator: CONOCO INC | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1760 |
| Public Info Code: Y 14-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7779 / 7742 | POS AT unconformity | DEF AT |
| 7780 / 7743 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 184 | Date of Summary: 12-MAR-1990 | First Sample Examined: 0 |
| Lease Number: G04518 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8526 |
| Well Name: A013 | Paleo Done By: OPERATOR | Borehole TVD: 8102 |
| API Well Number: 608114010100 | Drilling Operator: CONOCO INC | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1760 |
| Public Info Code: Y 10-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8475 / 8050 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GC 184 | Date of Summary: 27-NOV-1989 | First Sample Examined: 0 |
| Lease Number: G04518 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9811 |
| Well Name: A018 | Paleo Done By: OPERATOR | Borehole TVD: 9040 |
| API Well Number: 608114010900 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1758 |
| Public Info Code: Y 29-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8640 / 7913 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 205 | Date of Summary: 02-OCT-1990 | First Sample Examined: 3990 |
| Lease Number: G05911 | Source of Paleo: OPERATOR | Borehole MD: 15343 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15337 |
| API Well Number: 608114008800 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 3990 - 15343 | Water Depth: 2628 |
| Public Info Code: Y 23-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3990 / 3990 | DEF AT first sample examined | DEF AT 5 |
| 4560 / 4560 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 5 |
| 6450 / 6450 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 6840 / 6840 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 5 |
| 6930 / 6930 | DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 5 |
| 8250 / 8250 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 9900 / 9900 | DEF AT - - - - - | POS IN 4 |
| 10070 / 10070 | DEF AT - - - - - | DEF AT 5 |
| 11070 / 11069 | DEF AT foram flood | DEF AT 5 |
| 11100 / 11099 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 11130 / 11129 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 5 |
| 11250 / 11248 | DEF AT - - - - - | POS IN 4 |
| 11820 / 11818 | DEF AT - - - - - | DEF AT 5 |
| 12868 / 12866 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 12869 / 12867 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 5 |
| 12870 / 12868 | DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase) | DEF AT 5 |
| 13590 / 13587 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 5 |
| 13680 / 13677 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 13739 / 13736 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 13740 / 13737 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 13770 / 13767 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 5 |
| 14010 / 14006 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 205 | Date of Summary: 02-OCT-1990 | First Sample Examined: 3990 |
| Lease Number: G05911 | Source of Paleo: OPERATOR | Borehole MD: 15343 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15337 |
| API Well Number: 608114008800 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 3990 - 15343 | Water Depth: 2628 |
| Public Info Code: Y 23-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14100 / 14096 | DEF AT reworked material | DEF AT 5 |
| 14460 / 14456 | DEF AT reworked material | DEF AT 5 |
| 14520 / 14516 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 5 |
| 14730 / 14726 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 15270 / 15264 | DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme) | DEF AT 5 |
| 15343 / 15337 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 228 | Date of Summary: 06-AUG-1985 | First Sample Examined: 2795 |
| Lease Number: G05912 | Source of Paleo: OPERATOR | Borehole MD: 11431 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11409 |
| API Well Number: 608115002800 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 2795 - 11432 | Water Depth: 1728 |
| Public Info Code: Y 10-AUG-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Consultant-integrated foram and nanno report, 10410=Scyphosphaera globulata

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2795 / 2794 | DEF AT first sample examined | DEF AT 3 |
| 3210 / 3209 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 3 |
| 5700 / 5698 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 6330 / 6328 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 8550 / 8547 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 3 |
| 8880 / 8876 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 9000 / 8996 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 9360 / 9355 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 3 |
| 9510 / 9505 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9600 / 9595 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 9660 / 9655 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 3 |
| 9720 / 9715 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT 3 |
| 9780 / 9775 | DEF IN Upper Pliocene (Gelasian) Discoaster surculus | DEF AT 3 |
| 9930 / 9924 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 3 |
| 9960 / 9954 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 3 |
| 10379 / 10372 | DEF AT floral flood | DEF AT 3 |
| 10380 / 10373 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 3 |
| 10410 / 10403 | DEF AT local marker floral increase | DEF AT 3 |
| 10440 / 10433 | DEF AT sample gap top | POS AT 3 |
| 10559 / 10552 | DEF AT sample gap bottom | DEF AT 3 |
| 10560 / 10553 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT 3 |
| 10679 / 10672 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 228 | Date of Summary: 06-AUG-1985 | First Sample Examined: 2795 |
| Lease Number: G05912 | Source of Paleo: OPERATOR | Borehole MD: 11431 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11409 |
| API Well Number: 608115002800 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 2795 - 11432 | Water Depth: 1728 |
| Public Info Code: Y 10-AUG-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10680 / 10673 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 10810 / 10801 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT 4 |
| 10870 / 10860 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 10990 / 10978 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 11110 / 11094 | DEF AT sample gap top | POS AT 4 |
| 11431 / 11383 | DEF AT sample gap bottom | DEF AT 4 |
| 11432 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 228 | Date of Summary: 06-AUG-1985 | First Sample Examined: 2795 |
| Lease Number: G05912 | Source of Paleo: OPERATOR | Borehole MD: 11431 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11409 |
| API Well Number: 608115002800 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 2795 - 11432 | Water Depth: 1728 |
| Public Info Code: Y 10-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report, 10410=Scyphosphaera globulata

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 2795 / 2794 | DEF AT first sample examined | DEF AT |
| 3210 / 3209 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 8550 / 8547 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 8580 / 8577 | POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 9360 / 9355 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 9660 / 9655 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 9720 / 9715 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT |
| 9780 / 9775 | DEF IN Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 9930 / 9924 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 10380 / 10373 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 10410 / 10403 | POS AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme) | DEF AT |
| 10560 / 10553 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 10810 / 10801 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 10990 / 10978 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 11432 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 228 | Date of Summary: 10-APR-1986 | First Sample Examined: 2960 |
| Lease Number: G05912 | Source of Paleo: OPERATOR | Borehole MD: 12000 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11426 |
| API Well Number: 608115003600 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 2960 - 12000 | Water Depth: 1694 |
| Public Info Code: Y 21-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Consultant-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 2960 / 2959 | DEF AT first sample examined | DEF AT 3 |
| 3860 / 3859 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 3 |
| 6230 / 6229 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 6830 / 6828 | POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 3 |
| 6920 / 6918 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 7370 / 7366 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 2 |
| 8270 / 8189 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 3 |
| 9080 / 8927 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 9110 / 8955 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT 3 |
| 9170 / 9009 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT 3 |
| 9230 / 9064 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 3 |
| 9650 / 9450 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 3 |
| 10010 / 9780 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 3 |
| 10519 / 10233 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 4 |
| 10520 / 10234 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 12000 / 11426 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 228 | Date of Summary: 10-APR-1986 | First Sample Examined: 2960 |
| Lease Number: G05912 | Source of Paleo: OPERATOR | Borehole MD: 12000 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11426 |
| API Well Number: 608115003600 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 2960 - 12000 | Water Depth: 1694 |
| Public Info Code: Y 21-APR-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report, 10070=Scyphosphaera globulata, 10250=Scyphosphaera intermedia

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 2960 / 2959 | DEF AT first sample examined | DEF AT 3 |
| 3860 / 3859 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 3 |
| 7370 / 7366 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 2 |
| 8300 / 8216 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 3 |
| 9110 / 8955 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT 3 |
| 9170 / 9009 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT 3 |
| 9230 / 9064 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 3 |
| 10010 / 9780 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 3 |
| 10070 / 9834 | DEF AT local marker floral increase | DEF AT 3 |
| 10130 / 9889 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 3 |
| 10250 / 9996 | DEF AT local marker floral increase | DEF AT 4 |
| 12000 / 11426 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 228 | Date of Summary: 31-AUG-1989 | First Sample Examined: 3230 |
| Lease Number: G05912 | Source of Paleo: OPERATOR | Borehole MD: 10212 |
| Well Name: 005 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8803 |
| API Well Number: 608114012200 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 2 | Sample Range: 3230 - 4443 | Water Depth: 1588 |
| Public Info Code: Y 26-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Consultant-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3230 / 3211 | DEF AT first sample examined | DEF AT |
| 3231 / 3212 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 3949 / 3896 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 3950 / 3897 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 4443 / 4382 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 228 | Date of Summary: 31-AUG-1989 | First Sample Examined: 3230 |
| Lease Number: G05912 | Source of Paleo: OPERATOR | Borehole MD: 10212 |
| Well Name: 005 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8803 |
| API Well Number: 608114012200 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 2 of 2 | Sample Range: 3230 - 10212 | Water Depth: 1588 |
| Public Info Code: Y 26-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack 1 report, consultant-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|---------|
| 3230 / 3211 | DEF AT first sample examined | DEF AT |
| 3950 / 3897 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 5030 / 4967 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7100 / 6633 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 9230 / 8116 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 10212 / 8804 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 228 | Date of Summary: 31-AUG-1989 | First Sample Examined: 4440 |
| Lease Number: G05912 | Source of Paleo: OPERATOR | Borehole MD: 9667 |
| Well Name: 005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9501 |
| API Well Number: 608114012201 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 4440 - 9667 | Water Depth: 1588 |
| Public Info Code: Y 26-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Consultant-integrated foram and nanno report for sidetrack 2

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 4440 / 4379 | DEF AT first sample examined | DEF AT |
| 5450 / 5361 | POS IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6320 / 6188 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 7970 / 7806 | POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 8240 / 8076 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 9530 / 9364 | DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 9667 / 9501 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 228 | Date of Summary: 07-JAN-1991 | First Sample Examined: 3300 |
| Lease Number: G05912 | Source of Paleo: OPERATOR | Borehole MD: 8601 |
| Well Name: 006 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7611 |
| API Well Number: 608114017500 | Drilling Operator: CONOCO INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 2 | Sample Range: 3300 - 8600 | Water Depth: 1659 |
| Public Info Code: Y 26-SEP-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3300 / 3287 | DEF AT first sample examined | POS AT 2 |
| 3301 / 3288 | DEF AT cement | POS AT 2 |
| 3330 / 3316 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 3900 / 3852 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 4950 / 4706 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 6300 / 5779 | POS IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 7080 / 6401 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 7140 / 6449 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 3 |
| 7920 / 7064 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 8460 / 7497 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 8550 / 7570 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 8600 / 7611 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 228 | Date of Summary: 14-JAN-1991 | First Sample Examined: 3300 |
| Lease Number: G05912 | Source of Paleo: OPERATOR | Borehole MD: 8601 |
| Well Name: 006 | Paleo Done By: DAVID D. REIMERS | Borehole TVD: 7611 |
| API Well Number: 608114017500 | Drilling Operator: CONOCO INC | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 2 | Sample Range: 3300 - 8600 | Water Depth: 1659 |
| Public Info Code: Y 26-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 3300 / 3287 | DEF AT first sample examined | DEF AT |
| 3301 / 3288 | DEF AT reworked material | DEF AT |
| 3870 / 3825 | POS AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase) | DEF AT |
| 4020 / 3959 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 4710 / 4519 | DEF AT reworked material | DEF AT |
| 8490 / 7521 | DEF AT local marker floral decrease | DEF AT |
| 8600 / 7611 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 254 | Date of Summary: 06-FEB-1985 | First Sample Examined: 4434 |
| Lease Number: G07049 | Source of Paleo: OPERATOR | Borehole MD: 12061 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12061 |
| API Well Number: 608114003800 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 2 | Sample Range: 4434 - 12040 | Water Depth: 3135 |
| Public Info Code: Y 20-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 4434 / | DEF AT first sample examined | DEF IN 5 |
| 4435 / | POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF IN 5 |
| 7030 / | DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis | DEF IN 5 |
| 7031 / | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 5 |
| 11350 / | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF IN 5 |
| 11830 / | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF IN 5 |
| 11890 / | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 12040 / | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 254 | Date of Summary: 13-FEB-1985 | First Sample Examined: 4434 |
| Lease Number: G07049 | Source of Paleo: OPERATOR | Borehole MD: 12061 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12061 |
| API Well Number: 608114003800 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 2 of 2 | Sample Range: 4434 - 11890 | Water Depth: 3135 |
| Public Info Code: Y 20-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4434 / | DEF AT first sample examined | DEF AT |
| 4509 / | DEF AT floral flood | DEF AT |
| 4510 / | DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7120 / | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 11800 / | POS IN Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 11890 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 254 | Date of Summary: 22-MAR-1985 | First Sample Examined: 6957 |
| Lease Number: G07049 | Source of Paleo: OPERATOR | Borehole MD: 14486 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12786 |
| API Well Number: 608114003801 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 2 | Sample Range: 6957 - 14450 | Water Depth: 3135 |
| Public Info Code: Y 12-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 6957 / 6956 | DEF AT first sample examined | POS IN 5 |
| 6958 / 6957 | DEF AT cement | POS IN 5 |
| 7490 / 7477 | DEF AT - - - - - | DEF IN 5 |
| 9440 / 9086 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 14450 / 12757 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 254 | Date of Summary: 22-MAR-1985 | First Sample Examined: 6957 |
| Lease Number: G07049 | Source of Paleo: OPERATOR | Borehole MD: 14486 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12786 |
| API Well Number: 608114003801 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 2 of 2 | Sample Range: 6957 - 14420 | Water Depth: 3135 |
| Public Info Code: Y 12-APR-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6957 / 6956 | DEF AT first sample examined | DEF AT |
| 10640 / 9913 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 12350 / 11117 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 13070 / 11670 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 13520 / 12028 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 13970 / 12382 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 14420 / 12733 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 254 | Date of Summary: 09-APR-1985 | First Sample Examined: 8600 |
| Lease Number: G07049 | Source of Paleo: OPERATOR | Borehole MD: 11958 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11314 |
| API Well Number: 608114003802 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 2 | Sample Range: 8600 - 11960 | Water Depth: 3135 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8600 / 8477 | DEF AT first sample examined | DEF IN 5 |
| 9140 / 8913 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 11630 / 11028 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF IN 5 |
| 11960 / | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 254 | Date of Summary: 09-APR-1985 | First Sample Examined: 8600 |
| Lease Number: G07049 | Source of Paleo: OPERATOR | Borehole MD: 11958 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11314 |
| API Well Number: 608114003802 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 2 of 2 | Sample Range: 8600 - 11960 | Water Depth: 3135 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8600 / 8477 | DEF AT first sample examined | DEF AT |
| 8780 / 8622 | POS IN Middle Pleistocene (Ionian) Crenalithus doronicoides (increase) | DEF AT |
| 10850 / 10355 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 11960 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 254 | Date of Summary: 17-JUN-1985 | First Sample Examined: 7000 |
| Lease Number: G07049 | Source of Paleo: OPERATOR | Borehole MD: 16215 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14562 |
| API Well Number: 608114003803 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 2 | Sample Range: 7000 - 16180 | Water Depth: 3135 |
| Public Info Code: Y 13-JUL-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7000 / 6999 | DEF AT first sample examined | DEF IN 5 |
| 7330 / 7324 | DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis | DEF IN 5 |
| 16180 / 14534 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 254 | Date of Summary: 17-JUN-1985 | First Sample Examined: 7000 |
| Lease Number: G07049 | Source of Paleo: OPERATOR | Borehole MD: 16215 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14562 |
| API Well Number: 608114003803 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 2 of 2 | Sample Range: 7000 - 16180 | Water Depth: 3135 |
| Public Info Code: Y 13-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7000 / 6999 | DEF AT first sample examined | DEF AT |
| 7001 / 7000 | DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 11740 / 10984 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 15640 / 14115 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 16180 / 14534 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 286 | Date of Summary: 15-AUG-1991 | First Sample Examined: 4780 |
| Lease Number: G07053 | Source of Paleo: OPERATOR | Borehole MD: 14236 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14236 |
| API Well Number: 608114018300 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 4780 - 14236 | Water Depth: 3124 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 4780 / 4780 | DEF AT first sample examined | DEF AT |
| 4781 / 4781 | DEF IN Pleistocene | DEF AT |
| 5680 / 5680 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 5860 / 5860 | DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood) | DEF AT |
| 6040 / 6040 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 7190 / 7190 | POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 7220 / 7220 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT |
| 8210 / 8210 | POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 8450 / 8450 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 9890 / 9890 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT |
| 9949 / 9949 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 9950 / 9950 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT |
| 10009 / 10009 | DEF AT unconformity | DEF AT |
| 10010 / 10010 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 10070 / 10070 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 10250 / 10250 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 11270 / 11270 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 11300 / 11300 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 12170 / 12170 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 12200 / 12200 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT |
| 13190 / 13189 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 286 | Date of Summary: 15-AUG-1991 | First Sample Examined: 4780 |
| Lease Number: G07053 | Source of Paleo: OPERATOR | Borehole MD: 14236 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14236 |
| API Well Number: 608114018300 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 4780 - 14236 | Water Depth: 3124 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13609 / 13607 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT |
| 13610 / 13608 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 13611 / 13609 | DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis | DEF AT |
| 13729 / 13727 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 13730 / 13728 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 14148 / 14145 | POS AT reworked material | DEF AT |
| 14149 / 14146 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 14150 / 14147 | POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT |
| 14189 / 14186 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 14190 / 14187 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 14236 / 14233 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 296 | Date of Summary: 30-JUN-1994 | First Sample Examined: 5400 |
| Lease Number: G07057 | Source of Paleo: OPERATOR | Borehole MD: 16407 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16023 |
| API Well Number: 608115008400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 5400 - 14145 | Water Depth: 3290 |
| Public Info Code: Y 14-NOV-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5400 / 5397 | DEF AT first sample examined | DEF AT |
| 7710 / 7706 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 3 |
| 10110 / 10106 | POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT 4 |
| 11430 / 11426 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 4 |
| 11460 / 11456 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 12570 / 12566 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 4 |
| 13110 / 13091 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 13140 / 13119 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 13920 / 13827 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT 4 |
| 14145 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 301 | Date of Summary: 09-DEC-1986 | First Sample Examined: 5700 |
| Lease Number: G07058 | Source of Paleo: OPERATOR | Borehole MD: 21228 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 21228 |
| API Well Number: 608114004000 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 3 | Sample Range: 5700 - 21210 | Water Depth: 3171 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5700 / 5700 | DEF AT first sample examined | DEF IN 4 |
| 6360 / 6360 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 8100 / 8100 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 10410 / 10410 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10680 / 10680 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 11550 / 11550 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 16080 / 16080 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 18540 / 18540 | DEF AT - - - - - | DEF AT 6 |
| 19950 / 19950 | DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 6 |
| 21210 / 21210 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 301 | Date of Summary: 09-DEC-1986 | First Sample Examined: 5700 |
| Lease Number: G07058 | Source of Paleo: OPERATOR | Borehole MD: 21228 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 21228 |
| API Well Number: 608114004000 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 2 of 3 | Sample Range: 5700 - 21210 | Water Depth: 3171 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5700 / 5700 | DEF AT first sample examined | DEF AT |
| 6390 / 6390 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 8310 / 8310 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 9750 / 9750 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 10260 / 10260 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 10530 / 10530 | POS AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 10620 / 10620 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 12120 / 12120 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 16200 / 16200 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 19980 / 19980 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 21210 / 21210 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 301 | Date of Summary: 27-NOV-1989 | First Sample Examined: 5700 |
| Lease Number: G07058 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 21228 |
| Well Name: 001 | Paleo Done By: GAY LARRE' | Borehole TVD: 21228 |
| API Well Number: 608114004000 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 3 of 3 | Sample Range: 5700 - 21210 | Water Depth: 3171 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 5700 / 5700 | DEF AT first sample examined | DEF AT 3 |
| 5760 / 5760 | POS IN Holocene Globorotalia inflata | DEF AT 3 |
| 6240 / 6240 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 6328 / 6328 | DEF AT oxidized shale | DEF AT 4 |
| 6329 / 6329 | DEF AT glauconite | DEF AT 4 |
| 6330 / 6330 | POS AT unconformity | DEF AT 4 |
| 6360 / 6360 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 6420 / 6420 | DEF AT sample gap top | POS AT 5 |
| 6719 / 6719 | DEF AT sample gap bottom | POS AT 5 |
| 6720 / 6720 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | POS AT 5 |
| 6840 / 6840 | DEF AT cement | DEF AT 5 |
| 7020 / 7020 | DEF AT sand | DEF AT 5 |
| 7170 / 7170 | DEF AT cement | POS AT 5 |
| 7920 / 7920 | DEF AT glauconite | DEF AT 5 |
| 7921 / 7921 | DEF AT sand | DEF AT 5 |
| 7949 / 7949 | DEF AT glauconite | DEF AT 5 |
| 7950 / 7950 | DEF AT local marker foram decrease | DEF AT 5 |
| 8100 / 8100 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "A") | DEF AT 5 |
| 8160 / 8160 | DEF AT oxidized shale | DEF AT 5 |
| 8340 / 8340 | DEF AT cement | POS AT 5 |
| 8850 / 8850 | DEF AT pyrite | DEF AT 5 |
| 9150 / 9150 | DEF AT cement | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 301 | Date of Summary: 27-NOV-1989 | First Sample Examined: 5700 |
| Lease Number: G07058 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 21228 |
| Well Name: 001 | Paleo Done By: GAY LARRE' | Borehole TVD: 21228 |
| API Well Number: 608114004000 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 3 of 3 | Sample Range: 5700 - 21210 | Water Depth: 3171 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9151 / 9151 | DEF AT local marker foram increase | DEF AT 5 |
| 9180 / 9180 | DEF AT local marker foram increase | DEF AT 5 |
| 9210 / 9210 | DEF AT local marker deep water fauna | DEF AT 5 |
| 9419 / 9419 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 9420 / 9420 | POS AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 9540 / 9540 | DEF AT local marker planktic foram increase | DEF AT 6 |
| 9600 / 9600 | DEF AT pyrite | DEF AT 6 |
| 9960 / 9960 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 6 |
| 10020 / 10020 | POS AT unconformity | DEF AT 6 |
| 10410 / 10410 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 6 |
| 10470 / 10470 | DEF AT oxidized shale | DEF AT 6 |
| 10530 / 10530 | DEF AT pyrite | DEF AT 6 |
| 10619 / 10619 | DEF AT gray shale | DEF AT 6 |
| 10620 / 10620 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 6 |
| 10650 / 10650 | DEF AT reefal material | DEF AT 6 |
| 10680 / 10680 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 6 |
| 10740 / 10740 | DEF AT oxidized shale | DEF AT 6 |
| 10770 / 10770 | DEF AT sand | DEF AT 6 |
| 11280 / 11280 | DEF AT pyrite | DEF AT 6 |
| 11550 / 11550 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 6 |
| 11610 / 11610 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 12090 / 12090 | DEF AT local marker planktic foram increase | DEF AT 6 |
| 12840 / 12840 | DEF AT cement | DEF AT 6 |
| 12841 / 12841 | DEF AT oxidized shale | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 301 | Date of Summary: 27-NOV-1989 | First Sample Examined: 5700 |
| Lease Number: G07058 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 21228 |
| Well Name: 001 | Paleo Done By: GAY LARRE' | Borehole TVD: 21228 |
| API Well Number: 608114004000 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 3 of 3 | Sample Range: 5700 - 21210 | Water Depth: 3171 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 13800 / 13800 | POS AT unconformity | DEF AT 6 |
| 13830 / 13830 | POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 14310 / 14310 | DEF AT glauconite | DEF AT 6 |
| 14362 / 14362 | DEF AT cement | DEF AT 6 |
| 14580 / 14580 | DEF AT local marker foram increase | DEF AT 6 |
| 15570 / 15570 | DEF AT sand | DEF AT 6 |
| 16080 / 16080 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 16440 / 16440 | DEF AT sand | DEF AT 6 |
| 16560 / 16560 | POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 6 |
| 16650 / 16650 | POS AT unconformity | POS AT 6 |
| 17850 / 17850 | POS AT fault | POS AT 6 |
| 17880 / 17880 | POS AT unconformity | POS AT 6 |
| 18270 / 18270 | DEF AT local marker foram increase | DEF AT 6 |
| 18330 / 18330 | DEF AT local marker foram decrease | DEF AT 6 |
| 18510 / 18510 | DEF AT foram flood | DEF AT 6 |
| 18690 / 18690 | POS AT unconformity | DEF AT 6 |
| 19440 / 19440 | POS AT unconformity | DEF AT 6 |
| 19620 / 19620 | DEF AT glauconite | DEF AT 6 |
| 19770 / 19770 | DEF AT oxidized shale | DEF AT 6 |
| 19830 / 19830 | POS AT unconformity | POS AT 6 |
| 19950 / 19950 | DEF AT local marker foram increase | DEF AT 6 |
| 19980 / 19980 | POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 6 |
| 20100 / 20100 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 6 |
| 20250 / 20250 | POS AT unconformity | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 301 | Date of Summary: 27-NOV-1989 | First Sample Examined: 5700 |
| Lease Number: G07058 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 21228 |
| Well Name: 001 | Paleo Done By: GAY LARRE' | Borehole TVD: 21228 |
| API Well Number: 608114004000 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 3 of 3 | Sample Range: 5700 - 21210 | Water Depth: 3171 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 20730 / 20730 | POS AT unconformity | DEF AT 6 |
| 20910 / 20910 | POS AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT 6 |
| 21060 / 21060 | DEF AT Bathysiphon fauna | DEF AT 6 |
| 21180 / 21180 | DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme) | DEF AT 6 |
| 21210 / 21210 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 326 | Date of Summary: 02-JUN-1998 | First Sample Examined: 9810 |
| Lease Number: G09928 | Source of Paleo: OPERATOR | Borehole MD: 20200 |
| Well Name: 001 | Paleo Done By: THOMAS REILLY | Borehole TVD: 19850 |
| API Well Number: 608114022700 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 2 | Sample Range: 9810 - 20220 | Water Depth: 2549 |
| Public Info Code: Y 02-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9810 / 9810 | DEF AT first sample examined | DEF AT 3 |
| 9811 / 9811 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 9960 / 9960 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 10050 / 10050 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10350 / 10350 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 10500 / 10500 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF IN 3 |
| 10800 / 10800 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11100 / 11100 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 11250 / 11250 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11430 / 11430 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 11610 / 11610 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 3 |
| 12270 / 12270 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12330 / 12330 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 12780 / 12780 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12900 / 12900 | DEF AT faunal change (no faunal increase) | DEF AT |
| 12960 / 12960 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13020 / 13020 | DEF AT faunal change (no faunal increase) | DEF AT |
| 13050 / 13050 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13170 / 13170 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 13470 / 13470 | DEF AT faunal change (no faunal increase) | DEF AT |
| 13500 / 13500 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 14280 / 14280 | DEF AT faunal change (no faunal increase) | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 326 | Date of Summary: 02-JUN-1998 | First Sample Examined: 9810 |
| Lease Number: G09928 | Source of Paleo: OPERATOR | Borehole MD: 20200 |
| Well Name: 001 | Paleo Done By: THOMAS REILLY | Borehole TVD: 19850 |
| API Well Number: 608114022700 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 2 | Sample Range: 9810 - 20220 | Water Depth: 2549 |
| Public Info Code: Y 02-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14400 / 14400 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 14550 / 14550 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 14640 / 14640 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 14760 / 14760 | DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 4 |
| 15450 / 15450 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 15780 / 15780 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 16530 / 16529 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 17100 / 17099 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 17640 / 17634 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 17880 / 17867 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 18870 / 18743 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 19110 / 18938 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 19530 / 19281 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 19920 / 19595 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 20130 / 19763 | POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 20190 / 19811 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 326 | Date of Summary: 04-MAR-1999 | First Sample Examined: 9810 |
| Lease Number: G09928 | Source of Paleo: OPERATOR | Borehole MD: 20200 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19850 |
| API Well Number: 608114022700 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 2 | Sample Range: 4290 - 20220 | Water Depth: 2549 |
| Public Info Code: Y 02-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 9810 / 9810 | DEF AT first sample examined | DEF AT 3 |
| 10500 / 10500 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 10800 / 10800 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10830 / 10830 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 4 |
| 12990 / 12990 | POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum | DEF AT |
| 13440 / 13440 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 14640 / 14640 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 14760 / 14760 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 4 |
| 15300 / 15300 | DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 4 |
| 15450 / 15450 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 15750 / 15750 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 15780 / 15780 | DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 17160 / 17158 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 17970 / 17953 | POS AT Lower Pliocene (Zanclian) Sphenolithus verensis | DEF AT 4 |
| 20130 / 19763 | POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 20220 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 338 | Date of Summary: 01-APR-1998 | First Sample Examined: 9800 |
| Lease Number: G11054 | Source of Paleo: OPERATOR | Borehole MD: 16185 |
| Well Name: 001 | Paleo Done By: BUGWARE, INC. | Borehole TVD: 16000 |
| API Well Number: 608115012600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 3 | Sample Range: 5044 - 16185 | Water Depth: 3244 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 9800 / 9796 | DEF AT first sample examined | DEF AT |
| 9890 / 9886 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 11540 / 11535 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 11570 / 11565 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 11900 / 11895 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 13050 / 13039 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 13140 / 13126 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 13200 / 13184 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT |
| 13230 / 13213 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 14880 / 14772 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 338 | Date of Summary: 18-APR-1998 | First Sample Examined: 9800 |
| Lease Number: G11054 | Source of Paleo: OPERATOR | Borehole MD: 16185 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16000 |
| API Well Number: 608115012600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 3 | Sample Range: 5044 - 16185 | Water Depth: 3244 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 9800 / 9796 | DEF AT first sample examined | DEF AT 4 |
| 11540 / 11535 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 11900 / 11895 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 4 |
| 13050 / 13039 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 4 |
| 13140 / 13126 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 4 |
| 13170 / 13155 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 13200 / 13184 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 13260 / 13242 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 13440 / 13413 | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 14490 / 14404 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 14610 / 14517 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 14880 / 14772 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 16185 / 16000 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 338 | Date of Summary: 20-APR-1998 | First Sample Examined: 9800 |
| Lease Number: G11054 | Source of Paleo: OPERATOR | Borehole MD: 16185 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 16000 |
| API Well Number: 608115012600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 84 |
| Paleo Report Num: 3 of 3 | Sample Range: 5044 - 16185 | Water Depth: 3244 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9800 / 9796 | DEF AT first sample examined | POS AT 3 |
| 9860 / 9856 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9890 / 9886 | DEF AT local marker foram increase | DEF AT 3 |
| 10010 / 10006 | DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 3 |
| 10070 / 10066 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10250 / 10246 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 10640 / 10636 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11540 / 11535 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 11660 / 11655 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 11720 / 11715 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11750 / 11745 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 12050 / 12045 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 12350 / 12345 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12560 / 12555 | DEF AT local marker foram increase | DEF AT 4 |
| 13050 / 13039 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 13170 / 13155 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 13230 / 13213 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 13260 / 13242 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 13440 / 13413 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 13740 / 13695 | DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 13770 / 13723 | DEF AT local marker (general) | DEF AT 4 |
| 14100 / 14034 | DEF AT faunal change (no faunal increase) | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 338 | Date of Summary: 20-APR-1998 | First Sample Examined: 9800 |
| Lease Number: G11054 | Source of Paleo: OPERATOR | Borehole MD: 16185 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 16000 |
| API Well Number: 608115012600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 84 |
| Paleo Report Num: 3 of 3 | Sample Range: 5044 - 16185 | Water Depth: 3244 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 003 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 14400 / 14318 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 14490 / 14404 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 14610 / 14517 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 14820 / 14716 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 14880 / 14772 | DEF AT local marker foram increase | DEF AT 4 |
| 15450 / 15310 | DEF AT local marker foram increase | DEF AT 4 |
| 15545 / 15399 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 16170 / 15986 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 429 | Date of Summary: 22-APR-1994 | First Sample Examined: 5860 |
| Lease Number: G07069 | Source of Paleo: OPERATOR | Borehole MD: 12500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12499 |
| API Well Number: 608115008200 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 5860 - 12500 | Water Depth: 3690 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5860 / 5860 | DEF AT first sample examined | DEF IN 4 |
| 6819 / 6819 | DEF IN Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood) | DEF IN 4 |
| 6820 / 6820 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF IN 4 |
| 7240 / 7240 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF IN 4 |
| 8380 / 8380 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF IN 4 |
| 8680 / 8680 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF IN 4 |
| 10153 / 10153 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF IN 4 |
| 11050 / 11050 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF IN 4 |
| 11170 / 11170 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF IN 4 |
| 11320 / 11320 | DEF AT reworked material | DEF IN 4 |
| 11410 / 11410 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 4 |
| 11620 / 11620 | DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum | DEF AT 4 |
| 11710 / 11710 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 6 |
| 11729 / 11729 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 6 |
| 11730 / 11730 | DEF AT condensed section | DEF AT 6 |
| 11731 / 11731 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT 6 |
| 11734 / 11734 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT 6 |
| 11738 / 11738 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 6 |
| 11740 / 11740 | DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 6 |
| 11769 / 11769 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 6 |
| 11770 / 11770 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 6 |
| 11860 / 11860 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 429 | Date of Summary: 22-APR-1994 | First Sample Examined: 5860 |
| Lease Number: G07069 | Source of Paleo: OPERATOR | Borehole MD: 12500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12499 |
| API Well Number: 608115008200 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 5860 - 12500 | Water Depth: 3690 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 12500 / 12499 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 461 | Date of Summary: 23-JUL-1998 | First Sample Examined: 6484 |
| Lease Number: G11064 | Source of Paleo: OPERATOR | Borehole MD: 20500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19333 |
| API Well Number: 608114023000 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 6484 - 20500 | Water Depth: 4229 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, 16500=Upper Pliocene Sphaeroidinella dehiscens increase

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6484 / 6484 | DEF AT first sample examined | POS AT 4 |
| 8070 / 8069 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 4 |
| 9630 / 9629 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 10650 / 10649 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 12810 / 12809 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12930 / 12929 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 13740 / 13698 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 14330 / 14206 | DEF AT cement | POS AT 4 |
| 14400 / 14265 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | POS AT 4 |
| 15150 / 14891 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | POS AT 4 |
| 15180 / 14916 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 15210 / 14940 | DEF AT local marker foram increase | DEF IN 4 |
| 15330 / 15039 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 15450 / 15137 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | POS AT 4 |
| 15480 / 15162 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 16499 / 16001 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF IN 4 |
| 16500 / 16002 | DEF IN Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF IN 4 |
| 16740 / 16203 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 19650 / 18627 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | POS AT 4 |
| 19740 / 18700 | POS AT Upper Pliocene (Piacenzian) Discoaster tamalis | POS AT 4 |
| 19830 / 18774 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | POS AT 4 |
| 19859 / 18798 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 461 | Date of Summary: 23-JUL-1998 | First Sample Examined: 6484 |
| Lease Number: G11064 | Source of Paleo: OPERATOR | Borehole MD: 20500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19333 |
| API Well Number: 608114023000 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 6484 - 20500 | Water Depth: 4229 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 19860 / 18798 | DEF AT local marker foram increase | DEF IN 4 |
| 19890 / 18823 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 20010 / 18922 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 20500 / 19333 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 461 | Date of Summary: 26-AUG-1998 | First Sample Examined: 14340 |
| Lease Number: G11064 | Source of Paleo: OPERATOR | Borehole MD: 19596 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17325 |
| API Well Number: 608114023001 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 14340 - 19576 | Water Depth: 4240 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, 16500=Sphaeroidinella dehiscens increase, 18480=weak increase in Sphaeroidinella dehiscens

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14340 / 14213 | DEF AT first sample examined | DEF AT |
| 14430 / 14282 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 15090 / 14730 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 15450 / 14954 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 16200 / 15387 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 16440 / 15527 | POS IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 16500 / 15562 | DEF AT local marker planktic foram increase | DEF IN 4 |
| 16590 / 15615 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF IN 4 |
| 17220 / 15984 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 4 |
| 17880 / 16370 | DEF AT faunal change (no faunal increase) | POS IN 4 |
| 18480 / 16706 | POS AT local marker planktic foram increase | POS IN 4 |
| 19170 / 17091 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | POS IN 4 |
| 19319 / 17176 | DEF AT foram flood | DEF IN 4 |
| 19320 / 17176 | DEF AT local marker planktic foram increase | DEF IN 4 |
| 19350 / 17194 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF IN 4 |
| 19470 / 17264 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 4 |
| 19576 / | DEF AT last sample examined | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 463 | Date of Summary: 08-DEC-1998 | First Sample Examined: 9102 |
| Lease Number: G11066 | Source of Paleo: OPERATOR | Borehole MD: 19808 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19000 |
| API Well Number: 608114023301 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 9102 - 19808 | Water Depth: 4032 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, 14510=Sphaeroidinella dehiscens increase

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9102 / 9102 | DEF AT first sample examined | POS AT 4 |
| 9270 / 9270 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | POS AT 4 |
| 11430 / 11426 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | POS AT 4 |
| 13580 / 13485 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | POS AT 4 |
| 13610 / 13511 | DEF AT - - - - - | DEF IN 4 |
| 14059 / 13913 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 5 |
| 14060 / 13913 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 14509 / 14316 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF IN 4 |
| 14510 / 14317 | DEF AT local marker planktic foram increase | DEF IN 4 |
| 14570 / 14371 | DEF AT - - - - - | POS IN 4 |
| 15260 / 14992 | DEF AT - - - - - | DEF IN 4 |
| 15530 / 15232 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 4 |
| 15650 / 15340 | DEF AT - - - - - | POS IN 4 |
| 15740 / 15420 | DEF AT - - - - - | DEF IN 4 |
| 15830 / 15500 | DEF AT - - - - - | POS IN 4 |
| 16280 / 15901 | DEF AT local marker foram increase | DEF AT 5 |
| 16281 / 15902 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 5 |
| 16610 / 16203 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 5 |
| 16670 / 16258 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 16760 / 16341 | DEF AT local marker planktic foram increase | DEF AT 5 |
| 16850 / 16423 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 5 |
| 17030 / 16584 | DEF AT - - - - - | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 463 | Date of Summary: 08-DEC-1998 | First Sample Examined: 9102 |
| Lease Number: G11066 | Source of Paleo: OPERATOR | Borehole MD: 19808 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19000 |
| API Well Number: 608114023301 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 9102 - 19808 | Water Depth: 4032 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 17150 / 16690 | DEF AT ----- | POS IN 4 |
| 17570 / 17058 | DEF AT ----- | DEF IN 5 |
| 17600 / 17085 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF IN 5 |
| 17750 / 17215 | DEF AT ----- | DEF AT 5 |
| 17930 / 17372 | DEF AT ----- | POS IN 4 |
| 18170 / 17581 | DEF AT ----- | DEF AT 5 |
| 18530 / 17895 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 5 |
| 18560 / 17921 | DEF AT local marker planktic foram increase | DEF AT 5 |
| 18620 / 17974 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 18680 / 18026 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 5 |
| 18800 / 18131 | DEF AT ----- | POS IN 4 |
| 19100 / 18391 | DEF AT ----- | DEF IN 4 |
| 19340 / 18599 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF IN 4 |
| 19808 / 19000 | DEF AT last sample examined | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 472 | Date of Summary: 15-FEB-1989 | First Sample Examined: 5840 |
| Lease Number: G05097 | Source of Paleo: OPERATOR | Borehole MD: 14000 |
| Well Name: 001 | Paleo Done By: DAVID D. REIMERS | Borehole TVD: 13988 |
| API Well Number: 608115006600 | Drilling Operator: CONOCO INC | Rkb Elevation: 32 |
| Paleo Report Num: 1 of 2 | Sample Range: 5840 - 14000 | Water Depth: 3778 |
| Public Info Code: Y 08-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5840 / 5840 | DEF AT first sample examined | DEF AT |
| 6590 / 6589 | DEF AT reworked material | DEF AT |
| 7130 / 7128 | POS AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood) | DEF AT |
| 7370 / 7367 | POS AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood) | DEF AT |
| 7400 / 7397 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme) | DEF AT |
| 7580 / 7577 | DEF AT local marker floral decrease | DEF AT |
| 7850 / 7847 | POS AT local marker floral increase | DEF AT |
| 8510 / 8507 | DEF AT local marker floral decrease | DEF AT |
| 8840 / 8836 | DEF AT local marker floral decrease | DEF AT |
| 9290 / 9285 | POS AT local marker floral increase | DEF AT |
| 10190 / 10183 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 10220 / 10213 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 10400 / 10393 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 14000 / 13989 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 472 | Date of Summary: 16-FEB-1989 | First Sample Examined: 5840 |
| Lease Number: G05097 | Source of Paleo: OPERATOR | Borehole MD: 14000 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13988 |
| API Well Number: 608115006600 | Drilling Operator: CONOCO INC | Rkb Elevation: 32 |
| Paleo Report Num: 2 of 2 | Sample Range: 5840 - 14000 | Water Depth: 3778 |
| Public Info Code: Y 08-MAR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5840 / 5840 | DEF AT first sample examined | POS AT 1 |
| 5900 / 5900 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 6260 / 6259 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 6650 / 6649 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 6800 / 6798 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 7370 / 7367 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 7940 / 7937 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 8090 / 8087 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 8240 / 8237 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 8450 / 8447 | POS AT faunal change (no faunal increase) | DEF AT 1 |
| 8750 / 8747 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 9380 / 9375 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 2 |
| 9500 / 9495 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9620 / 9614 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 9650 / 9644 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 3 |
| 9760 / 9754 | DEF AT cement | POS AT 3 |
| 9800 / 9794 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 10130 / 10123 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 10370 / 10363 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 3 |
| 10430 / 10423 | DEF AT sample gap top | POS AT 3 |
| 10475 / 10467 | DEF AT sample gap bottom | DEF AT 3 |
| 11120 / 11111 | DEF AT faunal change (no faunal increase) | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GC 472 | Date of Summary: 16-FEB-1989 | First Sample Examined: 5840 |
| Lease Number: G05097 | Source of Paleo: OPERATOR | Borehole MD: 14000 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13988 |
| API Well Number: 608115006600 | Drilling Operator: CONOCO INC | Rkb Elevation: 32 |
| Paleo Report Num: 2 of 2 | Sample Range: 5840 - 14000 | Water Depth: 3778 |
| Public Info Code: Y 08-MAR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11450 / 11441 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 11840 / 11830 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 12260 / 12250 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12380 / 12370 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 12830 / 12819 | DEF AT local marker foram increase | DEF AT 4 |
| 13970 / 13959 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 505 | Date of Summary: 29-JUN-1997 | First Sample Examined: 6700 |
| Lease Number: G08879 | Source of Paleo: OPERATOR | Borehole MD: 22272 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 21816 |
| API Well Number: 608114021500 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 2 | Sample Range: 6700 - 18140 | Water Depth: 4280 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Fuji Prospect, calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 6700 / 6700 | DEF AT first sample examined | DEF AT |
| 6701 / 6701 | DEF IN Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood) | DEF AT |
| 7600 / 7600 | DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood) | DEF AT |
| 8950 / 8950 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 11650 / 11576 | DEF AT local marker floral increase | DEF AT |
| 13330 / 13140 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 14840 / 14554 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 15379 / 15069 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 15380 / 15070 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 15500 / 15187 | DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima | DEF AT |
| 16460 / 16125 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 17060 / 16718 | DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase) | DEF AT |
| 17239 / 16895 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 17240 / 16896 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 17539 / 17193 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 17540 / 17194 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 17720 / 17373 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 18139 / 17790 | DEF IN salt | DEF AT |
| 18140 / 17791 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 505 | Date of Summary: 11-AUG-1997 | First Sample Examined: 6700 |
| Lease Number: G08879 | Source of Paleo: OPERATOR | Borehole MD: 22272 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 21816 |
| API Well Number: 608114021500 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 2 | Sample Range: 6700 - 18170 | Water Depth: 4280 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Fuji Prospect

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6700 / 6700 | DEF AT first sample examined | DEF IN 3 |
| 6701 / 6701 | DEF IN Illinoian fauna (local marker) | DEF IN 3 |
| 7360 / 7360 | DEF AT local marker foram increase | DEF IN 3 |
| 7480 / 7480 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 7600 / 7600 | DEF AT local marker planktic foram increase | DEF AT 4 |
| 7660 / 7660 | DEF AT local marker foram increase | DEF AT 4 |
| 7810 / 7810 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF IN 4 |
| 7900 / 7900 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 8710 / 8710 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 4 |
| 8740 / 8740 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 8890 / 8890 | DEF AT sand | DEF IN 3 |
| 9040 / 9040 | POS AT local marker foram increase | DEF AT 4 |
| 9130 / 9130 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 9520 / 9520 | DEF AT local marker foram increase | DEF AT 4 |
| 9550 / 9550 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 9580 / 9580 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF IN 4 |
| 10600 / 10584 | DEF AT sand | DEF AT 4 |
| 10720 / 10700 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 4 |
| 11590 / 11520 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 4 |
| 11800 / 11717 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12310 / 12192 | DEF AT sand | DEF IN 4 |
| 12610 / 12471 | DEF AT faunal change (no faunal increase) | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 505 | Date of Summary: 11-AUG-1997 | First Sample Examined: 6700 |
| Lease Number: G08879 | Source of Paleo: OPERATOR | Borehole MD: 22272 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 21816 |
| API Well Number: 608114021500 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 2 | Sample Range: 6700 - 18170 | Water Depth: 4280 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12640 / 12499 | DEF AT local marker benthic foram increase | DEF IN 4 |
| 12700 / 12555 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13030 / 12862 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 13090 / 12917 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13750 / 13532 | DEF AT local marker foram increase | DEF IN 4 |
| 13810 / 13589 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 14810 / 14525 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 14960 / 14668 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 15200 / 14897 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 16010 / 15683 | DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis | DEF AT 4 |
| 16040 / 15713 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 16160 / 15830 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 17090 / 16748 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 17209 / 16866 | DEF AT foram flood | DEF AT 5 |
| 17210 / 16867 | DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis | DEF AT 5 |
| 17329 / 16985 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 17330 / 16986 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 17360 / 17016 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 17390 / 17045 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF IN 4 |
| 17420 / 17075 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 4 |
| 17450 / 17105 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 17598 / 17252 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 4 |
| 17599 / 17253 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 17600 / 17254 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 505 | Date of Summary: 11-AUG-1997 | First Sample Examined: 6700 |
| Lease Number: G08879 | Source of Paleo: OPERATOR | Borehole MD: 22272 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 21816 |
| API Well Number: 608114021500 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 2 | Sample Range: 6700 - 18170 | Water Depth: 4280 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 17749 / 17402 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 17750 / 17403 | POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba | DEF AT 5 |
| 17810 / 17463 | DEF AT sand | DEF AT 4 |
| 18050 / 17702 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF IN 4 |
| 18139 / 17790 | DEF AT gypsum | DEF IN 4 |
| 18140 / 17791 | DEF AT gouge | DEF IN 4 |
| 18170 / 17821 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 505 | Date of Summary: 05-DEC-1997 | First Sample Examined: 14210 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 19748 |
| Well Name: 002 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 18406 |
| API Well Number: 608114022200 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 2 | Sample Range: 14210 - 19550 | Water Depth: 4262 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Fuji Prospect, calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14210 / 13520 | DEF AT first sample examined | DEF AT |
| 14390 / 13664 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 16670 / 15539 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 16970 / 15808 | DEF AT local marker floral increase | DEF AT |
| 17990 / 16749 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 18170 / 16917 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 18770 / 17479 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 18890 / 17592 | DEF AT local marker floral increase | DEF AT |
| 19130 / 17819 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A" | DEF AT |
| 19550 / 18217 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 505 | Date of Summary: 19-DEC-1997 | First Sample Examined: 14210 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 19748 |
| Well Name: 002 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 18406 |
| API Well Number: 608114022200 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 2 | Sample Range: 14210 - 19748 | Water Depth: 4262 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Fuji Prospect

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14210 / 13520 | DEF AT first sample examined | POS AT 3 |
| 14211 / 13521 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | POS AT 3 |
| 14300 / 13592 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 15320 / 14413 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 16070 / 15023 | POS AT local marker foram increase | DEF AT 3 |
| 16340 / 15251 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 3 |
| 17870 / 16638 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 18020 / 16777 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 18050 / 16805 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 5 |
| 18109 / 16860 | DEF AT foram flood | DEF AT 5 |
| 18110 / 16861 | DEF AT local marker planktic foram increase | DEF AT 5 |
| 18230 / 16973 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 18290 / 17029 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 18379 / 17112 | DEF AT foram flood | DEF IN 5 |
| 18380 / 17113 | DEF AT local marker planktic foram increase | DEF IN 5 |
| 18560 / 17282 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 18620 / 17338 | DEF AT - - - - - | DEF IN 3 |
| 18650 / 17366 | DEF AT - - - - - | DEF AT 4 |
| 18680 / 17395 | DEF AT - - - - - | DEF IN 3 |
| 18770 / 17479 | POS AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF IN 3 |
| 18890 / 17592 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 3 |
| 18980 / 17677 | DEF AT - - - - - | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 505 | Date of Summary: 19-DEC-1997 | First Sample Examined: 14210 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 19748 |
| Well Name: 002 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 18406 |
| API Well Number: 608114022200 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 2 | Sample Range: 14210 - 19748 | Water Depth: 4262 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 19250 / 17933 | DEF AT salt | DEF AT 4 |
| 19370 / 18046 | DEF AT gypsum | DEF AT 4 |
| 19748 / 18405 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 506 | Date of Summary: 06-FEB-1995 | First Sample Examined: 6340 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 21200 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 21192 |
| API Well Number: 608114020200 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 2 | Sample Range: 6340 - 21200 | Water Depth: 4243 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6340 / 6340 | DEF AT first sample examined | DEF AT |
| 7150 / 7150 | DEF AT floral flood | DEF AT |
| 7270 / 7270 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 7300 / 7300 | DEF AT floral flood | DEF AT |
| 8320 / 8320 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 10770 / 10769 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 11550 / 11549 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa T.R. | DEF AT |
| 11640 / 11639 | DEF AT floral flood | DEF AT |
| 11700 / 11699 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 13740 / 13739 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 15630 / 15629 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 16630 / 16629 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 16810 / 16808 | DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima | DEF AT |
| 17200 / 17198 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 19060 / 19056 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 19090 / 19086 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 19180 / 19176 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 19240 / 19236 | DEF AT floral flood | DEF AT |
| 19510 / 19506 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 19540 / 19536 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 19720 / 19715 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A" | DEF AT |
| 20290 / 20285 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 506 | Date of Summary: 06-FEB-1995 | First Sample Examined: 6340 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 21200 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 21192 |
| API Well Number: 608114020200 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 2 | Sample Range: 6340 - 21200 | Water Depth: 4243 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 21010 / 21002 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 21130 / 21122 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 21200 / 21192 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 506 | Date of Summary: 15-FEB-1995 | First Sample Examined: 6340 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 21200 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 21192 |
| API Well Number: 608114020200 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 46 |
| Paleo Report Num: 2 of 2 | Sample Range: 6340 - 21200 | Water Depth: 4243 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6340 / 6340 | DEF AT first sample examined | POS IN 3 |
| 6341 / 6341 | DEF IN Illinoian fauna (local marker) | POS IN 3 |
| 6850 / 6850 | DEF IN Holocene Globorotalia inflata | DEF IN 3 |
| 6970 / 6970 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF IN 3 |
| 7060 / 7060 | DEF AT local marker benthic foram increase | DEF IN 3 |
| 7180 / 7180 | DEF AT local marker planktic foram increase | DEF AT 4 |
| 7330 / 7330 | DEF AT local marker foram decrease | DEF IN 3 |
| 8500 / 8500 | DEF AT local marker planktic foram increase | DEF AT 4 |
| 8820 / 8820 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF IN 2 |
| 8910 / 8910 | DEF AT local marker planktic foram increase | DEF IN 3 |
| 8970 / 8970 | DEF AT foram flood | DEF IN 3 |
| 9030 / 9030 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 9840 / 9839 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9870 / 9869 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 3 |
| 10380 / 10379 | DEF AT local marker planktic foram increase | DEF IN 3 |
| 10920 / 10919 | DEF AT local marker foram decrease | DEF AT 3 |
| 11160 / 11159 | DEF AT local marker planktic foram increase | DEF IN 3 |
| 11430 / 11429 | DEF AT local marker benthic foram increase | DEF IN 3 |
| 11520 / 11519 | DEF AT glauconite | DEF AT 4 |
| 11610 / 11609 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 11640 / 11639 | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 4 |
| 13080 / 13079 | DEF AT faunal change (no faunal increase) | DEF IN 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 506 | Date of Summary: 15-FEB-1995 | First Sample Examined: 6340 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 21200 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 21192 |
| API Well Number: 608114020200 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 46 |
| Paleo Report Num: 2 of 2 | Sample Range: 6340 - 21200 | Water Depth: 4243 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13320 / 13319 | DEF AT volcanics | DEF AT 3 |
| 13620 / 13619 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 3 |
| 14820 / 14819 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 15780 / 15779 | DEF AT transported inner shelf facies | POS AT 3 |
| 16630 / 16629 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 17170 / 17168 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 17290 / 17288 | DEF AT foram flood | DEF IN 4 |
| 17320 / 17318 | DEF AT local marker planktic foram increase | DEF IN 4 |
| 17770 / 17768 | DEF AT local marker planktic foram increase | DEF IN 3 |
| 17860 / 17858 | DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 17920 / 17918 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 18940 / 18937 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 18970 / 18966 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 4 |
| 19030 / 19026 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 4 |
| 19060 / 19056 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF IN 4 |
| 19090 / 19086 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF IN 4 |
| 19179 / 19175 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF IN 4 |
| 19180 / 19176 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 4 |
| 19210 / 19206 | DEF AT foram flood | DEF IN 4 |
| 19240 / 19236 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 19600 / 19596 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 3 |
| 19749 / 19744 | DEF AT foram flood | DEF AT 4 |
| 19750 / 19745 | DEF AT foram flood | DEF AT 4 |
| 19810 / 19805 | DEF AT foram flood | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 506 | Date of Summary: 15-FEB-1995 | First Sample Examined: 6340 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 21200 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 21192 |
| API Well Number: 608114020200 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 46 |
| Paleo Report Num: 2 of 2 | Sample Range: 6340 - 21200 | Water Depth: 4243 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 20050 / 20045 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 20229 / 20224 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 4 |
| 20230 / 20225 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 20440 / 20434 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF IN 3 |
| 20470 / 20464 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 20709 / 20702 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 20710 / 20703 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 21010 / 21002 | DEF AT foram flood | DEF IN 4 |
| 21039 / 21031 | DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF IN 4 |
| 21040 / 21032 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF IN 4 |
| 21130 / 21122 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF IN 4 |
| 21200 / 21192 | DEF AT last sample examined | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 506 | Date of Summary: 02-DEC-1998 | First Sample Examined: 14010 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 17015 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 16250 |
| API Well Number: 608114023401 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 2 | Sample Range: 14010 - 17015 | Water Depth: 4250 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Fuji Prospect, calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14010 / 14008 | DEF AT first sample examined | DEF AT |
| 14610 / 14601 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 14910 / 14879 | DEF AT local marker floral increase | DEF AT |
| 15690 / 15437 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 15930 / 15583 | DEF AT local marker floral increase | DEF AT |
| 16290 / 15808 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 17015 / 16250 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 506 | Date of Summary: 04-DEC-1998 | First Sample Examined: 14040 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 17015 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 16250 |
| API Well Number: 608114023401 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 2 | Sample Range: 14040 - 17015 | Water Depth: 4250 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Fuji Prospect

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 14040 / 14038 | DEF AT first sample examined | DEF IN 2 |
| 14580 / 14572 | DEF AT - - - - - | DEF AT 3 |
| 14609 / 14600 | DEF AT condensed section | DEF AT 3 |
| 14610 / 14601 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 3 |
| 14879 / 14851 | DEF AT maximum flooding surface | DEF IN 3 |
| 14880 / 14852 | DEF AT condensed section | DEF IN 3 |
| 15060 / 15007 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 2 |
| 15180 / 15101 | DEF AT local marker benthic foram increase | DEF IN 2 |
| 15630 / 15400 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "B") | DEF AT 3 |
| 15690 / 15437 | DEF AT - - - - - | DEF IN 2 |
| 15810 / 15510 | DEF AT local marker planktic foram increase | DEF AT 3 |
| 15960 / 15601 | DEF AT - - - - - | DEF IN 2 |
| 16110 / 15695 | DEF AT - - - - - | DEF AT 3 |
| 16260 / 15789 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 17015 / 16250 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 506 | Date of Summary: 19-JAN-1999 | First Sample Examined: 14040 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 23103 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 22169 |
| API Well Number: 608114023402 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 2 | Sample Range: 14040 - 23103 | Water Depth: 4250 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Fuji Prospect, calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14040 / 14038 | DEF AT first sample examined | DEF AT |
| 14041 / 14039 | DEF IN Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood) | DEF AT |
| 14760 / 14751 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 16440 / 16205 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 17190 / 16804 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 18840 / 18115 | DEF AT local marker floral increase | DEF AT |
| 20100 / 19229 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 20160 / 19286 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 20280 / 19399 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 20340 / 19456 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 20460 / 19571 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A" | DEF AT |
| 21699 / 20776 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 21700 / 20777 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 22140 / 21210 | DEF AT local marker floral increase | DEF AT |
| 22500 / 21567 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 22740 / 21807 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 22800 / 21867 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 23010 / 22076 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 23013 / 22079 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 506 | Date of Summary: 27-JAN-1999 | First Sample Examined: 17010 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 23103 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 22169 |
| API Well Number: 608114023402 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 2 | Sample Range: 17010 - 23103 | Water Depth: 4250 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Fuji Prospect

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 17010 / 16660 | DEF AT first sample examined | DEF AT 3 |
| 17070 / 16708 | DEF AT black shale | DEF AT 3 |
| 17190 / 16804 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "B") | DEF IN 4 |
| 17220 / 16828 | DEF AT local marker foram increase | DEF IN 4 |
| 17310 / 16900 | DEF AT - - - - - | DEF AT 4 |
| 17580 / 17114 | DEF AT - - - - - | DEF IN 4 |
| 17670 / 17184 | DEF AT pyrite | DEF IN 4 |
| 18840 / 18115 | DEF AT local marker foram increase | DEF IN 4 |
| 19050 / 18292 | DEF AT Arenaceous fauna (local marker) | DEF AT 3 |
| 20070 / 19201 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 4 |
| 20160 / 19286 | DEF AT foram flood | DEF IN 4 |
| 20190 / 19314 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 4 |
| 20280 / 19399 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF IN 4 |
| 20300 / 19418 | DEF AT Lower Pliocene (Zanclian) Sigmolilina "P" / cf. schlumbergeri | DEF IN 4 |
| 20460 / 19571 | DEF AT - - - - - | DEF AT 4 |
| 21000 / 20093 | DEF AT - - - - - | DEF IN 3 |
| 21300 / 20386 | DEF AT - - - - - | DEF AT 4 |
| 21600 / 20679 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 21630 / 20709 | DEF AT local marker foram increase | DEF AT 4 |
| 21690 / 20767 | POS AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 4 |
| 21750 / 20826 | DEF AT - - - - - | DEF IN 4 |
| 21810 / 20885 | DEF AT - - - - - | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 506 | Date of Summary: 27-JAN-1999 | First Sample Examined: 17010 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 23103 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 22169 |
| API Well Number: 608114023402 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 2 | Sample Range: 17010 - 23103 | Water Depth: 4250 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 21870 / 20944 | DEF AT foram flood | DEF IN 4 |
| 21990 / 21062 | DEF AT - - - - - | DEF AT 4 |
| 22170 / 21240 | DEF AT local marker foram increase | DEF IN 4 |
| 22200 / 21270 | DEF AT pyrite | DEF IN 4 |
| 22290 / 21359 | DEF AT - - - - - | DEF AT 4 |
| 22470 / 21538 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF IN 4 |
| 22500 / 21567 | DEF AT foram flood | DEF IN 4 |
| 22590 / 21657 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF IN 4 |
| 22620 / 21687 | DEF AT foram flood | DEF IN 4 |
| 22740 / 21807 | DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT 4 |
| 22770 / 21837 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF IN 4 |
| 22830 / 21897 | DEF AT - - - - - | DEF AT 4 |
| 23010 / 22076 | DEF AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT 4 |
| 23103 / 22169 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 506 | Date of Summary: 19-JAN-1999 | First Sample Examined: 21870 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 23649 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 22689 |
| API Well Number: 608114023403 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 2 | Sample Range: 21870 - 23640 | Water Depth: 4250 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Fuji Prospect, calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 21870 / 20944 | DEF AT first sample examined | DEF AT |
| 21871 / 20945 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 22530 / 21594 | DEF AT Upper Miocene (Messinian) Discoaster quinquaramus | DEF AT |
| 22710 / 21770 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 22770 / 21829 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 22830 / 21888 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 23070 / 22123 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 23640 / 22681 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 506 | Date of Summary: 02-FEB-1999 | First Sample Examined: 21870 |
| Lease Number: G08880 | Source of Paleo: OPERATOR | Borehole MD: 23649 |
| Well Name: 003 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 22689 |
| API Well Number: 608114023403 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 2 | Sample Range: 21870 - 23640 | Water Depth: 4250 |
| Public Info Code: Y 22-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Fuji Prospect

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 21870 / 20944 | DEF AT first sample examined | DEF AT 4 |
| 21871 / 20945 | DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 22110 / 21181 | DEF AT - - - - - | DEF IN 3 |
| 22500 / 21565 | DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF IN 4 |
| 22590 / 21653 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF IN 4 |
| 22770 / 21829 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF IN 4 |
| 22830 / 21888 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 4 |
| 22950 / 22006 | DEF AT - - - - - | DEF IN 3 |
| 23070 / 22123 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT 4 |
| 23130 / 22182 | DEF AT - - - - - | DEF IN 3 |
| 23190 / 22241 | DEF AT local marker foram increase | DEF IN 3 |
| 23250 / 22299 | DEF AT - - - - - | DEF AT 3 |
| 23429 / 22475 | DEF AT local marker foram increase | DEF AT 3 |
| 23430 / 22476 | DEF IN Upper Miocene (Tortonian) Bigenerina "B" | DEF AT 3 |
| 23640 / 22681 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 509 | Date of Summary: 08-JUL-1996 | First Sample Examined: 6516 |
| Lease Number: G08881 | Source of Paleo: OPERATOR | Borehole MD: 15100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 1503 |
| API Well Number: 608115009600 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 2 | Sample Range: 6516 - 15100 | Water Depth: 4380 |
| Public Info Code: Y 31-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6516 / 6513 | DEF AT first sample examined | DEF AT |
| 6517 / 6514 | DEF IN Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood) | DEF AT |
| 6810 / 6805 | DEF AT local marker floral decrease | DEF AT |
| 6990 / 6983 | DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood) | DEF AT |
| 7170 / 7159 | DEF AT floral flood | DEF AT |
| 7410 / 7392 | DEF AT floral flood | DEF AT |
| 7530 / 7509 | DEF AT floral flood | DEF AT |
| 9000 / 8939 | POS AT floral flood | DEF AT |
| 9300 / 9238 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 10140 / 10078 | DEF AT local marker floral decrease | DEF AT |
| 12540 / 12478 | DEF AT local marker floral increase | DEF AT |
| 15100 / 15037 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 509 | Date of Summary: 12-AUG-1996 | First Sample Examined: 6516 |
| Lease Number: G08881 | Source of Paleo: OPERATOR | Borehole MD: 15100 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 1503 |
| API Well Number: 608115009600 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 2 | Sample Range: 6516 - 15100 | Water Depth: 4380 |
| Public Info Code: Y 31-MAY-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6515 / 6512 | DEF AT first sample examined | DEF AT 4 |
| 6516 / 6513 | DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 6720 / 6716 | DEF IN Wisconsin fauna (local marker) | DEF AT 5 |
| 6840 / 6835 | DEF AT - - - - - | DEF AT 4 |
| 7050 / 7042 | DEF AT local marker foram increase | DEF AT 4 |
| 7080 / 7071 | DEF AT - - - - - | DEF AT 4 |
| 7170 / 7159 | DEF AT foram flood | DEF AT 5 |
| 7200 / 7188 | DEF AT - - - - - | DEF AT 4 |
| 7620 / 7596 | DEF AT - - - - - | DEF AT 5 |
| 7770 / 7741 | DEF AT - - - - - | DEF AT 3 |
| 8160 / 8120 | DEF AT local marker planktic foram increase | DEF AT 3 |
| 9030 / 8969 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 9960 / 9898 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 3 |
| 11280 / 11218 | POS IN Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 6 |
| 12360 / 12298 | DEF AT local marker foram increase | DEF AT 3 |
| 12600 / 12538 | DEF AT cement | DEF AT 3 |
| 14880 / 14817 | POS AT reworked material | DEF AT 3 |
| 15100 / 15037 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 544 | Date of Summary: 01-JUL-1998 | First Sample Examined: 5560 |
| Lease Number: G09940 | Source of Paleo: OPERATOR | Borehole MD: 11538 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 11511 |
| API Well Number: 608114022900 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 5560 - 11520 | Water Depth: 4190 |
| Public Info Code: Y 04-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 5560 / 5560 | DEF AT first sample examined | DEF AT 4 |
| 5920 / 5920 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 6100 / 6100 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF IN 4 |
| 6320 / 6320 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 6750 / 6750 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 6870 / 6870 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 6900 / 6900 | DEF AT reworked material | DEF AT 4 |
| 6930 / 6930 | DEF AT reworked material | DEF IN 3 |
| 7530 / 7530 | DEF AT reworked material | DEF IN 3 |
| 7560 / 7560 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 7770 / 7770 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 7830 / 7830 | DEF AT local marker foram increase | DEF AT 4 |
| 8070 / 8070 | DEF AT local marker foram increase | DEF AT 4 |
| 8550 / 8550 | DEF AT local marker foram increase | DEF AT 4 |
| 8640 / 8640 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 8850 / 8850 | DEF AT cement | DEF IN 3 |
| 8880 / 8880 | DEF AT faunal change (no faunal increase) | POS AT 3 |
| 8970 / 8970 | DEF AT reworked material | POS AT 3 |
| 9000 / 9000 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 9030 / 9030 | DEF AT reworked material | DEF IN 3 |
| 9270 / 9270 | DEF AT local marker foram increase | DEF AT 4 |
| 9600 / 9600 | DEF AT local marker foram increase | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 544 | Date of Summary: 01-JUL-1998 | First Sample Examined: 5560 |
| Lease Number: G09940 | Source of Paleo: OPERATOR | Borehole MD: 11538 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 11511 |
| API Well Number: 608114022900 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 5560 - 11520 | Water Depth: 4190 |
| Public Info Code: Y 04-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9810 / 9810 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 9930 / 9930 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10050 / 10050 | DEF AT local marker foram increase | DEF IN 4 |
| 10170 / 10170 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10230 / 10230 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 10860 / 10855 | DEF AT local marker foram increase | DEF AT 4 |
| 10920 / 10914 | DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 4 |
| 11010 / 11001 | POS AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF IN 3 |
| 11100 / 11088 | DEF AT local marker foram increase | DEF IN 3 |
| 11400 / 11378 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 11520 / 11493 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GC 544 | Date of Summary: 04-NOV-1998 | First Sample Examined: 5920 |
| Lease Number: G09940 | Source of Paleo: OPERATOR | Borehole MD: 11538 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11511 |
| API Well Number: 608114022900 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 5920 - 11520 | Water Depth: 4190 |
| Public Info Code: Y 04-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 5920 / 5920 | DEF AT first sample examined | DEF AT |
| 5921 / 5921 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 6100 / 6100 | DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 6810 / 6810 | DEF AT reworked material | DEF AT |
| 6811 / 6811 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 6812 / 6812 | POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 7500 / 7500 | DEF AT reworked material | DEF AT |
| 7860 / 7860 | DEF AT reworked material | DEF AT |
| 7980 / 7980 | DEF AT reworked material | DEF AT |
| 9030 / 9030 | DEF AT reworked material | DEF AT |
| 11010 / 11001 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 11520 / 11493 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GC 691 | Date of Summary: 15-SEP-1996 | First Sample Examined: 6562 |
| Lease Number: G08016 | Source of Paleo: OPERATOR | Borehole MD: 15814 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15810 |
| API Well Number: 608115009100 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 6562 - 15814 | Water Depth: 4489 |
| Public Info Code: Y 30-SEP-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6562 / 6561 | DEF AT first sample examined | DEF AT 5 |
| 6690 / 6689 | DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 7170 / 7169 | DEF AT - - - - - | DEF AT 6 |
| 8790 / 8789 | DEF AT - - - - - | DEF IN 5 |
| 9000 / 8999 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT 5 |
| 10260 / 10259 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 5 |
| 10470 / 10469 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 5 |
| 10500 / 10499 | DEF AT - - - - - | DEF AT 6 |
| 10530 / 10529 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 6 |
| 10590 / 10589 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT 6 |
| 11010 / 11009 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 6 |
| 11460 / 11459 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 11520 / 11519 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT 6 |
| 11550 / 11549 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 6 |
| 12570 / 12568 | DEF AT - - - - - | DEF IN 5 |
| 12571 / 12569 | DEF AT - - - - - | DEF AT 5 |
| 12870 / 12868 | DEF AT - - - - - | DEF AT 6 |
| 13050 / 13047 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT 6 |
| 13570 / 13567 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 6 |
| 13770 / 13767 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT 6 |
| 13790 / 13787 | DEF AT salt | DEF AT 6 |
| 13814 / 13811 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: GC 736 | Date of Summary: 20-JAN-1988 | First Sample Examined: 6660 |
| Lease Number: G09971 | Source of Paleo: OPERATOR | Borehole MD: 12751 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12751 |
| API Well Number: 608114009800 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 2 | Sample Range: 6660 - 12751 | Water Depth: 4471 |
| Public Info Code: Y 27-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 6660 / | DEF AT first sample examined | DEF AT 5 |
| 11160 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 11250 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 12630 / | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 12751 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 854 | Date of Summary: 01-MAR-1999 | First Sample Examined: 10000 |
| Lease Number: G09987 | Source of Paleo: OPERATOR | Borehole MD: 13633 |
| Well Name: 002 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 13599 |
| API Well Number: 608114024200 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 10000 - 13633 | Water Depth: 5518 |
| Public Info Code: Y 29-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: 11950=probable warm/cool fauna

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10000 / 10000 | DEF AT first sample examined | DEF AT |
| 10210 / 10210 | DEF AT ----- | DEF IN 4 |
| 10240 / 10240 | DEF AT local marker foram increase | DEF IN 4 |
| 10450 / 10450 | DEF AT ----- | DEF AT 4 |
| 10480 / 10480 | DEF AT ----- | DEF AT 0 |
| 10510 / 10510 | DEF AT local marker foram increase | DEF IN 4 |
| 10720 / 10720 | DEF AT transported outer shelf facies | DEF AT |
| 10900 / 10900 | DEF AT ----- | DEF IN 4 |
| 10930 / 10930 | DEF AT ----- | DEF AT 0 |
| 10960 / 10960 | DEF AT ----- | DEF AT 4 |
| 10990 / 10990 | DEF AT transported outer shelf facies | DEF AT |
| 11050 / 11050 | DEF AT transported outer shelf facies | DEF AT |
| 11080 / 11080 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 11110 / 11110 | DEF AT ----- | DEF AT 0 |
| 11350 / 11350 | DEF AT transported inner shelf facies | DEF AT |
| 11500 / 11500 | DEF AT ----- | DEF AT 4 |
| 11560 / 11560 | DEF AT ----- | DEF AT 0 |
| 11770 / 11770 | DEF AT ----- | DEF AT 4 |
| 11920 / 11920 | DEF AT ----- | DEF AT 0 |
| 11950 / 11950 | DEF AT local marker (general) | DEF IN 4 |
| 11980 / 11980 | DEF AT ----- | DEF AT 0 |
| 12010 / 12010 | DEF AT ----- | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: GC 854 | Date of Summary: 01-MAR-1999 | First Sample Examined: 10000 |
| Lease Number: G09987 | Source of Paleo: OPERATOR | Borehole MD: 13633 |
| Well Name: 002 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 13599 |
| API Well Number: 608114024200 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 10000 - 13633 | Water Depth: 5518 |
| Public Info Code: Y 29-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|------------------------------------|----------|
| 12040 / 12040 | DEF AT ----- | DEF AT 0 |
| 12130 / 12130 | DEF AT ----- | DEF AT 4 |
| 12160 / 12160 | DEF AT ----- | DEF AT 0 |
| 12190 / 12190 | DEF AT ----- | DEF AT 4 |
| 12250 / 12250 | DEF AT ----- | DEF AT 0 |
| 13390 / 13371 | DEF AT ----- | DEF AT 4 |
| 13420 / 13400 | DEF AT ----- | DEF AT 0 |
| 13540 / 13513 | DEF AT local marker foram increase | DEF IN 4 |
| 13570 / 13541 | DEF AT ----- | DEF AT 4 |
| 13600 / 13569 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GI 22 | Date of Summary: 09-JAN-1986 | First Sample Examined: 0 |
| Lease Number: 00031 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14400 |
| Well Name: R022 | Paleo Done By: OPERATOR | Borehole TVD: 14148 |
| API Well Number: 177174019900 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 55 |
| Public Info Code: Y 08-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8009 / 7776 | DEF AT Grand Isle Ash | DEF AT |
| 8100 / 7865 | POS IN Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 11862 / 11617 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GI 24 | Date of Summary: 18-APR-1990 | First Sample Examined: 0 |
| Lease Number: G10864 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16690 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16155 |
| API Well Number: 177174030700 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10810 / 10809 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GI 29 | Date of Summary: 26-DEC-1989 | First Sample Examined: 8710 |
| Lease Number: G10865 | Source of Paleo: OPERATOR | Borehole MD: 16000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16000 |
| API Well Number: 177174029900 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 8710 - 16000 | Water Depth: 73 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8710 / 8710 | DEF AT first sample examined | DEF IN 2 |
| 8950 / 8950 | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 2 |
| 9880 / 9880 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 12370 / 12370 | DEF AT poor sample interval top | POS AT 4 |
| 13419 / 13419 | POS IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 13420 / 13420 | DEF AT poor sample interval bottom | DEF AT 4 |
| 13630 / 13630 | DEF AT - - - - - | DEF AT 5 |
| 15240 / 15239 | POS AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 5 |
| 15490 / 15489 | DEF AT - - - - - | DEF AT 6 |
| 15520 / 15519 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 6 |
| 16000 / 15999 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GI 29 | Date of Summary: 26-SEP-1990 | First Sample Examined: 0 |
| Lease Number: G10865 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11002 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11000 |
| API Well Number: 177174032200 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 73 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3615 / 3615 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 5565 / 5565 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 8947 / 8945 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10028 / 10026 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GI 32 | Date of Summary: 11-OCT-1989 | First Sample Examined: 4660 |
| Lease Number: 00174 | Source of Paleo: OPERATOR | Borehole MD: 16306 |
| Well Name: 003 | Paleo Done By: DAVID D. REIMERS | Borehole TVD: 15800 |
| API Well Number: 177174029400 | Drilling Operator: CONOCO INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 2 | Sample Range: 4660 - 16300 | Water Depth: 91 |
| Public Info Code: Y 30-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 4660 / 4570 | DEF AT first sample examined | DEF AT |
| 8110 / 7895 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 8260 / 8038 | DEF AT local marker floral decrease | DEF AT |
| 13480 / 13119 | POS AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |
| 13750 / 13384 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 13900 / 13530 | DEF AT local marker floral decrease | DEF AT |
| 14020 / 13648 | DEF AT local marker floral increase | DEF AT |
| 14170 / 13795 | DEF IN Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 14350 / 13971 | DEF AT reworked material | DEF AT |
| 14710 / 14322 | DEF AT local marker floral increase | DEF AT |
| 14800 / 14410 | DEF AT Upper Miocene (Tortonian) Catinaster calyculus | DEF AT |
| 15220 / 14823 | DEF AT local marker floral decrease | DEF AT |
| 16300 / 15870 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: GI 32 | Date of Summary: 20-OCT-1989 | First Sample Examined: 4660 |
| Lease Number: 00174 | Source of Paleo: OPERATOR | Borehole MD: 16306 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15800 |
| API Well Number: 177174029400 | Drilling Operator: CONOCO INC | Rkb Elevation: 93 |
| Paleo Report Num: 2 of 2 | Sample Range: 4660 - 16300 | Water Depth: 91 |
| Public Info Code: Y 30-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4660 / 4570 | DEF AT first sample examined | DEF AT |
| 4930 / 4830 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 8860 / 8611 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 9370 / 9103 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 10030 / 9745 | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT |
| 10780 / 10472 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 12820 / 12469 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT |
| 13480 / 13119 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 15790 / 15382 | DEF AT deepwater facies Listerella fauna | DEF AT |
| 16210 / 15785 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 16300 / 15870 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GI 34 | Date of Summary: 19-APR-1999 | First Sample Examined: 0 |
| Lease Number: G14553 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12646 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12600 |
| API Well Number: 177174041200 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 85 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9050 / 9049 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 9685 / 9683 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 11740 / 11694 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GI 40 | Date of Summary: 26-APR-1988 | First Sample Examined: 0 |
| Lease Number: 00130 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15370 |
| Well Name: G009 | Paleo Done By: OPERATOR | Borehole TVD: 13508 |
| API Well Number: 177174026100 | Drilling Operator: CONOCO INC | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 92 |
| Public Info Code: Y 31-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4100 / 3883 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 5830 / 5347 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 12880 / 11185 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 14040 / 12260 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GI 47 | Date of Summary: 01-JUN-1984 | First Sample Examined: 0 |
| Lease Number: 00133 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13221 |
| Well Name: C014 | Paleo Done By: OPERATOR | Borehole TVD: 13166 |
| API Well Number: 177174016400 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 88 |
| Public Info Code: Y 14-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7640 / 7587 | POS IN Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: GI 72 | Date of Summary: 02-APR-1990 | First Sample Examined: 820 |
| Lease Number: G09368 | Source of Paleo: OPERATOR | Borehole MD: 1865 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 1865 |
| API Well Number: 177174030500 | Drilling Operator: PENNZOIL SULPHUR COMPANY | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 820 - 1705 | Water Depth: 123 |
| Public Info Code: Y 27-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 820 / 820 | DEF AT first sample examined | POS AT 2 |
| 880 / 880 | DEF AT - - - - - | DEF AT 2 |
| 1240 / 1240 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 1470 / 1470 | DEF AT local marker foram decrease | DEF AT 2 |
| 1705 / 1705 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GI 79 | Date of Summary: 04-JUL-1988 | First Sample Examined: 0 |
| Lease Number: G05657 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8250 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 6116 |
| API Well Number: 177174027000 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 204 |
| Public Info Code: Y 04-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7285 / 5442 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: GI 88 | Date of Summary: 23-APR-1997 | First Sample Examined: 980 |
| Lease Number: G12990 | Source of Paleo: OPERATOR | Borehole MD: 8582 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8580 |
| API Well Number: 177184008400 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 980 - 8582 | Water Depth: 355 |
| Public Info Code: Y 10-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 980 / 980 | DEF AT first sample examined | DEF AT 2 |
| 1760 / 1760 | DEF AT - - - - - | DEF AT 3 |
| 2000 / 1999 | DEF AT - - - - - | DEF AT 2 |
| 3410 / 3409 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 3710 / 3709 | DEF AT - - - - - | DEF AT 4 |
| 3800 / 3799 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 4040 / 4039 | DEF AT - - - - - | DEF AT 3 |
| 4820 / 4819 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 5090 / 5089 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 5978 / 5977 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 5979 / 5978 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 5980 / 5979 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 4 |
| 6010 / 6009 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 6190 / 6189 | DEF AT - - - - - | DEF AT 3 |
| 6400 / 6399 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 3 |
| 6520 / 6519 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 3 |
| 6670 / 6669 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 8582 / 8580 | DEF AT last sample examined | POS AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: GI 88 | Date of Summary: 23-APR-1997 | First Sample Examined: 980 |
| Lease Number: G12990 | Source of Paleo: OPERATOR | Borehole MD: 8582 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8580 |
| API Well Number: 177184008400 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 980 - 8582 | Water Depth: 355 |
| Public Info Code: Y 10-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 980 / 980 | DEF AT first sample examined | DEF AT |
| 3350 / 3349 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 3710 / 3709 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 4760 / 4759 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 4820 / 4819 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 5950 / 5949 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 5980 / 5979 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 6040 / 6039 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 6400 / 6399 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 6430 / 6429 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 7900 / 7899 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 8320 / 8318 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 8582 / 8580 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GI 90 | Date of Summary: 19-MAR-1986 | First Sample Examined: 0 |
| Lease Number: G04003 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13365 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 13003 |
| API Well Number: 177184005400 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 218 |
| Public Info Code: Y 20-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7820 / 7587 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 10900 / 10540 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GI 90 | Date of Summary: 30-SEP-1997 | First Sample Examined: 9150 |
| Lease Number: G04003 | Source of Paleo: OPERATOR | Borehole MD: 13365 |
| Well Name: A003 | Paleo Done By: GEORGE J. CONSTANCE, JR. | Borehole TVD: 13003 |
| API Well Number: 177184005400 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 114 |
| Paleo Report Num: 2 of 2 | Sample Range: 9150 - 12720 | Water Depth: 218 |
| Public Info Code: Y 20-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9150 / 8836 | DEF AT first sample examined | DEF IN 3 |
| 10710 / 10351 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF IN 3 |
| 12120 / 11759 | POS AT Upper Miocene (Tortonian) Cyclammina 3 | DEF IN 3 |
| 12390 / 12028 | POS AT local marker benthic foram increase | DEF IN 3 |
| 12720 / 12358 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GI 101 | Date of Summary: 01-APR-1989 | First Sample Examined: 1153 |
| Lease Number: G05661 | Source of Paleo: OPERATOR | Borehole MD: 9300 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9300 |
| API Well Number: 177184006200 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 1153 - 9300 | Water Depth: 216 |
| Public Info Code: Y 10-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1153 / 1153 | DEF AT first sample examined | DEF AT |
| 1970 / 1970 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 2510 / 2510 | DEF AT - - - - - | DEF AT 4 |
| 2960 / 2960 | DEF AT - - - - - | DEF AT 2 |
| 4700 / 4700 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 4 |
| 5059 / 5059 | DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 5 |
| 5060 / 5060 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 5600 / 5600 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 5750 / 5750 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 5900 / 5900 | DEF AT - - - - - | DEF AT 3 |
| 5930 / 5930 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 6530 / 6530 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 3 |
| 6590 / 6590 | DEF AT - - - - - | DEF AT 5 |
| 6890 / 6890 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 5 |
| 6920 / 6920 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 6980 / 6980 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 7130 / 7130 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 5 |
| 7310 / 7310 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT 5 |
| 7340 / 7340 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7910 / 7910 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 8150 / 8150 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 5 |
| 8950 / 8950 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GI 101 | Date of Summary: 01-APR-1989 | First Sample Examined: 1153 |
| Lease Number: G05661 | Source of Paleo: OPERATOR | Borehole MD: 9300 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9300 |
| API Well Number: 177184006200 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 1153 - 9300 | Water Depth: 216 |
| Public Info Code: Y 10-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 9300 / 9300 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GI 102 | Date of Summary: 01-DEC-1988 | First Sample Examined: 1600 |
| Lease Number: G05662 | Source of Paleo: OPERATOR | Borehole MD: 16891 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16885 |
| API Well Number: 177184006000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 1600 - 16890 | Water Depth: 255 |
| Public Info Code: Y 24-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 1600 / 1600 | DEF AT first sample examined | DEF AT |
| 1601 / 1601 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 6879 / 6879 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 6880 / 6880 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 8470 / 8470 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 9190 / 9190 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 9639 / 9639 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 9640 / 9640 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 9820 / 9820 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 10660 / 10660 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 13480 / 13479 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 16890 / 16884 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GI 102 | Date of Summary: 02-DEC-1988 | First Sample Examined: 1600 |
| Lease Number: G05662 | Source of Paleo: OPERATOR | Borehole MD: 16891 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16885 |
| API Well Number: 177184006000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 1600 - 16860 | Water Depth: 255 |
| Public Info Code: Y 24-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1600 / 1600 | DEF AT first sample examined | DEF AT 3 |
| 2110 / 2110 | DEF AT - - - - | DEF AT 4 |
| 4510 / 4510 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 5920 / 5920 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 6100 / 6100 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 6760 / 6760 | DEF AT local marker benthic foram increase | DEF IN 5 |
| 7030 / 7030 | DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF IN 5 |
| 8590 / 8590 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 8710 / 8710 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF IN 5 |
| 9250 / 9250 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 5 |
| 9609 / 9609 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 9610 / 9610 | DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis | DEF IN 5 |
| 9700 / 9700 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF IN 5 |
| 9760 / 9760 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 9820 / 9820 | DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus | DEF IN 5 |
| 9910 / 9910 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 5 |
| 9940 / 9940 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF IN 5 |
| 11620 / 11619 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF IN 5 |
| 11930 / 11929 | DEF AT Eggerella 3 (local marker) | DEF IN 5 |
| 12490 / 12489 | DEF AT Eggerella sp. (local marker) | DEF IN 5 |
| 12610 / 12609 | DEF AT Bathysiphon fauna | DEF IN 5 |
| 13000 / 12999 | DEF AT Cyclammina cancellata (local marker) | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: GI 102 | Date of Summary: 02-DEC-1988 | First Sample Examined: 1600 |
| Lease Number: G05662 | Source of Paleo: OPERATOR | Borehole MD: 16891 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16885 |
| API Well Number: 177184006000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 1600 - 16860 | Water Depth: 255 |
| Public Info Code: Y 24-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13570 / 13569 | DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i> | DEF AT 6 |
| 13810 / 13808 | DEF AT Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / <i>nepenthes</i> "B" | DEF AT 6 |
| 13870 / 13868 | DEF AT Lower Pliocene (Zanclian) <i>Siphotextularia jugosa</i> / "J" | DEF AT 6 |
| 13900 / 13898 | DEF AT Lower Pliocene (Zanclian) <i>Sigmoilina</i> "P" / cf. <i>schlumbergeri</i> | DEF AT 6 |
| 16860 / 16854 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GI 102 | Date of Summary: 04-AUG-1992 | First Sample Examined: 5030 |
| Lease Number: G10870 | Source of Paleo: OPERATOR | Borehole MD: 14000 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10993 |
| API Well Number: 177184006900 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 2 | Sample Range: 5030 - 14000 | Water Depth: 255 |
| Public Info Code: Y 15-JUL-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5030 / 4192 | DEF AT first sample examined | DEF AT 4 |
| 7820 / 6293 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 9020 / 7208 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 9290 / 7411 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 5 |
| 11660 / 9163 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 12560 / 9847 | POS AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF IN 5 |
| 12620 / 9893 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF IN 5 |
| 13010 / 10190 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF IN 5 |
| 13100 / 10259 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 13250 / 10374 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 13520 / 10595 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 5 |
| 14000 / 10993 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GI 102 | Date of Summary: 04-AUG-1992 | First Sample Examined: 5030 |
| Lease Number: G10870 | Source of Paleo: OPERATOR | Borehole MD: 14000 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10993 |
| API Well Number: 177184006900 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 73 |
| Paleo Report Num: 2 of 2 | Sample Range: 5030 - 14540 | Water Depth: 255 |
| Public Info Code: Y 15-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5030 / 4192 | DEF AT first sample examined | DEF AT |
| 5660 / 4667 | DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood) | DEF AT |
| 7190 / 5798 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 8000 / 6432 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 8960 / 7163 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 9769 / 7766 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 9770 / 7767 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 11660 / 9163 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 12920 / 10122 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 13160 / 10305 | POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 13250 / 10374 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 13280 / 10397 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 14000 / 10993 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GI 102 | Date of Summary: 04-AUG-1992 | First Sample Examined: 5030 |
| Lease Number: G10870 | Source of Paleo: OPERATOR | Borehole MD: 14548 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11349 |
| API Well Number: 177184006971 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 5030 - 14540 | Water Depth: 255 |
| Public Info Code: Y 15-JUL-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 5030 / 4192 | DEF AT first sample examined | DEF AT 5 |
| 7820 / 6294 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 9020 / 7209 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 9290 / 7411 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF IN 5 |
| 11660 / 9163 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 13100 / 10260 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 13250 / 10374 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 13460 / 10529 | POS AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF IN 5 |
| 13520 / 10574 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 5 |
| 14540 / 11344 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GI 103 | Date of Summary: 15-JUL-1991 | First Sample Examined: 1800 |
| Lease Number: G10870 | Source of Paleo: OPERATOR | Borehole MD: 10505 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10504 |
| API Well Number: 177184006600 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 2 | Sample Range: 1800 - 10504 | Water Depth: 298 |
| Public Info Code: Y 15-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1800 / 1800 | DEF AT first sample examined | DEF AT |
| 5950 / 5950 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 7400 / 7400 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 7990 / 7990 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 9280 / 9279 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 10090 / 10089 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 10504 / 10503 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: GI 103 | Date of Summary: 16-JUL-1991 | First Sample Examined: 1800 |
| Lease Number: G10870 | Source of Paleo: OPERATOR | Borehole MD: 10505 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10504 |
| API Well Number: 177184006600 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 73 |
| Paleo Report Num: 2 of 2 | Sample Range: 1800 - 10504 | Water Depth: 298 |
| Public Info Code: Y 15-JUL-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 1800 / 1800 | DEF AT first sample examined | DEF AT 3 |
| 2430 / 2430 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 4780 / 4780 | DEF AT - - - - | DEF AT 5 |
| 5530 / 5530 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 6880 / 6880 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF IN 5 |
| 7400 / 7400 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 7570 / 7570 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF IN 5 |
| 8230 / 8230 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 9280 / 9279 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF IN 5 |
| 10060 / 10059 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF IN 5 |
| 10120 / 10119 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF IN 5 |
| 10150 / 10149 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 5 |
| 10504 / 10503 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: GI 106 | Date of Summary: 29-AUG-1994 | First Sample Examined: 0 |
| Lease Number: G10871 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11096 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9147 |
| API Well Number: 177184007500 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 331 |
| Public Info Code: Y 27-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7286 / 6568 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 9836 / 8297 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: HI 19 | Date of Summary: 25-JAN-1999 | First Sample Examined: 0 |
| Lease Number: G14153 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13627 |
| API Well Number: 427084048100 | Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LL | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 41 |
| Public Info Code: Y 29-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 9170 / 9170 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 9380 / 9379 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 9890 / 9887 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |
| 12514 / 12054 | DEF IN Lower Miocene (Aquitanian) Planulina palmerae | DEF AT |
| 14270 / 13437 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: HI 20 | Date of Summary: 15-JUL-1991 | First Sample Examined: 6270 |
| Lease Number: G11343 | Source of Paleo: OPERATOR | Borehole MD: 16034 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14500 |
| API Well Number: 427084034100 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 4200 - 16034 | Water Depth: 38 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 6270 / 6270 | DEF AT first sample examined | DEF AT 1 |
| 6480 / 6480 | DEF AT ----- | DEF AT 2 |
| 6600 / 6600 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 7020 / 7019 | DEF AT ----- | DEF AT 1 |
| 8130 / 8096 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |
| 8460 / 8397 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 9300 / 9096 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 2 |
| 9660 / 9389 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 2 |
| 10260 / 9887 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT 2 |
| 10380 / 9987 | DEF AT ----- | DEF AT 3 |
| 10770 / 10304 | DEF AT ----- | DEF AT 2 |
| 12060 / 11368 | DEF AT ----- | DEF AT 3 |
| 12150 / 11447 | DEF AT ----- | DEF AT 2 |
| 13080 / 12250 | DEF AT ----- | DEF AT 3 |
| 13320 / 12452 | DEF AT ----- | DEF AT 2 |
| 14010 / 13001 | DEF AT ----- | DEF AT 1 |
| 15690 / 14230 | DEF AT ----- | DEF AT 2 |
| 15870 / 14371 | DEF AT ----- | DEF AT 3 |
| 16034 / 14502 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 21 | Date of Summary: 19-SEP-1984 | First Sample Examined: 8010 |
| Lease Number: G06136 | Source of Paleo: OPERATOR | Borehole MD: 14888 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14881 |
| API Well Number: 427084015800 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 120 |
| Paleo Report Num: 1 of 1 | Sample Range: 8010 - 14888 | Water Depth: 40 |
| Public Info Code: Y 21-OCT-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 8010 / 8010 | DEF AT first sample examined | DEF IN 2 |
| 8220 / 8220 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 8910 / 8909 | DEF AT - - - - - | DEF AT 3 |
| 9030 / 9029 | POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 9360 / 9359 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 10410 / 10408 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 3 |
| 14040 / 14034 | DEF AT - - - - - | DEF AT 4 |
| 14220 / 14214 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT 4 |
| 14888 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 21 | Date of Summary: 02-FEB-2001 | First Sample Examined: 0 |
| Lease Number: G06136 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13703 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 13328 |
| API Well Number: 427084019500 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 118 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 36 |
| Public Info Code: Y 15-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 8000 / 7637 | DEF AT - - - - - | DEF AT 2 |
| 8570 / 8205 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 9170 / 8794 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 9530 / 9154 | DEF AT Lower Miocene (Aquitanian) Siphonina davisi | DEF AT 3 |
| 11700 / 11322 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 22 | Date of Summary: 16-JUL-1986 | First Sample Examined: 0 |
| Lease Number: G05006 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14864 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 13932 |
| API Well Number: 427084014900 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 36 |
| Public Info Code: Y 31-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8630 / 8208 | DEF AT - - - - - | DEF AT 3 |
| 8690 / 8262 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 9500 / 8999 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 9740 / 9218 | DEF AT Lower Miocene (Aquitanian) Siphonina davisi | DEF AT 3 |
| 10970 / 10356 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 22 | Date of Summary: 09-APR-1986 | First Sample Examined: 7500 |
| Lease Number: G05006 | Source of Paleo: OPERATOR | Borehole MD: 14300 |
| Well Name: B003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13626 |
| API Well Number: 427084020500 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 118 |
| Paleo Report Num: 1 of 3 | Sample Range: 7500 - 13440 | Water Depth: 36 |
| Public Info Code: Y 08-MAR-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 7500 / 7476 | DEF AT first sample examined | DEF IN 2 |
| 8280 / 8188 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF IN 2 |
| 8400 / 8296 | DEF AT - - - - - | DEF AT 3 |
| 9060 / 8897 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 9360 / 9174 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 11010 / 10715 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 3 |
| 13440 / 12870 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: HI 22 | Date of Summary: 09-APR-1986 | First Sample Examined: 13020 |
| Lease Number: G05006 | Source of Paleo: OPERATOR | Borehole MD: 14300 |
| Well Name: B003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13626 |
| API Well Number: 427084020500 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 118 |
| Paleo Report Num: 2 of 3 | Sample Range: 13020 - 14050 | Water Depth: 36 |
| Public Info Code: Y 08-MAR-1996 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 13020 / 12506 | DEF AT first sample examined | DEF AT 3 |
| 14050 / 13406 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: HI 22 | Date of Summary: 09-APR-1986 | First Sample Examined: 13990 |
| Lease Number: G05006 | Source of Paleo: OPERATOR | Borehole MD: 14300 |
| Well Name: B003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13626 |
| API Well Number: 427084020500 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 118 |
| Paleo Report Num: 3 of 3 | Sample Range: 13990 - 14300 | Water Depth: 36 |
| Public Info Code: Y 08-MAR-1996 | Ecozone Eq MMS: Y | Paleo ID: 004 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 13990 / 13353 | DEF AT first sample examined | DEF AT 3 |
| 14300 / 13626 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 34 | Date of Summary: 20-DEC-1985 | First Sample Examined: 7990 |
| Lease Number: G06137 | Source of Paleo: OPERATOR | Borehole MD: 15090 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15088 |
| API Well Number: 427084020400 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 118 |
| Paleo Report Num: 1 of 1 | Sample Range: 7990 - 15090 | Water Depth: 36 |
| Public Info Code: Y 10-NOV-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 7990 / 7990 | DEF AT first sample examined | DEF IN 2 |
| 8410 / 8410 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 9160 / 9160 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 9430 / 9430 | DEF AT Lower Miocene (Aquitanian) Siphonina davisi | DEF AT 3 |
| 9580 / 9580 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT 3 |
| 10690 / 10690 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 3 |
| 11830 / 11830 | DEF AT - - - - - | DEF AT 4 |
| 15090 / 15089 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 34 | Date of Summary: 21-JUL-1989 | First Sample Examined: 0 |
| Lease Number: G06137 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13500 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 13500 |
| API Well Number: 427084030900 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 37 |
| Public Info Code: Y 27-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 8020 / 8020 | DEF AT ----- | DEF AT 2 |
| 8740 / 8740 | DEF AT ----- | DEF AT 3 |
| 9580 / 9579 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 9880 / 9879 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT 3 |
| 10540 / 10539 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 3 |
| 11950 / 11949 | DEF AT ----- | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: HI 36 | Date of Summary: 18-DEC-1995 | First Sample Examined: 10700 |
| Lease Number: G13791 | Source of Paleo: OPERATOR | Borehole MD: 13138 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12370 |
| API Well Number: 427084040300 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 10700 - 13138 | Water Depth: 41 |
| Public Info Code: Y 30-NOV-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10700 / 10183 | DEF AT first sample examined | DEF AT 2 |
| 11297 / 10730 | DEF AT local marker foram increase | DEF IN 2 |
| 11750 / 11146 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF IN 2 |
| 11827 / 11214 | DEF AT local marker foram increase | DEF AT 3 |
| 12291 / 11630 | DEF AT local marker foram increase | DEF IN 2 |
| 13138 / 12370 | DEF AT last sample examined | DEF IN 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: HI 36 | Date of Summary: 21-DEC-1995 | First Sample Examined: 13138 |
| Lease Number: G13791 | Source of Paleo: OPERATOR | Borehole MD: 16326 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15246 |
| API Well Number: 427084040371 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 13138 - 16320 | Water Depth: 41 |
| Public Info Code: Y 30-NOV-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13138 / 12403 | DEF AT first sample examined | DEF IN 2 |
| 13740 / 12951 | DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri | DEF IN 2 |
| 14130 / 13304 | DEF AT - - - - - | DEF AT 4 |
| 16320 / 15240 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 39 | Date of Summary: 03-JAN-1985 | First Sample Examined: 9515 |
| Lease Number: G04078 | Source of Paleo: OPERATOR | Borehole MD: 15200 |
| Well Name: 006 | Paleo Done By: OPERATOR | Borehole TVD: 15187 |
| API Well Number: 427104004000 | Drilling Operator: SUPERIOR OIL COMPANY | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 9515 - 15200 | Water Depth: 36 |
| Public Info Code: Y 20-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 9515 / 9515 | DEF AT first sample examined | DEF AT 3 |
| 9516 / 9516 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 9590 / 9590 | DEF AT local marker floral increase | DEF AT 3 |
| 9620 / 9620 | POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 10820 / 10818 | DEF AT local marker floral increase | DEF AT 3 |
| 11620 / 11617 | DEF AT local marker floral increase | DEF AT 3 |
| 12370 / 12366 | DEF AT fault | DEF AT 4 |
| 13270 / 13265 | DEF AT local marker (general) | DEF AT 4 |
| 13690 / 13683 | DEF IN Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 4 |
| 14200 / 14190 | DEF AT local marker floral increase | DEF AT 4 |
| 14410 / 14400 | DEF AT - - - - - | POS AT 5 |
| 14530 / 14519 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT 5 |
| 15200 / 15187 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 67 | Date of Summary: 31-MAY-1994 | First Sample Examined: 0 |
| Lease Number: G11346 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10330 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10329 |
| API Well Number: 427084039900 | Drilling Operator: PEL-TEX OIL COMPANY | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 47 |
| Public Info Code: Y 15-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9878 / 9877 | DEF IN Lower Miocene (Aquitanian) Siphonina davis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 68 | Date of Summary: 10-JAN-1995 | First Sample Examined: 0 |
| Lease Number: G11347 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12211 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12200 |
| API Well Number: 427084040800 | Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 45 |
| Public Info Code: Y 15-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6030 / 6023 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8130 / 8121 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9240 / 9231 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 9450 / 9441 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 71 | Date of Summary: 18-SEP-1985 | First Sample Examined: 7000 |
| Lease Number: G01812 | Source of Paleo: OPERATOR | Borehole MD: 7908 |
| Well Name: B001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7908 |
| API Well Number: 427084020600 | Drilling Operator: TEXAS EASTERN EXPLORATION CO | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 2 | Sample Range: 7000 - 7900 | Water Depth: 35 |
| Public Info Code: Y 27-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7000 / 7000 | DEF AT first sample examined | DEF IN 3 |
| 7001 / 7001 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF IN 3 |
| 7090 / 7090 | DEF AT local marker foram decrease | DEF IN 3 |
| 7240 / 7240 | POS AT Middle Miocene (Serravallian) Cristellaria "I" | DEF IN 3 |
| 7270 / 7270 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF IN 3 |
| 7300 / 7300 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF IN 3 |
| 7450 / 7450 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF IN 3 |
| 7900 / 7899 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 71 | Date of Summary: 06-FEB-1986 | First Sample Examined: 7000 |
| Lease Number: G01812 | Source of Paleo: OPERATOR | Borehole MD: 7908 |
| Well Name: B001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7908 |
| API Well Number: 427084020600 | Drilling Operator: TEXAS EASTERN EXPLORATION CO | Rkb Elevation: 79 |
| Paleo Report Num: 2 of 2 | Sample Range: 7000 - 7900 | Water Depth: 35 |
| Public Info Code: Y 27-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 7000 / 7000 | DEF AT first sample examined | DEF IN 3 |
| 7001 / 7001 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF IN 3 |
| 7240 / 7240 | POS AT Middle Miocene (Serravallian) Cristellaria "I" | DEF IN 3 |
| 7450 / 7450 | POS AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 4 |
| 7570 / 7570 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 4 |
| 7630 / 7629 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 4 |
| 7720 / 7719 | DEF AT - - - - - | DEF AT 3 |
| 7900 / 7899 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 71 | Date of Summary: 13-JAN-1986 | First Sample Examined: 6000 |
| Lease Number: G01812 | Source of Paleo: OPERATOR | Borehole MD: 8956 |
| Well Name: B002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8159 |
| API Well Number: 427084022300 | Drilling Operator: TEXAS EASTERN EXPLORATION CO | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 8940 | Water Depth: 35 |
| Public Info Code: Y 02-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 6000 / 5479 | DEF AT first sample examined | DEF IN 3 |
| 6210 / 5667 | DEF AT - - - - - | DEF IN 2 |
| 6930 / 6308 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 7230 / 6573 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 7530 / 6841 | DEF AT - - - - - | DEF IN 3 |
| 8160 / 7419 | DEF AT - - - - - | DEF AT 4 |
| 8250 / 7504 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 4 |
| 8430 / 7673 | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 4 |
| 8460 / 7702 | POS AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 4 |
| 8520 / 7758 | DEF AT - - - - - | DEF AT 3 |
| 8940 / 8147 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 72 | Date of Summary: 25-MAR-1997 | First Sample Examined: 0 |
| Lease Number: G14859 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8010 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8009 |
| API Well Number: 427084044700 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 34 |
| Public Info Code: Y 30-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 4162 / 4162 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 4914 / 4914 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 5389 / 5388 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 5582 / 5581 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 5955 / 5954 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 6685 / 6684 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 7096 / 7095 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7755 / 7754 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|------------------------------|
| Area Block: HI 74 | Date of Summary: 28-AUG-1995 | First Sample Examined: 11590 |
| Lease Number: G12566 | Source of Paleo: OPERATOR | Borehole MD: 15005 |
| Well Name: 001 | Paleo Done By: DANA LYNNE GRIFFITH | Borehole TVD: 15004 |
| API Well Number: 427104011700 | Drilling Operator: CONOCO INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 11590 - 15005 | Water Depth: 31 |
| Public Info Code: Y 16-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11590 / 11590 | DEF AT first sample examined | DEF AT 2 |
| 12740 / 12740 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 2 |
| 12920 / 12919 | DEF AT - - - - - | DEF AT 3 |
| 13340 / 13339 | DEF AT - - - - - | DEF AT 4 |
| 13685 / 13684 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 4 |
| 13880 / 13879 | POS AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT 5 |
| 14180 / 14179 | DEF AT - - - - - | DEF AT 4 |
| 14195 / 14194 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT 4 |
| 14480 / 14479 | DEF AT - - - - - | DEF AT 3 |
| 14870 / 14869 | DEF AT - - - - - | DEF AT 4 |
| 14930 / 14929 | DEF AT - - - - - | DEF AT 3 |
| 14990 / 14989 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 74 | Date of Summary: 21-DEC-1995 | First Sample Examined: 0 |
| Lease Number: G14183 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12914 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 11000 |
| API Well Number: 427104012000 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 41 |
| Public Info Code: Y 20-FEB-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6465 / 6399 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 9220 / 8448 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 76 | Date of Summary: 24-MAY-1994 | First Sample Examined: 0 |
| Lease Number: G12568 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10587 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9873 |
| API Well Number: 427104011300 | Drilling Operator: W & T OFFSHORE INC | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 40 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6840 / 6838 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8760 / 8571 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10070 / 9532 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 85 | Date of Summary: 06-MAY-1997 | First Sample Examined: 0 |
| Lease Number: G14183 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9377 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9377 |
| API Well Number: 427104012600 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 43 |
| Public Info Code: Y 20-FEB-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6300 / 6300 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8250 / 8249 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 87 | Date of Summary: 14-MAY-1990 | First Sample Examined: 4300 |
| Lease Number: G11349 | Source of Paleo: OPERATOR | Borehole MD: 11257 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9074 |
| API Well Number: 427084033000 | Drilling Operator: POGO PRODUCING COMPANY | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 4300 - 11256 | Water Depth: 43 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4300 / 4300 | DEF AT first sample examined | DEF AT 2 |
| 4301 / 4301 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 5350 / 5316 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 5950 / 5841 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 6640 / 6357 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 8370 / 7560 | POS AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 3 |
| 10320 / 8581 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 10440 / 8642 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 11256 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 90 | Date of Summary: 05-FEB-1997 | First Sample Examined: 0 |
| Lease Number: G13323 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13069 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11040 |
| API Well Number: 427084044400 | Drilling Operator: BRITISH-BORNEO USA INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 40 |
| Public Info Code: Y 08-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8093 / 7231 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9780 / 8473 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 10730 / 9195 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 93 | Date of Summary: 22-OCT-1996 | First Sample Examined: 0 |
| Lease Number: G11352 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9800 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9800 |
| API Well Number: 427084038800 | Drilling Operator: GENERAL ATLANTIC ENERGY CORP | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 46 |
| Public Info Code: Y 25-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6410 / 6410 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8615 / 8615 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 9253 / 9253 | DEF IN Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--------------------------------------|-----------------------------|
| Area Block: HI 105 | Date of Summary: 02-NOV-1984 | First Sample Examined: 6000 |
| Lease Number: G04076 | Source of Paleo: OPERATOR | Borehole MD: 9800 |
| Well Name: 001 | Paleo Done By: STORK & ASS. | Borehole TVD: 9798 |
| API Well Number: 427084016300 | Drilling Operator: PELTO OIL COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 3510 - 9800 | Water Depth: 45 |
| Public Info Code: Y 13-OCT-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 6000 / 5999 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 6240 / 6239 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 1 |
| 6600 / 6599 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 1 |
| 7350 / 7349 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |
| 8460 / 8458 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 1 |
| 8790 / 8788 | DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT 1 |
| 9240 / 9238 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 1 |
| 9570 / 9568 | DEF AT deepwater facies Planulina | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--------------------------------------|-----------------------------|
| Area Block: HI 105 | Date of Summary: 15-JAN-1985 | First Sample Examined: 3400 |
| Lease Number: G04076 | Source of Paleo: OPERATOR | Borehole MD: 9200 |
| Well Name: 002 | Paleo Done By: JACK COLLE | Borehole TVD: 9200 |
| API Well Number: 427084017200 | Drilling Operator: PELTO OIL COMPANY | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 3400 - 9200 | Water Depth: 47 |
| Public Info Code: Y 18-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 3400 / 3400 | DEF AT first sample examined | DEF AT |
| 3401 / 3401 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5950 / 5950 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 6520 / 6520 | DEF AT local marker benthic foram increase | DEF AT |
| 6550 / 6550 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 7990 / 7990 | POS AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8260 / 8260 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8261 / 8261 | POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 8710 / 8709 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 8800 / 8799 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |
| 9200 / 9199 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--------------------------------------|-----------------------------|
| Area Block: HI 105 | Date of Summary: 17-JUN-1985 | First Sample Examined: 9100 |
| Lease Number: G04076 | Source of Paleo: OPERATOR | Borehole MD: 10300 |
| Well Name: 003 | Paleo Done By: JACK COLLE | Borehole TVD: 10298 |
| API Well Number: 427084018800 | Drilling Operator: PELTO OIL COMPANY | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 9100 - 10300 | Water Depth: 44 |
| Public Info Code: Y 06-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9100 / 9099 | DEF AT first sample examined | DEF AT |
| 9101 / 9100 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9560 / 9559 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 10100 / 10098 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |
| 10300 / 10298 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--------------------------------------|-----------------------------|
| Area Block: HI 105 | Date of Summary: 03-OCT-1985 | First Sample Examined: 7000 |
| Lease Number: G04076 | Source of Paleo: OPERATOR | Borehole MD: 10575 |
| Well Name: A001 | Paleo Done By: JACK COLLE | Borehole TVD: 10121 |
| API Well Number: 427084020800 | Drilling Operator: PELTO OIL COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 10570 | Water Depth: 46 |
| Public Info Code: Y 12-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7000 / 6851 | DEF AT first sample examined | DEF AT |
| 7001 / 6852 | DEF IN Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8800 / 8481 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 9130 / 8781 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 10150 / 9721 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 10480 / 10031 | POS AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |
| 10570 / 10116 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 108 | Date of Summary: 25-MAR-1999 | First Sample Examined: 0 |
| Lease Number: G15776 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10169 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9900 |
| API Well Number: 427084042600 | Drilling Operator: IP PETROLEUM COMPANY INC | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 28-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9480 / 9331 | DEF IN Lower Miocene (Aquitanian) Siphonina davis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 108 | Date of Summary: 01-OCT-1996 | First Sample Examined: 0 |
| Lease Number: G15776 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10534 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 10119 |
| API Well Number: 427084043600 | Drilling Operator: IP PETROLEUM COMPANY INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 49 |
| Public Info Code: Y 28-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9666 / 9356 | DEF IN Lower Miocene (Aquitanian) Siphonina davis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 108 | Date of Summary: 23-APR-1999 | First Sample Examined: 0 |
| Lease Number: G15776 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10861 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 10052 |
| API Well Number: 427084044600 | Drilling Operator: IP PETROLEUM COMPANY INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 49 |
| Public Info Code: Y 28-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9995 / 9423 | DEF IN Lower Miocene (Aquitanian) Siphonina davis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI 111 | Date of Summary: 11-OCT-1984 | First Sample Examined: 4600 |
| Lease Number: G02354 | Source of Paleo: OPERATOR | Borehole MD: 14830 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 14615 |
| API Well Number: 427084015100 | Drilling Operator: FOUR STAR OIL & GAS COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 4600 - 14830 | Water Depth: 45 |
| Public Info Code: Y 31-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 4600 / 4600 | DEF AT first sample examined | DEF AT 2 |
| 5140 / 5140 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5590 / 5590 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 5770 / 5770 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 6850 / 6849 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 3 |
| 7450 / 7449 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 4 |
| 7750 / 7749 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 4 |
| 8890 / 8889 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 4 |
| 9130 / 9129 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9640 / 9639 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 9760 / 9759 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 4 |
| 10420 / 10419 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 5 |
| 12429 / 12328 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 5 |
| 12430 / 12329 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT 5 |
| 12460 / 12356 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13538 / 13354 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 13539 / 13355 | DEF AT Cyclammina sp. (local marker) | DEF AT 4 |
| 13540 / 13356 | DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT 4 |
| 14830 / 14617 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 115 | Date of Summary: 24-AUG-1984 | First Sample Examined: 3100 |
| Lease Number: G06156 | Source of Paleo: OPERATOR | Borehole MD: 12217 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11129 |
| API Well Number: 427084015000 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 2 | Sample Range: 3100 - 10990 | Water Depth: 44 |
| Public Info Code: Y 28-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 3100 / 3100 | DEF AT first sample examined | DEF AT |
| 3101 / 3101 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 3160 / 3160 | DEF AT local marker foram increase | DEF AT |
| 3460 / 3460 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 4000 / 4000 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 4420 / 4420 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4870 / 4870 | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |
| 5020 / 5020 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 5470 / 5470 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 5710 / 5709 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6250 / 6227 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 6400 / 6364 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT |
| 7990 / 7712 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 8980 / 8523 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10080 / 9395 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 10990 / 10118 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: HI 115 | Date of Summary: 24-AUG-1984 | First Sample Examined: 10436 |
| Lease Number: G06156 | Source of Paleo: OPERATOR | Borehole MD: 12217 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11129 |
| API Well Number: 427084015000 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 2 of 2 | Sample Range: 10436 - 12190 | Water Depth: 44 |
| Public Info Code: Y 28-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10436 / 9675 | DEF AT first sample examined | DEF AT |
| 11650 / 10661 | DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT |
| 11860 / 10835 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 12190 / 11107 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 116 | Date of Summary: 02-OCT-1984 | First Sample Examined: 3340 |
| Lease Number: G06156 | Source of Paleo: OPERATOR | Borehole MD: 9968 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9223 |
| API Well Number: 427084016400 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 3340 - 9968 | Water Depth: 44 |
| Public Info Code: Y 20-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 3340 / 3230 | DEF AT first sample examined | DEF AT |
| 3341 / 3231 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 3820 / 3657 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 4000 / 3818 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 4600 / 4352 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5120 / 4820 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 5660 / 5307 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 6110 / 5712 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6740 / 6280 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8150 / 7567 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT |
| 8367 / 7760 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 9260 / 8568 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9968 / 9222 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 116 | Date of Summary: 23-OCT-1986 | First Sample Examined: 0 |
| Lease Number: G06156 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11882 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 10729 |
| API Well Number: 427084017600 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 44 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 2200 / 2198 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 2380 / 2378 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 3340 / 3338 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5010 / 5008 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 5310 / 5307 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 5700 / 5687 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6810 / 6624 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 6990 / 6767 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7830 / 7440 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8130 / 7684 | DEF IN Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 9120 / 8500 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 116 | Date of Summary: 02-JUL-1985 | First Sample Examined: 1100 |
| Lease Number: G06156 | Source of Paleo: OPERATOR | Borehole MD: 10103 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 8013 |
| API Well Number: 427084018300 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 1100 - 10103 | Water Depth: 44 |
| Public Info Code: Y 17-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1100 / 1100 | DEF AT first sample examined | DEF AT 1 |
| 1760 / 1747 | DEF AT non-marine sediment | DEF AT 0 |
| 1761 / 1748 | DEF AT - - - - - | DEF AT 1 |
| 1940 / 1915 | DEF AT non-marine sediment | DEF AT 0 |
| 2600 / 2521 | DEF AT non-marine sediment | DEF AT 0 |
| 2601 / 2522 | DEF AT - - - - - | DEF AT 1 |
| 2660 / 2573 | DEF AT - - - - - | DEF AT 1 |
| 2840 / 2724 | DEF AT reworked material | DEF AT 1 |
| 3500 / 3231 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 1 |
| 3560 / 3276 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 3680 / 3368 | POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 1 |
| 3980 / 3599 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 1 |
| 4940 / 4332 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 1 |
| 5280 / 4589 | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 1 |
| 5400 / 4676 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT 1 |
| 5760 / 4948 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 6630 / 5594 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 2 |
| 6660 / 5616 | DEF AT local marker foram increase | DEF AT 2 |
| 6870 / 5770 | DEF AT - - - - - | DEF AT 1 |
| 7230 / 6027 | DEF AT - - - - - | DEF AT 2 |
| 7590 / 6279 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 8490 / 6900 | DEF AT reworked material | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 116 | Date of Summary: 02-JUL-1985 | First Sample Examined: 1100 |
| Lease Number: G06156 | Source of Paleo: OPERATOR | Borehole MD: 10103 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 8013 |
| API Well Number: 427084018300 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 1100 - 10103 | Water Depth: 44 |
| Public Info Code: Y 17-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8700 / 7044 | DEF AT reworked material | DEF AT 1 |
| 8910 / 7185 | DEF AT - - - - - | DEF AT 2 |
| 8970 / 7226 | DEF AT reworked material | DEF AT 2 |
| 9570 / 7637 | DEF AT reworked material | DEF AT 2 |
| 9930 / 7891 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 2 |
| 10103 / 8013 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: HI 116 | Date of Summary: 08-AUG-1985 | First Sample Examined: 400 |
| Lease Number: G06156 | Source of Paleo: OPERATOR | Borehole MD: 9880 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 7818 |
| API Well Number: 427084019100 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 400 - 9880 | Water Depth: 45 |
| Public Info Code: Y 02-JUL-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 400 / 400 | DEF AT first sample examined | DEF AT 1 |
| 401 / 401 | DEF IN local marker benthic foram increase | DEF AT 1 |
| 700 / 700 | DEF AT non-marine sediment | DEF AT 0 |
| 760 / 760 | DEF AT - - - - - | DEF AT 1 |
| 940 / 940 | DEF AT non-marine sediment | DEF AT 0 |
| 1060 / 1060 | DEF AT local marker benthic foram increase | DEF AT 1 |
| 1240 / 1240 | DEF AT non-marine sediment | DEF AT 0 |
| 5820 / 4935 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT 2 |
| 5940 / 5020 | DEF AT Arenaceous fauna (local marker) | DEF AT 1 |
| 6120 / 5147 | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 6300 / 5274 | DEF AT - - - - - | DEF IN 1 |
| 6690 / 5551 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 1 |
| 6750 / 5594 | DEF AT local marker benthic foram increase | DEF AT 1 |
| 7170 / 5891 | DEF AT - - - - - | DEF IN 1 |
| 7320 / 5998 | DEF AT miliolid limestone | DEF IN 1 |
| 7440 / 6083 | DEF AT - - - - - | DEF AT 2 |
| 7620 / 6211 | POS AT reworked material | DEF AT 2 |
| 7740 / 6297 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 7800 / 6340 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 7920 / 6428 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 8249 / 6672 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 2 |
| 8250 / 6673 | POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: HI 116 | Date of Summary: 08-AUG-1985 | First Sample Examined: 400 |
| Lease Number: G06156 | Source of Paleo: OPERATOR | Borehole MD: 9880 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 7818 |
| API Well Number: 427084019100 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 400 - 9880 | Water Depth: 45 |
| Public Info Code: Y 02-JUL-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8430 / 6803 | DEF AT Bathysiphon fauna | DEF AT 2 |
| 8760 / 7027 | DEF AT - - - - - | DEF IN 1 |
| 9030 / 7207 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 2 |
| 9360 / 7437 | POS AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 2 |
| 9600 / 7610 | POS AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 9660 / 7654 | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 9880 / 7817 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 119 | Date of Summary: 08-SEP-1997 | First Sample Examined: 0 |
| Lease Number: G14882 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14007 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12740 |
| API Well Number: 427104012200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 30-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 6710 / 6710 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT |
| 7160 / 7160 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7700 / 7698 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 8255 / 8244 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 9730 / 9602 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 120 | Date of Summary: 07-NOV-1996 | First Sample Examined: 0 |
| Lease Number: G05009 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10505 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9498 |
| API Well Number: 427104008800 | Drilling Operator: EOG RESOURCES INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 49 |
| Public Info Code: Y 30-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10116 / 9157 | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 120 | Date of Summary: 19-OCT-1988 | First Sample Examined: 0 |
| Lease Number: G09100 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9440 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9439 |
| API Well Number: 427104008000 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 49 |
| Public Info Code: Y 07-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9032 / 9031 | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI 129 | Date of Summary: 18-JAN-1984 | First Sample Examined: 3050 |
| Lease Number: G01848 | Source of Paleo: OPERATOR | Borehole MD: 12270 |
| Well Name: 008 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 12185 |
| API Well Number: 427104002300 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 3050 - 12350 | Water Depth: 49 |
| Public Info Code: Y 21-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3050 / 3050 | DEF AT first sample examined | DEF AT 1 |
| 3620 / 3620 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 5150 / 5150 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 1 |
| 5990 / 5990 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 6200 / 6200 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 1 |
| 6380 / 6380 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 7250 / 7250 | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT 1 |
| 7280 / 7280 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 1 |
| 7640 / 7640 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 8690 / 8690 | POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 1 |
| 8810 / 8810 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 1 |
| 9200 / 9200 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 1 |
| 9740 / 9740 | DEF AT Eggerella sp. (local marker) | DEF AT |
| 9860 / 9860 | DEF IN Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 9920 / 9920 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 10010 / 10010 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 10160 / 10160 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 10280 / 10279 | POS AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |
| 10310 / 10309 | DEF AT sample gap top | POS AT 1 |
| 10340 / 10339 | DEF AT sample gap bottom | DEF AT 1 |
| 10939 / 10927 | POS AT unconformity | DEF AT 1 |
| 10940 / 10928 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|------------------------------------|
| Area Block: HI 129 | Date of Summary: 18-JAN-1984 | First Sample Examined: 3050 |
| Lease Number: G01848 | Source of Paleo: OPERATOR | Borehole MD: 12270 |
| Well Name: 008 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 12185 |
| API Well Number: 427104002300 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 3050 - 12350 | Water Depth: 49 |
| Public Info Code: Y 21-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10970 / 10956 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 11540 / 11488 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 12350 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI 129 | Date of Summary: 09-APR-1984 | First Sample Examined: 3040 |
| Lease Number: G01848 | Source of Paleo: OPERATOR | Borehole MD: 9101 |
| Well Name: 009 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 9097 |
| API Well Number: 427104002500 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 1 | Sample Range: 3040 - 9100 | Water Depth: 48 |
| Public Info Code: Y 26-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3040 / 3040 | DEF AT first sample examined | DEF AT 1 |
| 3670 / 3670 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 4690 / 4690 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 1 |
| 5020 / 5020 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 1 |
| 5950 / 5949 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 6280 / 6279 | POS AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 1 |
| 6400 / 6399 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 7270 / 7269 | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT 1 |
| 7360 / 7359 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 1 |
| 7780 / 7778 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 8560 / 8557 | POS AT faunal change (no faunal increase) | DEF AT 2 |
| 8590 / 8587 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 8890 / 8887 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 1 |
| 8950 / 8947 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 1 |
| 9010 / 9007 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 129 | Date of Summary: 07-JUN-1984 | First Sample Examined: 0 |
| Lease Number: G01848 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9165 |
| Well Name: 010 | Paleo Done By: OPERATOR | Borehole TVD: 8987 |
| API Well Number: 427104002800 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 60 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 48 |
| Public Info Code: Y 21-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 3670 / 3548 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 4690 / 4525 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 5020 / 4848 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5950 / 5773 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6280 / 6102 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6400 / 6222 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7270 / 7092 | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT |
| 7360 / 7182 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 7780 / 7602 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8890 / 8712 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI 129 | Date of Summary: 29-JAN-1986 | First Sample Examined: 4530 |
| Lease Number: G01848 | Source of Paleo: OPERATOR | Borehole MD: 13600 |
| Well Name: 011 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13600 |
| API Well Number: 427104005200 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 2 | Sample Range: 4530 - 13610 | Water Depth: 48 |
| Public Info Code: Y 07-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4530 / 4530 | DEF AT first sample examined | DEF IN 3 |
| 5100 / 5100 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 5490 / 5490 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 6570 / 6570 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 7200 / 7200 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 7500 / 7500 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 8190 / 8190 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 8520 / 8520 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 9150 / 9150 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 3 |
| 10440 / 10440 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 10680 / 10680 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 13610 / 13610 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 129 | Date of Summary: 21-FEB-1986 | First Sample Examined: 0 |
| Lease Number: G01848 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13600 |
| Well Name: 011 | Paleo Done By: OPERATOR | Borehole TVD: 13600 |
| API Well Number: 427104005200 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 48 |
| Public Info Code: Y 07-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11677 / 11677 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 129 | Date of Summary: 29-AUG-1988 | First Sample Examined: 0 |
| Lease Number: G01848 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10524 |
| Well Name: 012 | Paleo Done By: OPERATOR | Borehole TVD: 10524 |
| API Well Number: 427104007400 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 06-JAN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 5640 / 5639 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6540 / 6539 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7230 / 7229 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7680 / 7679 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 8400 / 8399 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 8790 / 8789 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 9420 / 9419 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|------------------------------|
| Area Block: HI 134 | Date of Summary: 09-JUL-1987 | First Sample Examined: 10143 |
| Lease Number: G06158 | Source of Paleo: OPERATOR | Borehole MD: 11600 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9887 |
| API Well Number: 427084025000 | Drilling Operator: CONOCO INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 10143 - 11013 | Water Depth: 49 |
| Public Info Code: Y 19-JUL-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10143 / 8719 | DEF AT first sample examined | DEF AT 3 |
| 10144 / 8720 | DEF IN Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 3 |
| 10353 / 8888 | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 3 |
| 10653 / 9130 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 10983 / 9396 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 134 | Date of Summary: 20-DEC-1988 | First Sample Examined: 0 |
| Lease Number: G06158 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14206 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 13531 |
| API Well Number: 427084021000 | Drilling Operator: CONOCO INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 49 |
| Public Info Code: Y 02-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 4800 / 4797 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7150 / 7046 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7950 / 7778 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 8550 / 8336 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8850 / 8617 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT |
| 9600 / 9298 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 10550 / 10168 | DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT |
| 11100 / 10669 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 14000 / 13336 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 137 | Date of Summary: 21-AUG-1995 | First Sample Examined: 0 |
| Lease Number: G14156 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15983 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14155 |
| API Well Number: 427084041200 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 47 |
| Public Info Code: Y 17-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14050 / 12541 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 15030 / 13328 | DEF IN Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 139 | Date of Summary: 29-NOV-1988 | First Sample Examined: 0 |
| Lease Number: G03235 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7850 |
| Well Name: 009 | Paleo Done By: OPERATOR | Borehole TVD: 7850 |
| API Well Number: 427084030400 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 05-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6504 / 6504 | DEF IN Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 7012 / 7012 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 163 | Date of Summary: 07-JAN-1998 | First Sample Examined: 0 |
| Lease Number: G14869 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17010 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17006 |
| API Well Number: 427084046800 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 54 |
| Public Info Code: Y 30-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10380 / 10378 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 11670 / 11668 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 13830 / 13827 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: HI 163 | Date of Summary: 22-JAN-1999 | First Sample Examined: 0 |
| Lease Number: G14869 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4615 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 4615 |
| API Well Number: 427084048300 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 52 |
| Public Info Code: Y 30-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2820 / 2820 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 4300 / 4300 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 166 | Date of Summary: 19-APR-1985 | First Sample Examined: 0 |
| Lease Number: G06200 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13280 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 13280 |
| API Well Number: 427104003900 | Drilling Operator: SANTA FE MARINE INCORPORATED | Rkb Elevation: 66 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 21-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 5304 / 5304 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6124 / 6124 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 6234 / 6234 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6564 / 6564 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 6774 / 6774 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 8244 / 8244 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 8724 / 8723 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 10864 / | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 11434 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 12934 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 166 | Date of Summary: 05-JUN-1985 | First Sample Examined: 0 |
| Lease Number: G06200 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10515 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 9787 |
| API Well Number: 427104004300 | Drilling Operator: SANTA FE MARINE INCORPORATED | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 52 |
| Public Info Code: Y 23-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6580 / 6446 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7330 / 7085 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7630 / 7340 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 8860 / 8376 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 9010 / 8501 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI 166 | Date of Summary: 04-SEP-1984 | First Sample Examined: 4500 |
| Lease Number: G06200 | Source of Paleo: OPERATOR | Borehole MD: 12484 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12484 |
| API Well Number: 427104003000 | Drilling Operator: SANTA FE ENERGY COMPANY | Rkb Elevation: 63 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 12480 | Water Depth: 52 |
| Public Info Code: Y 23-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4500 / 4500 | DEF AT first sample examined | DEF IN 3 |
| 5310 / 5310 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 3 |
| 5910 / 5910 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF IN 3 |
| 6390 / 6390 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF IN 3 |
| 6870 / 6870 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF IN 3 |
| 8040 / 8040 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF IN 3 |
| 8490 / 8490 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF IN 3 |
| 9000 / 9000 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF IN 3 |
| 10290 / 10289 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF IN 3 |
| 10980 / 10979 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF IN 3 |
| 11820 / 11813 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF IN 3 |
| 12480 / | DEF AT last sample examined | DEF IN 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: HI 167 | Date of Summary: 09-APR-1985 | First Sample Examined: 4550 |
| Lease Number: G06201 | Source of Paleo: OPERATOR | Borehole MD: 15550 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15541 |
| API Well Number: 427104004100 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 4550 - 15550 | Water Depth: 51 |
| Public Info Code: Y 02-MAY-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 4550 / 4550 | DEF AT first sample examined | DEF IN 3 |
| 5060 / 5060 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 5480 / 5479 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 6020 / 6019 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 6860 / 6859 | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 7670 / 7669 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 8450 / 8447 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 8570 / 8567 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 9110 / 9106 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 9770 / 9766 | POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 3 |
| 10010 / 10006 | DEF AT - - - - | DEF AT 4 |
| 10100 / 10096 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 4 |
| 11030 / 11026 | POS AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 4 |
| 11360 / 11356 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 4 |
| 13010 / 13005 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 4 |
| 14540 / 14534 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 5 |
| 15550 / 15542 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 167 | Date of Summary: 18-AUG-2000 | First Sample Examined: 0 |
| Lease Number: G06201 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9786 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9786 |
| API Well Number: 427104006600 | Drilling Operator: EOG RESOURCES INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 51 |
| Public Info Code: Y 26-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5149 / 5149 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 5419 / 5419 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5929 / 5929 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7009 / 7009 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7609 / 7609 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 8239 / 8239 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 8659 / 8659 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 9169 / 9168 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 171 | Date of Summary: 15-JUL-1994 | First Sample Examined: 0 |
| Lease Number: G11360 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12506 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12506 |
| API Well Number: 427084040400 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 48 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 7075 / 7075 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8810 / 8810 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 9345 / 9345 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 9615 / 9615 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10560 / 10559 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 171 | Date of Summary: 22-JUL-1996 | First Sample Examined: 0 |
| Lease Number: G15777 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8505 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8505 |
| API Well Number: 427084043000 | Drilling Operator: NORCEN EXPLORER INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 19-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7168 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7900 / | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 8418 / | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 175 | Date of Summary: 20-JUN-1985 | First Sample Examined: 2820 |
| Lease Number: G07281 | Source of Paleo: OPERATOR | Borehole MD: 13192 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 11383 |
| API Well Number: 427084020700 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 1020 - 9706 | Water Depth: 50 |
| Public Info Code: Y 31-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2820 / 2820 | DEF AT first sample examined | DEF AT 1 |
| 3060 / 3059 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 1 |
| 3061 / 3060 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 1 |
| 3240 / 3236 | DEF AT - - - - - | DEF AT 2 |
| 3480 / 3469 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 2 |
| 3900 / 3850 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 4140 / 4051 | POS AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri | DEF AT 3 |
| 4620 / 4435 | DEF AT - - - - - | DEF AT 2 |
| 4800 / 4581 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 2 |
| 5070 / 4801 | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 5640 / 5264 | DEF AT local marker foram increase | DEF AT 2 |
| 5820 / 5412 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 6540 / 6004 | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 7440 / 6722 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 2 |
| 7530 / 6794 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 7620 / 6866 | DEF AT - - - - - | DEF AT 3 |
| 7710 / 6938 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 3 |
| 8130 / 7274 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 8430 / 7511 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 3 |
| 8580 / 7628 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 8940 / 7905 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 3 |
| 9607 / 8428 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 176 | Date of Summary: 22-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G06168 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12821 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10812 |
| API Well Number: 427084018400 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 55 |
| Public Info Code: Y 13-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9880 / 8791 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 177 | Date of Summary: 17-OCT-1988 | First Sample Examined: 0 |
| Lease Number: G06165 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14000 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 13972 |
| API Well Number: 427084029000 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 51 |
| Public Info Code: Y 11-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10322 / 10321 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 11332 / 11331 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 178 | Date of Summary: 22-MAR-1988 | First Sample Examined: 0 |
| Lease Number: G08150 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13585 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 12627 |
| API Well Number: 427084025800 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 28-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7730 / 7437 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10894 / 10198 | DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 11070 / 10355 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 178 | Date of Summary: 23-JUN-1988 | First Sample Examined: 0 |
| Lease Number: G08150 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14225 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 12496 |
| API Well Number: 427084027500 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 28-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 7350 / 6667 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8300 / 7459 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9210 / 8217 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 11400 / 10129 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 12300 / 10922 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 178 | Date of Summary: 23-AUG-1988 | First Sample Examined: 0 |
| Lease Number: G08150 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14914 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 12639 |
| API Well Number: 427084028100 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 28-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8718 / 7516 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9638 / 8286 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 11720 / 9964 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 12580 / 10700 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 178 | Date of Summary: 15-DEC-1988 | First Sample Examined: 0 |
| Lease Number: G08150 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13819 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 11732 |
| API Well Number: 427084029600 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 28-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8625 / 7513 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9540 / 8261 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 11860 / 10183 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 178 | Date of Summary: 08-MAR-1990 | First Sample Examined: 0 |
| Lease Number: G08150 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11312 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 10229 |
| API Well Number: 427084030600 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 28-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8445 / 7417 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9225 / 8164 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 11086 / 10003 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 178 | Date of Summary: 08-MAR-1990 | First Sample Examined: 0 |
| Lease Number: G08150 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13728 |
| Well Name: B003 | Paleo Done By: OPERATOR | Borehole TVD: 12349 |
| API Well Number: 427084030700 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 28-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8478 / 7521 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9325 / 8278 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 11590 / 10340 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 12546 / 11179 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 194 | Date of Summary: 02-OCT-1984 | First Sample Examined: 2690 |
| Lease Number: G06166 | Source of Paleo: OPERATOR | Borehole MD: 14510 |
| Well Name: JA006 | Paleo Done By: OPERATOR | Borehole TVD: 10444 |
| API Well Number: 427084014500 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 4 | Sample Range: 2690 - 5210 | Water Depth: 54 |
| Public Info Code: Y 21-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2690 / 2662 | DEF AT first sample examined | DEF AT |
| 2691 / 2663 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 3830 / 3626 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4010 / 3757 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 5210 / 4514 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 194 | Date of Summary: 02-OCT-1984 | First Sample Examined: 3770 |
| Lease Number: G06166 | Source of Paleo: OPERATOR | Borehole MD: 14510 |
| Well Name: JA006 | Paleo Done By: OPERATOR | Borehole TVD: 10444 |
| API Well Number: 427084014500 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 2 of 4 | Sample Range: 3770 - 5195 | Water Depth: 54 |
| Public Info Code: Y 21-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3770 / 3582 | DEF AT first sample examined | DEF AT |
| 3771 / 3583 | DEF IN Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 3950 / 3714 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4010 / 3757 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 4070 / 3799 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 5195 / 4504 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 194 | Date of Summary: 02-OCT-1984 | First Sample Examined: 4277 |
| Lease Number: G06166 | Source of Paleo: OPERATOR | Borehole MD: 14510 |
| Well Name: JA006 | Paleo Done By: OPERATOR | Borehole TVD: 10444 |
| API Well Number: 427084014500 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 3 of 4 | Sample Range: 4277 - 5161 | Water Depth: 54 |
| Public Info Code: Y 21-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4277 / 3932 | DEF AT first sample examined | DEF AT |
| 4278 / 3933 | DEF IN Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 5161 / 4481 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 194 | Date of Summary: 02-OCT-1984 | First Sample Examined: 5000 |
| Lease Number: G06166 | Source of Paleo: OPERATOR | Borehole MD: 14510 |
| Well Name: JA006 | Paleo Done By: OPERATOR | Borehole TVD: 10444 |
| API Well Number: 427084014500 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 4 of 4 | Sample Range: 5000 - 14510 | Water Depth: 54 |
| Public Info Code: Y 21-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 005 |

Remark: Sidetrack 3 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 5000 / 4377 | DEF AT first sample examined | DEF AT |
| 5001 / 4378 | DEF IN Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 5270 / 4555 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 5450 / 4673 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 7610 / 5933 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8720 / 6667 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 9500 / 7203 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 10100 / 7610 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10640 / 7997 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 11990 / 8953 | DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT |
| 12320 / 9162 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 14120 / 10220 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 14510 / 10444 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 196 | Date of Summary: 30-JUN-1989 | First Sample Examined: 0 |
| Lease Number: G06167 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16236 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8972 |
| API Well Number: 427084030100 | Drilling Operator: HALL-HOUSTON OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 57 |
| Public Info Code: Y 15-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 15285 / 8402 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 204 | Date of Summary: 07-JAN-1994 | First Sample Examined: 0 |
| Lease Number: G13327 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9818 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9060 |
| API Well Number: 427084039300 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 54 |
| Public Info Code: Y 30-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4000 / 3871 | POS IN Miocene | DEF AT |
| 7590 / 7035 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8465 / 7814 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 205 | Date of Summary: 24-MAY-1999 | First Sample Examined: 0 |
| Lease Number: G14871 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11875 |
| API Well Number: 427084048700 | Drilling Operator: PRIME NATURAL RESOURCES INC | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 23-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8493 / 8491 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 11170 / 11050 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI 207 | Date of Summary: 01-DEC-1987 | First Sample Examined: 1020 |
| Lease Number: G08151 | Source of Paleo: OPERATOR | Borehole MD: 11231 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8436 |
| API Well Number: 427084022700 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 1020 - 11190 | Water Depth: 53 |
| Public Info Code: Y 01-MAY-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 1020 / 1020 | DEF AT first sample examined | POS AT 1 |
| 2940 / 2763 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 6900 / 5376 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 1 |
| 7100 / 5504 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 9420 / 7089 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 1 |
| 9960 / 7503 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 1 |
| 10020 / 7550 | DEF AT - - - - - | DEF AT 2 |
| 10380 / 7825 | DEF AT - - - - - | DEF AT 3 |
| 10800 / 8128 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 3 |
| 11040 / 8301 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT 3 |
| 11160 / 8388 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 11190 / 8410 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI 207 | Date of Summary: 09-JAN-1998 | First Sample Examined: 8500 |
| Lease Number: G13796 | Source of Paleo: OPERATOR | Borehole MD: 13652 |
| Well Name: 004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10451 |
| API Well Number: 427084046900 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 8500 - 13630 | Water Depth: 52 |
| Public Info Code: Y 19-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8500 / 6823 | DEF AT first sample examined | DEF AT 2 |
| 8501 / 6823 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 10030 / 7895 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 2 |
| 10540 / 8253 | DEF AT local marker foram increase | DEF AT 2 |
| 10900 / 8509 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 13360 / 10259 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 13630 / 10437 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 208 | Date of Summary: 09-JAN-1986 | First Sample Examined: 0 |
| Lease Number: G07286 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7300 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7060 |
| API Well Number: 427084020900 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 07-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4520 / 4437 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 5030 / 4913 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 5540 / 5385 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7040 / 6808 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: HI 208 | Date of Summary: 06-DEC-1989 | First Sample Examined: 10620 |
| Lease Number: G07286 | Source of Paleo: OPERATOR | Borehole MD: 12602 |
| Well Name: A001 | Paleo Done By: STORK & ASS. | Borehole TVD: 10858 |
| API Well Number: 427084032200 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 148 |
| Paleo Report Num: 1 of 1 | Sample Range: 10620 - 12602 | Water Depth: 55 |
| Public Info Code: Y 22-NOV-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10620 / 8880 | DEF AT first sample examined | DEF AT 2 |
| 10621 / 8881 | DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 2 |
| 11100 / 9358 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 11430 / 9687 | POS AT fault | DEF AT 2 |
| 12480 / 10736 | DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi | DEF AT 2 |
| 12602 / 10858 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI 229 | Date of Summary: 08-MAR-1996 | First Sample Examined: 0 |
| Lease Number: G12542 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14950 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14949 |
| API Well Number: 427084042000 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 52 |
| Public Info Code: Y 12-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7830 / 7830 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 9317 / 9317 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 11890 / 11890 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 13730 / 13729 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 9 | Date of Summary: 14-NOV-1989 | First Sample Examined: 3500 |
| Lease Number: G09093 | Source of Paleo: OPERATOR | Borehole MD: 12270 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12269 |
| API Well Number: 427084032300 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 3500 - 12270 | Water Depth: 56 |
| Public Info Code: Y 11-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3500 / 3500 | DEF AT first sample examined | DEF IN 2 |
| 3590 / 3590 | DEF AT - - - - - | DEF AT 3 |
| 3680 / 3680 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 3860 / 3860 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 3980 / 3980 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 4520 / 4520 | DEF AT local marker planktic foram increase | DEF AT 3 |
| 5420 / 5420 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 6830 / 6830 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 7190 / 7190 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 7310 / 7310 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 7760 / 7760 | DEF AT Eggerella sp. (local marker) | DEF AT 3 |
| 9230 / 9229 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 9889 / 9888 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 3 |
| 9890 / 9889 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 3 |
| 9950 / 9949 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 10340 / 10339 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF IN 3 |
| 10550 / 10549 | DEF AT - - - - - | DEF AT 4 |
| 10580 / 10579 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 4 |
| 10700 / 10699 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 4 |
| 11660 / 11659 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 4 |
| 12200 / 12199 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 4 |
| 12270 / 12269 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 16 | Date of Summary: 05-APR-1994 | First Sample Examined: 0 |
| Lease Number: G13329 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3400 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 3400 |
| API Well Number: 427084039700 | Drilling Operator: ASHLAND OIL INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 56 |
| Public Info Code: Y 30-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3350 / 3350 | POS IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: HI A 20 | Date of Summary: 14-FEB-1984 | First Sample Examined: 345 |
| Lease Number: G06178 | Source of Paleo: OPERATOR | Borehole MD: 13093 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13061 |
| API Well Number: 427084014000 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 2 | Sample Range: 345 - 11850 | Water Depth: 55 |
| Public Info Code: Y 14-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 345 / 345 | DEF AT first sample examined | DEF AT 1 |
| 760 / 760 | DEF AT local marker foram increase | DEF AT 1 |
| 1600 / 1600 | DEF AT shell fragments | DEF AT 1 |
| 1900 / 1900 | DEF AT non-marine sediment | DEF AT 0 |
| 2320 / 2320 | DEF AT - - - - - | DEF AT 1 |
| 2500 / 2500 | DEF AT shell fragments | DEF AT 1 |
| 2920 / 2920 | DEF AT - - - - - | DEF AT 2 |
| 3040 / 3040 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 2 |
| 3100 / 3100 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 3160 / 3160 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 3400 / 3400 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 3460 / 3460 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 2 |
| 3700 / 3700 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 4000 / 4000 | POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 2 |
| 4120 / 4120 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 2 |
| 4420 / 4420 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 4560 / 4560 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 4620 / 4620 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT 2 |
| 4650 / 4650 | DEF AT - - - - - | DEF AT 1 |
| 4830 / 4830 | DEF AT local marker (general) | DEF AT 1 |
| 4890 / 4890 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 2 |
| 4950 / 4950 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: HI A 20 | Date of Summary: 14-FEB-1984 | First Sample Examined: 345 |
| Lease Number: G06178 | Source of Paleo: OPERATOR | Borehole MD: 13093 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13061 |
| API Well Number: 427084014000 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 2 | Sample Range: 345 - 11850 | Water Depth: 55 |
| Public Info Code: Y 14-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 5250 / 5250 | DEF AT local marker foram decrease | DEF AT 1 |
| 5640 / 5640 | POS AT local marker foram increase | DEF AT 2 |
| 5910 / 5910 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 6210 / 6210 | DEF AT local marker foram decrease | DEF AT 1 |
| 6270 / 6270 | DEF AT limestone | DEF AT 1 |
| 6510 / 6510 | DEF AT local marker foram increase | DEF AT 2 |
| 6570 / 6570 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 6600 / 6600 | DEF AT local marker planktic foram increase | DEF AT 2 |
| 6960 / 6960 | DEF AT local marker foram increase | DEF AT 2 |
| 7079 / 7079 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 2 |
| 7080 / 7080 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 7260 / 7260 | DEF AT - - - - - | DEF AT 3 |
| 7380 / 7380 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 3 |
| 7590 / 7590 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 8069 / 8069 | DEF AT foram flood | DEF AT 3 |
| 8070 / 8070 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 3 |
| 8220 / 8220 | POS AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 8430 / 8430 | DEF AT cement | POS AT 3 |
| 8460 / 8460 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 8820 / 8820 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 3 |
| 9000 / 9000 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 3 |
| 9420 / 9420 | DEF AT local marker foram decrease | DEF AT 3 |
| 9480 / 9480 | DEF AT - - - - - | DEF AT 4 |
| 9810 / 9809 | POS AT deepwater facies Pontchartrain | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: HI A 20 | Date of Summary: 14-FEB-1984 | First Sample Examined: 345 |
| Lease Number: G06178 | Source of Paleo: OPERATOR | Borehole MD: 13093 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13061 |
| API Well Number: 427084014000 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 2 | Sample Range: 345 - 11850 | Water Depth: 55 |
| Public Info Code: Y 14-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10380 / 10377 | DEF AT sample gap top | POS AT 5 |
| 10408 / 10405 | DEF AT sample gap bottom | DEF AT 3 |
| 10409 / 10406 | DEF AT foram flood | DEF AT 3 |
| 10410 / 10407 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 3 |
| 10500 / 10496 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 3 |
| 10830 / 10825 | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 3 |
| 11160 / 11152 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 11400 / 11390 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT 3 |
| 11700 / 11687 | POS AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 11850 / 11835 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 20 | Date of Summary: 22-MAY-1985 | First Sample Examined: 8850 |
| Lease Number: G06178 | Source of Paleo: OPERATOR | Borehole MD: 13093 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13061 |
| API Well Number: 427084014000 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 2 of 2 | Sample Range: 8850 - 13093 | Water Depth: 55 |
| Public Info Code: Y 14-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8850 / 8850 | DEF AT first sample examined | DEF AT 3 |
| 8851 / 8851 | DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 3 |
| 9240 / 9240 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 3 |
| 9540 / 9540 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 9541 / 9541 | POS AT deepwater facies Harang | DEF AT 4 |
| 9900 / 9898 | POS AT deepwater facies Pontchartrain | DEF AT 5 |
| 9930 / 9928 | POS AT - - - - - | DEF AT 4 |
| 10020 / 10018 | DEF AT - - - - - | DEF AT 5 |
| 10410 / 10407 | POS AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 5 |
| 10500 / 10496 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 4 |
| 10560 / 10556 | POS AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 4 |
| 10920 / 10914 | DEF AT - - - - - | DEF AT 3 |
| 11280 / 11271 | DEF AT local marker foram increase | DEF AT 3 |
| 11430 / 11419 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT 3 |
| 11580 / 11568 | POS AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 13093 / | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: HI A 20 | Date of Summary: 29-SEP-1984 | First Sample Examined: 370 |
| Lease Number: G06178 | Source of Paleo: OPERATOR | Borehole MD: 11274 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11270 |
| API Well Number: 427084015700 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 370 - 11274 | Water Depth: 61 |
| Public Info Code: Y 27-OCT-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 370 / 370 | DEF AT first sample examined | DEF AT 1 |
| 3190 / 3190 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 1 |
| 3250 / 3250 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 1 |
| 3370 / 3370 | DEF AT local marker foram increase | DEF AT 2 |
| 3670 / 3670 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 2 |
| 3850 / 3850 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 3970 / 3970 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 4090 / 4090 | DEF AT local marker planktic foram increase | DEF AT 3 |
| 4270 / 4270 | POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 3 |
| 4510 / 4510 | DEF AT local marker foram decrease | DEF AT 2 |
| 4570 / 4570 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT 2 |
| 4990 / 4990 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 2 |
| 5080 / 5080 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 5770 / 5769 | POS AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 2 |
| 5950 / 5949 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 6610 / 6609 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 7210 / 7209 | POS IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 2 |
| 7720 / 7719 | DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 2 |
| 7780 / 7779 | DEF AT foram flood | DEF AT 2 |
| 7810 / 7808 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 8080 / 8078 | DEF AT local marker foram increase | DEF AT 3 |
| 8200 / 8198 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: HI A 20 | Date of Summary: 29-SEP-1984 | First Sample Examined: 370 |
| Lease Number: G06178 | Source of Paleo: OPERATOR | Borehole MD: 11274 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11270 |
| API Well Number: 427084015700 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 370 - 11274 | Water Depth: 61 |
| Public Info Code: Y 27-OCT-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8530 / 8528 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 8770 / 8768 | POS AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 3 |
| 9130 / 9128 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 3 |
| 9250 / 9248 | DEF AT local marker foram increase | DEF AT 3 |
| 9430 / 9428 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 9580 / 9578 | DEF AT - - - - - | DEF AT 2 |
| 10030 / 10028 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 2 |
| 10090 / 10088 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 3 |
| 10300 / 10297 | POS AT local marker foram decrease | DEF AT 2 |
| 10390 / 10387 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 2 |
| 10510 / 10507 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 10630 / 10627 | DEF AT local marker foram decrease | DEF AT 2 |
| 10720 / 10717 | DEF AT local marker planktic foram increase | DEF AT 3 |
| 10810 / 10807 | DEF AT local marker planktic foram increase | DEF AT 4 |
| 11140 / 11136 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 3 |
| 11230 / 11226 | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 3 |
| 11260 / 11256 | POS AT local marker deep water fauna | DEF AT 3 |
| 11274 / 11270 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 20 | Date of Summary: 20-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G06178 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10972 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 8953 |
| API Well Number: 427084016500 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 56 |
| Public Info Code: Y 05-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 5140 / 4541 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 5920 / 5112 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 6250 / 5348 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6280 / 5370 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 6760 / 5714 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7210 / 6039 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7510 / 6257 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 9280 / 7637 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 9640 / 7919 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT |
| 10750 / 8770 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 20 | Date of Summary: 04-JAN-1985 | First Sample Examined: 3120 |
| Lease Number: G06178 | Source of Paleo: OPERATOR | Borehole MD: 10940 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 9093 |
| API Well Number: 427084016900 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 3120 - 10940 | Water Depth: 56 |
| Public Info Code: Y 05-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|---------|
| 3120 / 3042 | DEF AT first sample examined | DEF AT |
| 3121 / 3043 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 3240 / 3146 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |
| 4120 / 3831 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 5000 / 4485 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 5090 / 4554 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 5660 / 4988 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 5720 / 5033 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6380 / 5530 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 6740 / 5801 | DEF AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT |
| 7070 / 6046 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7340 / 6239 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 7550 / 6388 | DEF AT Upper Miocene (Tortonian) Bigenerina 2 | DEF AT |
| 8540 / 7172 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 8720 / 7319 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT |
| 8990 / 7542 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT |
| 9200 / 7714 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 9560 / 8008 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT |
| 10729 / 8933 | DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT |
| 10730 / 8933 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 10940 / 9099 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 22 | Date of Summary: 02-MAY-1986 | First Sample Examined: 1000 |
| Lease Number: G06180 | Source of Paleo: OPERATOR | Borehole MD: 12700 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12700 |
| API Well Number: 427084014400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 12700 | Water Depth: 61 |
| Public Info Code: Y 24-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1000 / 1000 | DEF AT first sample examined | DEF AT 1 |
| 3190 / 3190 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 3580 / 3580 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 2 |
| 3940 / 3940 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 5020 / 5020 | DEF AT ----- | DEF AT 1 |
| 5170 / 5170 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 1 |
| 5230 / 5230 | DEF AT ----- | DEF AT 2 |
| 5320 / 5320 | DEF AT ----- | DEF AT 1 |
| 5410 / 5410 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 1 |
| 5560 / 5560 | DEF AT ----- | DEF AT 2 |
| 5680 / 5680 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 6250 / 6250 | DEF AT ----- | DEF AT 1 |
| 6730 / 6730 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 7270 / 7270 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 7600 / 7600 | DEF AT ----- | DEF AT 2 |
| 7960 / 7960 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 2 |
| 8100 / 8100 | DEF AT ----- | DEF AT 1 |
| 8710 / 8710 | DEF AT ----- | DEF AT 2 |
| 8740 / 8740 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 9460 / 9459 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 2 |
| 9610 / 9609 | DEF AT ----- | DEF AT 3 |
| 9910 / 9909 | DEF AT ----- | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 22 | Date of Summary: 02-MAY-1986 | First Sample Examined: 1000 |
| Lease Number: G06180 | Source of Paleo: OPERATOR | Borehole MD: 12700 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12700 |
| API Well Number: 427084014400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 12700 | Water Depth: 61 |
| Public Info Code: Y 24-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10180 / 10179 | DEF AT ----- | DEF AT 3 |
| 10270 / 10269 | DEF AT ----- | DEF AT 2 |
| 10410 / 10409 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 2 |
| 10660 / 10659 | DEF AT ----- | DEF AT 3 |
| 10810 / 10809 | DEF AT ----- | DEF AT 2 |
| 11500 / 11499 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 2 |
| 11650 / 11648 | DEF AT ----- | DEF AT 3 |
| 11680 / 11677 | DEF AT deepwater facies Harang | DEF AT 3 |
| 12430 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 12610 / | DEF AT ----- | DEF AT 3 |
| 12700 / | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 22 | Date of Summary: 03-JUL-1985 | First Sample Examined: 0 |
| Lease Number: G06180 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11710 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10993 |
| API Well Number: 427084017900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 61 |
| Public Info Code: Y 28-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 4200 / 4157 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 5400 / 5234 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 5910 / 5692 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6930 / 6614 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7380 / 7026 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 8250 / 7830 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 9060 / 8585 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 9960 / 9400 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 10410 / 9802 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 23 | Date of Summary: 05-APR-1993 | First Sample Examined: 7500 |
| Lease Number: G13330 | Source of Paleo: OPERATOR | Borehole MD: 11542 |
| Well Name: 001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 11535 |
| API Well Number: 427084037600 | Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 4800 - 11520 | Water Depth: 60 |
| Public Info Code: Y 05-SEP-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 7500 / 7500 | DEF AT first sample examined | DEF AT 1 |
| 7530 / 7530 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 1 |
| 7950 / 7950 | POS AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 1 |
| 8220 / 8220 | DEF AT Arenaceous fauna (local marker) | DEF AT 1 |
| 8880 / 8880 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 8940 / 8940 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 9300 / 9300 | POS AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT 2 |
| 9450 / 9450 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 9780 / 9780 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 2 |
| 9810 / 9810 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 9900 / 9900 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 10440 / 10439 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 2 |
| 10530 / 10529 | POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 2 |
| 11070 / 11069 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 11490 / 11489 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 23 | Date of Summary: 16-OCT-1999 | First Sample Examined: 0 |
| Lease Number: G13330 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7632 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7632 |
| API Well Number: 427084042500 | Drilling Operator: ENERGY RESOURCE TECHNOLOGY INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 60 |
| Public Info Code: Y 05-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6420 / 6420 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 23 | Date of Summary: 16-OCT-1999 | First Sample Examined: 0 |
| Lease Number: G13330 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8192 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 8192 |
| API Well Number: 427084042700 | Drilling Operator: ENERGY RESOURCE TECHNOLOGY INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 59 |
| Public Info Code: Y 05-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6650 / 6650 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 39 | Date of Summary: 24-APR-1991 | First Sample Examined: 0 |
| Lease Number: G11367 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11750 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11750 |
| API Well Number: 427084036000 | Drilling Operator: WALTER OIL & GAS CORPORATION | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 51 |
| Public Info Code: Y 30-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10960 / 10959 | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 68 | Date of Summary: 27-JUN-1985 | First Sample Examined: 0 |
| Lease Number: G07298 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7198 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7198 |
| API Well Number: 427084019700 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 84 |
| Public Info Code: Y 25-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5370 / 5370 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 5490 / 5490 | POS AT Upper (Late) Miocene | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 68 | Date of Summary: 25-MAR-1986 | First Sample Examined: 0 |
| Lease Number: G07298 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5260 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 5260 |
| API Well Number: 427084021900 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 81 |
| Public Info Code: Y 28-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 1472 / 1472 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 2557 / 2557 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 3148 / 3147 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 4513 / 4512 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: HI A 69 | Date of Summary: 10-DEC-1985 | First Sample Examined: 1020 |
| Lease Number: G06187 | Source of Paleo: OPERATOR | Borehole MD: 13000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12994 |
| API Well Number: 427084021100 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 1020 - 13005 | Water Depth: 67 |
| Public Info Code: Y 17-NOV-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1020 / 1020 | DEF AT first sample examined | DEF IN 2 |
| 4140 / 4140 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 4560 / 4560 | DEF AT - - - - - | DEF AT 4 |
| 5760 / 5760 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 5910 / 5910 | DEF AT - - - - - | DEF AT 5 |
| 5970 / 5970 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 5 |
| 6000 / 6000 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 6870 / 6870 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 5 |
| 7590 / 7589 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 5 |
| 8190 / 8189 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 5 |
| 8730 / 8729 | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 5 |
| 10200 / 10198 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 5 |
| 10950 / 10947 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 5 |
| 13005 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 69 | Date of Summary: 25-NOV-1987 | First Sample Examined: 0 |
| Lease Number: G06187 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5800 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 5799 |
| API Well Number: 427084026100 | Drilling Operator: CLIFFS OIL AND GAS COMPANY | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 83 |
| Public Info Code: Y 17-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3040 / 3040 | POS IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 69 | Date of Summary: 30-MAR-1993 | First Sample Examined: 0 |
| Lease Number: G06187 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3200 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 3200 |
| API Well Number: 427084031500 | Drilling Operator: OFFSHORE ENERGY DEVELOPMENT | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 84 |
| Public Info Code: Y 17-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3200 / 3200 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 69 | Date of Summary: 07-DEC-1989 | First Sample Examined: 0 |
| Lease Number: G06187 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3697 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 3201 |
| API Well Number: 427084032000 | Drilling Operator: AQUILA ENERGY CORPORATION | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 17-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3697 / 3197 | POS IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 83 | Date of Summary: 02-DEC-1986 | First Sample Examined: 0 |
| Lease Number: G07300 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3400 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 3400 |
| API Well Number: 427084024100 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 86 |
| Public Info Code: Y 19-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 500 / 500 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 2902 / 2902 | DEF AT gray shale | DEF AT |
| 3198 / 3198 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 87 | Date of Summary: 20-JUN-1995 | First Sample Examined: 0 |
| Lease Number: G12556 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3612 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 3612 |
| API Well Number: 427084041000 | Drilling Operator: DAVIS PETROLEUM CORP | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 83 |
| Public Info Code: Y 31-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2800 / 2800 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 88 | Date of Summary: 18-DEC-1997 | First Sample Examined: 0 |
| Lease Number: G17164 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9500 |
| API Well Number: 427084047000 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 81 |
| Public Info Code: Y 17-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9255 / 9254 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 128 | Date of Summary: 10-JUN-1993 | First Sample Examined: 0 |
| Lease Number: G12562 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4450 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4450 |
| API Well Number: 427084037900 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 116 |
| Public Info Code: Y 31-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1715 / 1715 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 129 | Date of Summary: 31-AUG-1989 | First Sample Examined: 0 |
| Lease Number: G07306 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6900 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 6900 |
| API Well Number: 427084023600 | Drilling Operator: SANDEFER OFFSHORE PRODUCTION | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 16-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1200 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 2000 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 4000 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 5300 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 6160 / | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 129 | Date of Summary: 08-SEP-1989 | First Sample Examined: 0 |
| Lease Number: G07306 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6870 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 6250 |
| API Well Number: 427084024200 | Drilling Operator: SANDEFER OFFSHORE PRODUCTION | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 04-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2030 / 1995 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 3820 / 3571 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 6220 / 5670 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 193 | Date of Summary: 23-AUG-1984 | First Sample Examined: 0 |
| Lease Number: G06209 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6465 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 5592 |
| API Well Number: 427104003100 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 65 |
| Public Info Code: Y 29-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5140 / 4513 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5200 / 4561 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5620 / 4900 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 193 | Date of Summary: 06-SEP-1984 | First Sample Examined: 2730 |
| Lease Number: G06209 | Source of Paleo: OPERATOR | Borehole MD: 6465 |
| Well Name: A001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 5592 |
| API Well Number: 427104003100 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 2 of 2 | Sample Range: 2730 - 5750 | Water Depth: 65 |
| Public Info Code: Y 29-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 2730 / 2618 | DEF AT - - - - - | DEF AT 1 |
| 2900 / 2751 | DEF AT non-marine sediment | DEF AT 0 |
| 3500 / 3220 | DEF AT - - - - - | DEF AT 0 |
| 3620 / 3315 | DEF AT non-marine sediment | DEF AT 0 |
| 4250 / 3812 | DEF AT - - - - - | DEF AT 1 |
| 4430 / 3953 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 1 |
| 4640 / 4118 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | POS AT 1 |
| 4730 / 4189 | DEF AT - - - - - | DEF AT 1 |
| 4760 / 4212 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 1 |
| 4790 / 4236 | DEF AT - - - - - | DEF AT 2 |
| 4940 / 4354 | DEF AT - - - - - | DEF AT 1 |
| 5000 / 4402 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT 1 |
| 5090 / 4473 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 1 |
| 5570 / 4859 | DEF AT - - - - - | POS AT 1 |
| 5690 / 4957 | DEF AT - - - - - | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 200 | Date of Summary: 11-MAY-1990 | First Sample Examined: 0 |
| Lease Number: G08172 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4500 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 4500 |
| API Well Number: 427104009900 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 03-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3370 / 3370 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 200 | Date of Summary: 13-AUG-1996 | First Sample Examined: 0 |
| Lease Number: G10291 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6738 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 4427 |
| API Well Number: 427104010500 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 18-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3150 / 2434 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5650 / 3821 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 233 | Date of Summary: 28-DEC-1990 | First Sample Examined: 0 |
| Lease Number: G11377 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6683 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 5600 |
| API Well Number: 427104010700 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 115 |
| Public Info Code: Y 30-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1148 / 1146 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 244 | Date of Summary: 23-FEB-1994 | First Sample Examined: 0 |
| Lease Number: G05010 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8000 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8000 |
| API Well Number: 427104001800 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 115 |
| Public Info Code: Y 07-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4600 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6130 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7900 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 244 | Date of Summary: 09-FEB-1994 | First Sample Examined: 0 |
| Lease Number: G06214 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8150 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7605 |
| API Well Number: 427104007100 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 130 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 116 |
| Public Info Code: Y 13-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4818 / 4612 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5614 / 5333 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8132 / 7592 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 245 | Date of Summary: 02-DEC-1996 | First Sample Examined: 0 |
| Lease Number: G13334 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8609 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 6889 |
| API Well Number: 427104011200 | Drilling Operator: TANA OIL AND GAS CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 09-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5600 / 4890 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 245 | Date of Summary: 28-NOV-1994 | First Sample Examined: 0 |
| Lease Number: G13334 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5650 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 4582 |
| API Well Number: 427104011400 | Drilling Operator: TANA OIL AND GAS CORPORATION | Rkb Elevation: 125 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 09-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4100 / 3523 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 5160 / 4250 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 271 | Date of Summary: 23-FEB-1996 | First Sample Examined: 0 |
| Lease Number: G06245 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5200 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 5200 |
| API Well Number: 427114058400 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 162 |
| Public Info Code: Y 11-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3551 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5210 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 281 | Date of Summary: 16-JAN-1985 | First Sample Examined: 0 |
| Lease Number: G03377 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11039 |
| Well Name: C001 | Paleo Done By: OPERATOR | Borehole TVD: 8778 |
| API Well Number: 427114058700 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 166 |
| Public Info Code: Y 03-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3800 / 3800 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5210 / 5090 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9290 / 7626 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 282 | Date of Summary: 16-APR-1986 | First Sample Examined: 3340 |
| Lease Number: G04591 | Source of Paleo: OPERATOR | Borehole MD: 11231 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11003 |
| API Well Number: 427114060100 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 4 | Sample Range: 3340 - 8500 | Water Depth: 173 |
| Public Info Code: Y 16-NOV-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3340 / 3340 | DEF AT first sample examined | DEF AT 2 |
| 3570 / 3570 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 5160 / 5160 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 2 |
| 5860 / 5860 | DEF AT ----- | DEF IN 2 |
| 6400 / 6400 | DEF AT ----- | DEF AT 2 |
| 7410 / 7409 | DEF AT Arenaceous fauna (local marker) | DEF AT 3 |
| 7670 / 7669 | DEF AT ----- | DEF IN 3 |
| 7800 / 7799 | DEF AT ----- | DEF AT 3 |
| 8100 / 8099 | DEF AT ----- | DEF AT 2 |
| 8500 / 8499 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 282 | Date of Summary: 16-APR-1986 | First Sample Examined: 8500 |
| Lease Number: G04591 | Source of Paleo: OPERATOR | Borehole MD: 11231 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11003 |
| API Well Number: 427114060100 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 4 | Sample Range: 8500 - 11220 | Water Depth: 173 |
| Public Info Code: Y 16-NOV-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8500 / 8499 | DEF AT first sample examined | DEF AT 2 |
| 9450 / 9447 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 10620 / 10490 | DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 4 |
| 11220 / 10994 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: HI A 282 | Date of Summary: 18-APR-1986 | First Sample Examined: 10560 |
| Lease Number: G04591 | Source of Paleo: OPERATOR | Borehole MD: 11231 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11003 |
| API Well Number: 427114060100 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 91 |
| Paleo Report Num: 3 of 4 | Sample Range: 10560 - 11220 | Water Depth: 173 |
| Public Info Code: Y 16-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report for sidetrack, per phone conversation with Mr McLennan of Unocal on 18 April 1986

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10560 / 10440 | DEF AT first sample examined | DEF AT |
| 10561 / 10441 | DEF IN Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 11219 / 10993 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 11220 / 10994 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---|--|---|
| <p>Area Block: HI A 282</p> <p>Lease Number: G04591</p> <p>Well Name: 001</p> <p>API Well Number: 427114060100</p> <p>Paleo Report Num: 4 of 4</p> <p>Public Info Code: Y 16-NOV-1995</p> | <p>Date of Summary: 18-APR-1986</p> <p>Source of Paleo: OPERATOR</p> <p>Paleo Done By: OPERATOR</p> <p>Drilling Operator: UNION OIL COMPANY OF CALIFORNIA</p> <p>Sample Range: 3600 - 11160</p> <p>Ecozone Eq MMS:</p> | <p>First Sample Examined: 3600</p> <p>Borehole MD: 11231</p> <p>Borehole TVD: 11003</p> <p>Rkb Elevation: 91</p> <p>Water Depth: 173</p> <p>Paleo ID: 004</p> |
|---|--|---|

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3600 / 3600 | DEF AT first sample examined | DEF AT |
| 3601 / 3601 | DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 9570 / 9563 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 10560 / 10440 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 11159 / 10943 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 11160 / 10944 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 295 | Date of Summary: 12-MAR-1990 | First Sample Examined: 1000 |
| Lease Number: G11401 | Source of Paleo: OPERATOR | Borehole MD: 6001 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6001 |
| API Well Number: 427114065600 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 6000 | Water Depth: 197 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1000 / 1000 | DEF AT first sample examined | DEF IN 2 |
| 1810 / 1810 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 2 |
| 1870 / 1870 | DEF AT - - - - - | DEF AT 3 |
| 4840 / 4840 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 6000 / 6000 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: HI A 310 | Date of Summary: 24-MAY-1984 | First Sample Examined: 3220 |
| Lease Number: G02735 | Source of Paleo: OPERATOR | Borehole MD: 11181 |
| Well Name: B004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9977 |
| API Well Number: 427114058200 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 2 | Sample Range: 3220 - 6460 | Water Depth: 213 |
| Public Info Code: Y 29-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3220 / 3022 | DEF AT first sample examined | POS IN 3 |
| 3221 / 3023 | DEF IN cement | POS IN 3 |
| 3370 / 3152 | DEF AT - - - - | DEF IN 3 |
| 4930 / 4502 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 6460 / 5807 | DEF AT last sample examined | DEF IN 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: HI A 310 | Date of Summary: 24-MAY-1984 | First Sample Examined: 5710 |
| Lease Number: G02735 | Source of Paleo: OPERATOR | Borehole MD: 11181 |
| Well Name: B004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9977 |
| API Well Number: 427114058200 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 103 |
| Paleo Report Num: 2 of 2 | Sample Range: 5710 - 11170 | Water Depth: 213 |
| Public Info Code: Y 29-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5710 / 5179 | DEF AT first sample examined | DEF IN 3 |
| 9730 / 8595 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 11170 / 9966 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: HI A 310 | Date of Summary: 16-JAN-1984 | First Sample Examined: 3000 |
| Lease Number: G03378 | Source of Paleo: OPERATOR | Borehole MD: 11985 |
| Well Name: B002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9102 |
| API Well Number: 427114057800 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 11969 | Water Depth: 213 |
| Public Info Code: Y 03-FEB-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3000 / 2999 | DEF AT first sample examined | DEF IN 3 |
| 4530 / 4483 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 10450 / 8295 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 11230 / 8715 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 11969 / 9093 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: HI A 310 | Date of Summary: 20-MAR-1984 | First Sample Examined: 4360 |
| Lease Number: G03378 | Source of Paleo: OPERATOR | Borehole MD: 12811 |
| Well Name: B003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10038 |
| API Well Number: 427114058000 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 4360 - 12810 | Water Depth: 213 |
| Public Info Code: Y 17-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4360 / 3510 | DEF AT first sample examined | DEF AT 3 |
| 4361 / 3511 | POS IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8940 / 6431 | DEF AT - - - - - | DEF AT 4 |
| 12810 / 10038 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: HI A 310 | Date of Summary: 12-JUN-1984 | First Sample Examined: 3490 |
| Lease Number: G03378 | Source of Paleo: OPERATOR | Borehole MD: 11772 |
| Well Name: B005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8772 |
| API Well Number: 427114058300 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 2 | Sample Range: 3490 - 11772 | Water Depth: 213 |
| Public Info Code: Y 05-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3490 / 3021 | DEF AT first sample examined | DEF IN 2 |
| 4270 / 3580 | POS IN Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 2 |
| 4630 / 3834 | DEF AT - - - - - | DEF AT 3 |
| 11772 / 8771 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 310 | Date of Summary: 07-OCT-1997 | First Sample Examined: 0 |
| Lease Number: G03378 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11772 |
| Well Name: B005 | Paleo Done By: OPERATOR | Borehole TVD: 8772 |
| API Well Number: 427114058300 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 103 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 213 |
| Public Info Code: Y 05-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8202 / 6312 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: HI A 310 | Date of Summary: 06-SEP-1984 | First Sample Examined: 3310 |
| Lease Number: G03378 | Source of Paleo: OPERATOR | Borehole MD: 11792 |
| Well Name: B006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8645 |
| API Well Number: 427114058600 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 3310 - 12390 | Water Depth: 213 |
| Public Info Code: Y 10-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3310 / 3310 | DEF AT first sample examined | DEF IN 3 |
| 3940 / 3940 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 12390 / | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: HI A 310 | Date of Summary: 21-SEP-1984 | First Sample Examined: 3607 |
| Lease Number: G03378 | Source of Paleo: OPERATOR | Borehole MD: 9581 |
| Well Name: B007 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7920 |
| API Well Number: 427114058800 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 3607 - 9570 | Water Depth: 213 |
| Public Info Code: Y 03-OCT-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3607 / 3444 | DEF AT first sample examined | POS AT 3 |
| 3608 / 3445 | DEF AT cement | POS AT 3 |
| 3750 / 3551 | POS IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4050 / 3775 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 9570 / 7897 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: HI A 310 | Date of Summary: 08-OCT-1984 | First Sample Examined: 3000 |
| Lease Number: G03378 | Source of Paleo: OPERATOR | Borehole MD: 8075 |
| Well Name: B008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6725 |
| API Well Number: 427114059100 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 8075 | Water Depth: 213 |
| Public Info Code: Y 26-OCT-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3000 / 2999 | DEF AT first sample examined | POS AT 3 |
| 3001 / 3000 | DEF IN cement | POS AT 3 |
| 3240 / 3239 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4290 / 4246 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8075 / 6725 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 335 | Date of Summary: 04-AUG-1986 | First Sample Examined: 0 |
| Lease Number: G02738 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13855 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13855 |
| API Well Number: 427114060400 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 230 |
| Public Info Code: Y 02-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2980 / 2980 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5790 / 5789 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8010 / 8008 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT |
| 12010 / 12005 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 341 | Date of Summary: 30-APR-1986 | First Sample Examined: 1050 |
| Lease Number: G02427 | Source of Paleo: OPERATOR | Borehole MD: 8036 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8036 |
| API Well Number: 427114006400 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 1050 - 8036 | Water Depth: 242 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 1050 / 1050 | DEF AT first sample examined | DEF AT 2 |
| 1170 / 1170 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 3 |
| 1350 / 1350 | DEF AT ----- | DEF AT 2 |
| 1740 / 1740 | DEF AT ----- | DEF AT 3 |
| 2040 / 2040 | DEF AT ----- | DEF AT 2 |
| 2520 / 2520 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 3960 / 3960 | DEF AT ----- | DEF AT 1 |
| 4530 / 4530 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 5070 / 5070 | DEF AT ----- | DEF AT 4 |
| 5190 / 5190 | DEF AT ----- | DEF AT 3 |
| 5310 / 5310 | DEF AT ----- | DEF AT 2 |
| 8036 / 8036 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 341 | Date of Summary: 30-APR-1986 | First Sample Examined: 1300 |
| Lease Number: G02427 | Source of Paleo: OPERATOR | Borehole MD: 10446 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9425 |
| API Well Number: 427114012000 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 51 |
| Paleo Report Num: 1 of 1 | Sample Range: 1300 - 10438 | Water Depth: 244 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 1300 / 1300 | DEF AT first sample examined | DEF AT 2 |
| 1870 / 1870 | DEF AT ----- | DEF AT 3 |
| 1990 / 1990 | DEF AT ----- | DEF AT 2 |
| 2440 / 2440 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 3820 / 3820 | DEF AT ----- | DEF AT 1 |
| 5110 / 5039 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 5230 / 5141 | DEF AT ----- | DEF AT 2 |
| 8140 / 7558 | DEF AT ----- | DEF AT 3 |
| 8290 / 7673 | DEF AT ----- | DEF AT 2 |
| 8320 / 7696 | DEF AT ----- | DEF AT 0 |
| 8560 / 7880 | DEF AT ----- | DEF AT 2 |
| 9100 / 8301 | DEF AT ----- | DEF AT 3 |
| 9130 / 8326 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 9280 / 8449 | DEF AT ----- | DEF AT 2 |
| 9430 / 8576 | DEF AT ----- | DEF AT 3 |
| 9640 / 8755 | DEF AT ----- | DEF AT 2 |
| 10120 / 9158 | DEF AT ----- | DEF AT 3 |
| 10330 / 9330 | DEF AT ----- | DEF AT 4 |
| 10438 / 9420 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 341 | Date of Summary: 23-NOV-1987 | First Sample Examined: 1030 |
| Lease Number: G02427 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 7200 |
| Well Name: 003 | Paleo Done By: GAY LARRE' | Borehole TVD: 6846 |
| API Well Number: 427114012500 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 51 |
| Paleo Report Num: 1 of 1 | Sample Range: 1030 - 7200 | Water Depth: 242 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1030 / 1030 | DEF AT first sample examined | DEF AT 2 |
| 1090 / 1090 | POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 2 |
| 1300 / 1300 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 1360 / 1360 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 1870 / 1866 | POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 1 |
| 1900 / 1895 | DEF AT pyrite | DEF AT 1 |
| 1901 / 1896 | POS AT unconformity | DEF AT 1 |
| 2320 / 2298 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 2440 / 2409 | POS AT volcanics | DEF AT 3 |
| 2710 / 2650 | DEF AT gray shale | DEF AT 2 |
| 3430 / 3270 | DEF AT oxidized shale | DEF AT 2 |
| 3431 / 3271 | DEF AT glauconite | DEF AT 2 |
| 3432 / 3272 | POS AT unconformity | DEF AT 2 |
| 3760 / 3556 | DEF AT cement | POS AT 2 |
| 3910 / 3686 | DEF AT sand | DEF AT 1 |
| 5499 / 5160 | POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 5500 / 5161 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 5560 / 5219 | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 6820 / 6467 | DEF AT gray shale | DEF AT 2 |
| 6821 / 6468 | DEF AT oxidized shale | DEF AT 2 |
| 7120 / 6766 | DEF AT sandstone | DEF AT 2 |
| 7200 / 6846 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 341 | Date of Summary: 30-APR-1986 | First Sample Examined: 1820 |
| Lease Number: G02427 | Source of Paleo: OPERATOR | Borehole MD: 10500 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10483 |
| API Well Number: 427114043000 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 2 | Sample Range: 1010 - 8400 | Water Depth: 240 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 1820 / 1819 | DEF AT first sample examined | DEF AT 1 |
| 2000 / 1999 | DEF AT ----- | DEF AT 2 |
| 2640 / 2639 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 2910 / 2909 | DEF AT ----- | DEF AT 1 |
| 3000 / 2999 | DEF AT ----- | DEF AT 2 |
| 3180 / 3179 | DEF AT sample gap top | POS AT 2 |
| 4900 / 4896 | DEF AT sample gap bottom | DEF AT 2 |
| 5050 / 5046 | DEF AT ----- | DEF AT 1 |
| 5320 / 5316 | DEF AT ----- | DEF AT 2 |
| 5440 / 5436 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 5800 / 5795 | DEF AT ----- | DEF AT 2 |
| 6570 / 6565 | DEF AT ----- | DEF AT 1 |
| 6810 / 6805 | DEF AT ----- | DEF AT 2 |
| 8400 / 8393 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 341 | Date of Summary: 30-APR-1986 | First Sample Examined: 5010 |
| Lease Number: G02427 | Source of Paleo: OPERATOR | Borehole MD: 10500 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10483 |
| API Well Number: 427114043000 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 2 of 2 | Sample Range: 4110 - 10500 | Water Depth: 240 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5010 / 5006 | DEF AT first sample examined | DEF AT |
| 5520 / 5516 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 5640 / 5635 | DEF AT - - - - - | DEF AT 2 |
| 5790 / 5785 | DEF AT sample gap top | POS AT 2 |
| 8010 / 8004 | DEF AT sample gap bottom | DEF AT 3 |
| 8040 / 8034 | DEF AT - - - - - | DEF AT 2 |
| 10460 / 10444 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 2 |
| 10500 / 10484 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 341 | Date of Summary: 30-APR-1986 | First Sample Examined: 2320 |
| Lease Number: G02427 | Source of Paleo: OPERATOR | Borehole MD: 9353 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 5875 |
| API Well Number: 427114044600 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 9360 | Water Depth: 240 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2320 / 2047 | DEF AT first sample examined | DEF AT 2 |
| 3100 / 2536 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 3610 / 2836 | DEF AT sample gap top | POS AT 2 |
| 6120 / 4122 | DEF AT sample gap bottom | DEF AT 2 |
| 6300 / 4219 | DEF AT ----- | DEF AT 1 |
| 6810 / 4493 | DEF AT ----- | DEF AT 2 |
| 7470 / 4843 | DEF AT ----- | DEF AT 3 |
| 7680 / 4941 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 7890 / 5038 | DEF AT ----- | DEF AT 2 |
| 9360 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 341 | Date of Summary: 30-APR-1986 | First Sample Examined: 5010 |
| Lease Number: G02427 | Source of Paleo: OPERATOR | Borehole MD: 10074 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 9604 |
| API Well Number: 427114045800 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 10074 | Water Depth: 240 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 5010 / 4820 | DEF AT first sample examined | DEF AT 1 |
| 5370 / 5156 | DEF AT ----- | DEF AT 2 |
| 5640 / 5408 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 6060 / 5797 | DEF AT ----- | DEF AT 2 |
| 8440 / 8035 | DEF AT ----- | DEF AT 3 |
| 8740 / 8323 | DEF AT ----- | DEF AT 2 |
| 10074 / 9604 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 341 | Date of Summary: 30-APR-1986 | First Sample Examined: 2530 |
| Lease Number: G02427 | Source of Paleo: OPERATOR | Borehole MD: 10247 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 6640 |
| API Well Number: 427114046200 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 9880 | Water Depth: 240 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 2530 / 2243 | DEF AT first sample examined | DEF AT 3 |
| 2800 / 2378 | DEF AT - - - - - | DEF AT 2 |
| 2890 / 2422 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 3730 / 2865 | DEF AT sample gap top | POS AT 1 |
| 6040 / 4106 | DEF AT sample gap bottom | DEF AT 1 |
| 6670 / 4436 | DEF AT - - - - - | DEF AT 2 |
| 7600 / 4928 | DEF AT - - - - - | DEF AT 3 |
| 7780 / 5025 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 8000 / 5143 | DEF AT - - - - - | DEF AT 2 |
| 9880 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 341 | Date of Summary: 30-APR-1986 | First Sample Examined: 5010 |
| Lease Number: G02427 | Source of Paleo: OPERATOR | Borehole MD: 10335 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 9336 |
| API Well Number: 427114046800 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 10230 | Water Depth: 240 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 5010 / 5008 | DEF AT first sample examined | DEF AT 2 |
| 5130 / 5126 | DEF AT ----- | DEF AT 1 |
| 5400 / 5386 | DEF AT ----- | DEF AT 2 |
| 5490 / 5470 | DEF AT ----- | DEF AT 3 |
| 5520 / 5497 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 5640 / 5606 | DEF AT ----- | DEF AT 2 |
| 6180 / 6053 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 6420 / 6238 | DEF AT sample gap top | POS AT 2 |
| 7950 / 7415 | DEF AT sample gap bottom | DEF AT 2 |
| 9210 / 8407 | DEF AT ----- | DEF AT 3 |
| 9420 / 8578 | DEF AT ----- | DEF AT 2 |
| 10230 / 9248 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 341 | Date of Summary: 30-APR-1986 | First Sample Examined: 6010 |
| Lease Number: G02427 | Source of Paleo: OPERATOR | Borehole MD: 9256 |
| Well Name: A006 | Paleo Done By: OPERATOR | Borehole TVD: 6095 |
| API Well Number: 427114046900 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 9270 | Water Depth: 240 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6010 / 4234 | DEF AT first sample examined | DEF AT 2 |
| 7410 / 5023 | DEF AT - - - - - | DEF AT 3 |
| 7440 / 5040 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 8100 / 5434 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8160 / 5470 | DEF AT - - - - - | DEF AT 2 |
| 9270 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 341 | Date of Summary: 30-APR-1986 | First Sample Examined: 5410 |
| Lease Number: G02427 | Source of Paleo: OPERATOR | Borehole MD: 9107 |
| Well Name: A008 | Paleo Done By: OPERATOR | Borehole TVD: 8214 |
| API Well Number: 427114047001 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 9107 | Water Depth: 240 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 5410 / 5348 | DEF AT first sample examined | DEF AT 2 |
| 5470 / 5400 | DEF AT - - - - - | DEF AT 3 |
| 5590 / 5501 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 5890 / 5756 | DEF AT - - - - - | DEF AT 2 |
| 6250 / 6063 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 7150 / 6775 | DEF AT sample gap top | POS AT 2 |
| 8500 / 7768 | DEF AT sample gap bottom | DEF AT 2 |
| 9107 / 8215 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 343 | Date of Summary: 17-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G14196 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6600 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6600 |
| API Well Number: 427114072000 | Drilling Operator: KING RANCH OIL AND GAS INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 239 |
| Public Info Code: Y 31-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5888 / 5888 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 352 | Date of Summary: 25-JUN-1997 | First Sample Examined: 0 |
| Lease Number: G14197 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14400 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14400 |
| API Well Number: 427114076700 | Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 268 |
| Public Info Code: Y 31-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1454 / 1454 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5162 / 5162 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|------------------------------------|
| Area Block: HI A 373 | Date of Summary: 25-JAN-1990 | First Sample Examined: 3000 |
| Lease Number: G07367 | Source of Paleo: OPERATOR | Borehole MD: 13757 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12158 |
| API Well Number: 427114065000 | Drilling Operator: SANTA FE MINERALS INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 13740 | Water Depth: 375 |
| Public Info Code: Y 30-JUL-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3000 / 3000 | DEF AT first sample examined | DEF AT 4 |
| 3001 / 3001 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 3660 / 3660 | DEF AT - - - - - | DEF AT 5 |
| 4620 / 4619 | DEF AT - - - - - | DEF AT 4 |
| 5190 / 5189 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 5730 / 5729 | DEF AT - - - - - | DEF AT 3 |
| 11160 / 10496 | DEF AT - - - - - | DEF AT 4 |
| 13740 / 12149 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 377 | Date of Summary: 12-OCT-1994 | First Sample Examined: 3000 |
| Lease Number: G11406 | Source of Paleo: OPERATOR | Borehole MD: 8800 |
| Well Name: 001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 8800 |
| API Well Number: 427114071400 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 8800 | Water Depth: 334 |
| Public Info Code: Y 17-JAN-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3000 / 3000 | DEF AT first sample examined | DEF AT 3 |
| 3780 / 3780 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 3930 / 3930 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 4500 / 4500 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 5130 / 5130 | POS AT unconformity | DEF AT 3 |
| 5580 / 5580 | POS AT unconformity | DEF AT 2 |
| 5700 / 5700 | POS AT unconformity | DEF AT 2 |
| 6000 / 6000 | DEF AT faunal change (no faunal increase) | POS AT 3 |
| 7950 / 7950 | POS AT unconformity | DEF AT 5 |
| 8010 / 8010 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 8070 / 8070 | DEF AT faunal change (no faunal increase) | POS AT 5 |
| 8760 / 8760 | DEF AT last sample examined | POS AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 382 | Date of Summary: 29-JUN-1988 | First Sample Examined: 0 |
| Lease Number: G02393 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15630 |
| Well Name: F009 | Paleo Done By: OPERATOR | Borehole TVD: 11328 |
| API Well Number: 427114062000 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 347 |
| Public Info Code: Y 23-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9460 / 7215 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 14740 / 10698 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 382 | Date of Summary: 31-DEC-1987 | First Sample Examined: 0 |
| Lease Number: G02757 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12000 |
| Well Name: F005 | Paleo Done By: OPERATOR | Borehole TVD: 11994 |
| API Well Number: 427114060900 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 342 |
| Public Info Code: Y 25-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4380 / 4306 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 11220 / 11141 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |
| 11910 / 11831 | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 382 | Date of Summary: 15-SEP-1987 | First Sample Examined: 0 |
| Lease Number: G02757 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10801 |
| Well Name: F006 | Paleo Done By: OPERATOR | Borehole TVD: 10001 |
| API Well Number: 427114061000 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 341 |
| Public Info Code: Y 22-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4260 / 4257 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 10110 / 9385 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 382 | Date of Summary: 29-JAN-1988 | First Sample Examined: 0 |
| Lease Number: G02757 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12204 |
| Well Name: F008 | Paleo Done By: OPERATOR | Borehole TVD: 9998 |
| API Well Number: 427114061700 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 347 |
| Public Info Code: Y 16-JAN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6030 / 5255 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 10530 / 8660 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 382 | Date of Summary: 14-OCT-1988 | First Sample Examined: 0 |
| Lease Number: G02757 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12319 |
| Well Name: F010 | Paleo Done By: OPERATOR | Borehole TVD: 11087 |
| API Well Number: 427114062600 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 347 |
| Public Info Code: Y 21-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5200 / 4848 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 9855 / 8960 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 382 | Date of Summary: 01-FEB-1989 | First Sample Examined: 0 |
| Lease Number: G02757 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16588 |
| Well Name: F011 | Paleo Done By: OPERATOR | Borehole TVD: 15327 |
| API Well Number: 427114063100 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 347 |
| Public Info Code: Y 10-FEB-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 11300 / 10151 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 12750 / 11559 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 13080 / 11879 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 13950 / 12723 | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT |
| 15390 / 14142 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 15690 / 14437 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 16470 / 15210 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 382 | Date of Summary: 25-MAY-1989 | First Sample Examined: 0 |
| Lease Number: G02757 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12786 |
| Well Name: F013 | Paleo Done By: OPERATOR | Borehole TVD: 11993 |
| API Well Number: 427114063800 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 347 |
| Public Info Code: Y 01-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9835 / 9158 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 11890 / 11136 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT |
| 12400 / 11622 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 384 | Date of Summary: 10-APR-1989 | First Sample Examined: 0 |
| Lease Number: G03316 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8905 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 8197 |
| API Well Number: 427114063300 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 390 |
| Public Info Code: Y 25-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, in=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3768 / 3614 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7280 / 6653 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 7400 / 6766 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 392 | Date of Summary: 27-JUN-1995 | First Sample Examined: 2020 |
| Lease Number: G13853 | Source of Paleo: OPERATOR | Borehole MD: 12800 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12501 |
| API Well Number: 427114072800 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 2020 - 12880 | Water Depth: 354 |
| Public Info Code: Y 30-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 2020 / 2011 | DEF AT first sample examined | DEF AT 3 |
| 2140 / 2127 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4900 / 4695 | DEF AT - - - - - | DEF AT 4 |
| 4960 / 4751 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 5590 / 5326 | DEF AT - - - - - | DEF AT 5 |
| 5860 / 5568 | DEF AT - - - - - | DEF AT 3 |
| 6990 / 6622 | DEF AT - - - - - | DEF AT 4 |
| 7890 / 7512 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 8310 / 7931 | DEF AT - - - - - | DEF AT 5 |
| 8670 / 8291 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 9390 / 9010 | DEF AT poor sample interval top | DEF AT 5 |
| 9930 / 9550 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10846 / 10466 | DEF AT poor sample interval bottom | DEF AT 5 |
| 11400 / 11019 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 11610 / 11229 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 12300 / 11919 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 5 |
| 12330 / 11949 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 12880 / 12499 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: HI A 402 | Date of Summary: 02-OCT-1997 | First Sample Examined: 2940 |
| Lease Number: G14203 | Source of Paleo: OPERATOR | Borehole MD: 15062 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14000 |
| API Well Number: 427114078400 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 2 | Sample Range: 2940 - 15062 | Water Depth: 574 |
| Public Info Code: Y 30-NOV-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 2940 / 2940 | DEF AT first sample examined | DEF AT 4 |
| 4350 / 4350 | DEF AT - - - - - | DEF AT 5 |
| 4800 / 4800 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 5370 / 5370 | DEF AT - - - - - | DEF AT 4 |
| 5760 / 5760 | DEF AT reworked material | DEF AT 4 |
| 6000 / 6000 | DEF AT - - - - - | DEF AT 5 |
| 6480 / 6480 | DEF AT - - - - - | DEF AT 4 |
| 10290 / 10085 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 10770 / 10473 | DEF AT - - - - - | DEF AT 3 |
| 11460 / 11034 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 14130 / 13213 | DEF AT - - - - - | DEF AT 4 |
| 15062 / 14000 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: HI A 402 | Date of Summary: 02-OCT-1997 | First Sample Examined: 3510 |
| Lease Number: G14203 | Source of Paleo: OPERATOR | Borehole MD: 15062 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14000 |
| API Well Number: 427114078400 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 73 |
| Paleo Report Num: 2 of 2 | Sample Range: 3510 - 15062 | Water Depth: 574 |
| Public Info Code: Y 30-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 3510 / 3510 | DEF AT first sample examined | DEF AT |
| 4050 / 4050 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 5190 / 5190 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 10140 / 9964 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 10260 / 10061 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 11460 / 11034 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 15062 / 14000 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 417 | Date of Summary: 30-JUN-1992 | First Sample Examined: 4500 |
| Lease Number: G09114 | Source of Paleo: OPERATOR | Borehole MD: 9769 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8251 |
| API Well Number: 427094095200 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 9750 | Water Depth: 161 |
| Public Info Code: Y 28-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4500 / 4287 | DEF AT first sample examined | DEF IN 3 |
| 4890 / 4575 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 3 |
| 6990 / 6145 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 3 |
| 9660 / 8168 | DEF AT - - - - - | DEF AT 5 |
| 9750 / 8237 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 421 | Date of Summary: 06-FEB-1996 | First Sample Examined: 0 |
| Lease Number: G12576 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6500 |
| API Well Number: 427094100200 | Drilling Operator: ENERGY DEVELOPMENT CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 143 |
| Public Info Code: Y 29-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5918 / 5917 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 448 | Date of Summary: 20-JAN-1984 | First Sample Examined: 2705 |
| Lease Number: G02361 | Source of Paleo: OPERATOR | Borehole MD: 8823 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8819 |
| API Well Number: 427094079000 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 2705 - 8820 | Water Depth: 163 |
| Public Info Code: Y 12-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 2705 / 2705 | DEF AT first sample examined | DEF AT 2 |
| 2830 / 2830 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 2 |
| 3860 / 3860 | POS IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 3920 / 3920 | DEF AT - - - - - | DEF AT 2 |
| 5250 / 5250 | DEF AT - - - - - | DEF AT 3 |
| 5310 / 5310 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 5530 / 5530 | DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L" | DEF AT 3 |
| 7035 / 7034 | DEF AT - - - - - | DEF AT 4 |
| 7095 / 7094 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 7595 / 7594 | DEF AT - - - - - | DEF AT 5 |
| 7940 / 7939 | DEF AT - - - - - | DEF AT 3 |
| 8778 / 8774 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 6 |
| 8779 / 8775 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 6 |
| 8780 / 8776 | DEF AT local marker deep water fauna | DEF AT 6 |
| 8820 / 8816 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 462 | Date of Summary: 27-DEC-1983 | First Sample Examined: 0 |
| Lease Number: G03478 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8004 |
| Well Name: A006 | Paleo Done By: OPERATOR | Borehole TVD: 7631 |
| API Well Number: 427094078500 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 165 |
| Public Info Code: Y 01-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6790 / 6474 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 462 | Date of Summary: 01-JUN-1984 | First Sample Examined: 0 |
| Lease Number: G03478 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8004 |
| Well Name: A006 | Paleo Done By: OPERATOR | Borehole TVD: 7631 |
| API Well Number: 427094078500 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 89 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 165 |
| Public Info Code: Y 01-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4233 / 4054 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5530 / 5278 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 468 | Date of Summary: 18-JAN-1993 | First Sample Examined: 0 |
| Lease Number: G13336 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10098 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9293 |
| API Well Number: 427094095700 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 186 |
| Public Info Code: Y 30-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1485 / 1482 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3750 / 3738 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6230 / 6154 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 8120 / 7575 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 468 | Date of Summary: 26-MAY-1993 | First Sample Examined: 0 |
| Lease Number: G13336 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3500 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 3500 |
| API Well Number: 427094096500 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 190 |
| Public Info Code: Y 30-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1740 / 1740 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 470 | Date of Summary: 22-JUN-1994 | First Sample Examined: 0 |
| Lease Number: G11385 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10517 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10383 |
| API Well Number: 427094097200 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 198 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4120 / 4120 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 4600 / 4600 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7840 / 7714 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 471 | Date of Summary: 04-APR-1985 | First Sample Examined: 3350 |
| Lease Number: G02690 | Source of Paleo: OPERATOR | Borehole MD: 9674 |
| Well Name: B004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7964 |
| API Well Number: 427094082300 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 3350 - 9674 | Water Depth: 193 |
| Public Info Code: Y 01-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3350 / 2586 | DEF AT first sample examined | DEF AT 2 |
| 4610 / 3465 | DEF AT - - - - - | DEF AT 3 |
| 5560 / 4300 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6240 / 4912 | DEF AT - - - - - | DEF AT 4 |
| 6390 / 5047 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 4 |
| 8699 / 7121 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 8700 / 7122 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 4 |
| 9539 / 7848 | DEF AT Bathysiphon fauna | DEF AT 5 |
| 9540 / 7849 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 9663 / 7955 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 6 |
| 9664 / 7956 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 9674 / 7964 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: HI A 471 | Date of Summary: 01-JUL-1985 | First Sample Examined: 900 |
| Lease Number: G02690 | Source of Paleo: OPERATOR | Borehole MD: 9350 |
| Well Name: C008 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8231 |
| API Well Number: 427094083400 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 900 - 9350 | Water Depth: 191 |
| Public Info Code: Y 20-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 900 / 900 | DEF AT first sample examined | DEF AT 4 |
| 901 / 901 | DEF AT cement | DEF AT 4 |
| 1080 / 1080 | DEF AT - - - - - | DEF AT 2 |
| 1710 / 1710 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 2220 / 2219 | DEF AT - - - - - | DEF AT 4 |
| 2400 / 2396 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 4 |
| 2550 / 2539 | DEF AT - - - - - | DEF AT 3 |
| 2910 / 2867 | DEF AT - - - - - | DEF AT 2 |
| 4100 / 3750 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 4989 / 4415 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 4990 / 4415 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 5930 / 5240 | DEF AT - - - - - | DEF AT 4 |
| 6470 / 5714 | DEF AT - - - - - | DEF AT 3 |
| 8060 / 7091 | DEF AT - - - - - | DEF AT 4 |
| 9109 / 8017 | DEF AT Bathysiphon fauna | DEF AT 5 |
| 9110 / 8018 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 9290 / 8178 | POS AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 6 |
| 9320 / 8204 | DEF IN local marker deep water fauna | DEF AT 6 |
| 9350 / 8231 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 472 | Date of Summary: 18-JAN-1982 | First Sample Examined: 0 |
| Lease Number: G04586 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9613 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9610 |
| API Well Number: 427094064800 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 183 |
| Public Info Code: Y 27-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3870 / 3870 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5250 / 5249 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8340 / 8338 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 472 | Date of Summary: 20-JAN-1982 | First Sample Examined: 0 |
| Lease Number: G04586 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8975 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 8971 |
| API Well Number: 427094065800 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 183 |
| Public Info Code: Y 27-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1620 / 1620 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 3390 / 3390 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 4680 / 4680 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 5310 / 5310 | DEF AT - - - - - | DEF AT 4 |
| 7530 / 7528 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 472 | Date of Summary: 22-NOV-1982 | First Sample Examined: 1000 |
| Lease Number: G04586 | Source of Paleo: OPERATOR | Borehole MD: 5336 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 4412 |
| API Well Number: 427094073500 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 5303 | Water Depth: 183 |
| Public Info Code: Y 27-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 1000 / 999 | DEF AT first sample examined | DEF IN 2 |
| 1330 / 1329 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 1480 / 1478 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 1600 / 1597 | DEF AT sample gap top | POS AT 3 |
| 2430 / 2363 | DEF AT sample gap bottom | DEF AT 3 |
| 3210 / 2957 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5303 / 4383 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 472 | Date of Summary: 23-SEP-1983 | First Sample Examined: 0 |
| Lease Number: G04586 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10597 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 9077 |
| API Well Number: 427094074300 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 183 |
| Public Info Code: Y 27-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5190 / 5144 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8640 / 7781 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 472 | Date of Summary: 30-SEP-1983 | First Sample Examined: 0 |
| Lease Number: G04586 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10597 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 9077 |
| API Well Number: 427094074300 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 183 |
| Public Info Code: Y 27-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5190 / 5144 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8640 / 7781 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: HI A 477 | Date of Summary: 27-DEC-1983 | First Sample Examined: 4510 |
| Lease Number: G06226 | Source of Paleo: OPERATOR | Borehole MD: 11000 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8575 |
| API Well Number: 427094078600 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 4510 - 11020 | Water Depth: 170 |
| Public Info Code: Y 19-JAN-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4510 / 4033 | DEF AT first sample examined | DEF IN 3 |
| 4720 / 4165 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5680 / 4802 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8650 / 6937 | DEF AT - - - - - | DEF AT 4 |
| 9250 / 7354 | DEF AT - - - - - | DEF AT 5 |
| 9340 / 7417 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 11020 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: HI A 477 | Date of Summary: 16-JAN-1985 | First Sample Examined: 4210 |
| Lease Number: G06226 | Source of Paleo: OPERATOR | Borehole MD: 9219 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8565 |
| API Well Number: 427094081200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 4210 - 9200 | Water Depth: 170 |
| Public Info Code: Y 11-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 4210 / 4032 | DEF AT first sample examined | DEF IN 3 |
| 4211 / 4033 | DEF IN cement | POS IN 3 |
| 4390 / 4194 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 6500 / 6112 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 6710 / 6301 | DEF AT ----- | DEF AT 4 |
| 7640 / 7141 | DEF AT ----- | DEF AT 5 |
| 7700 / 7196 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 9200 / 8549 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 486 | Date of Summary: 31-MAY-1989 | First Sample Examined: 0 |
| Lease Number: G06227 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8199 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8195 |
| API Well Number: 427094090900 | Drilling Operator: CLIFFS DRILLING COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 170 |
| Public Info Code: Y 04-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6296 / 6293 | POS IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 490 | Date of Summary: 23-MAY-1990 | First Sample Examined: 0 |
| Lease Number: G03117 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12766 |
| Well Name: JA007 | Paleo Done By: OPERATOR | Borehole TVD: 12343 |
| API Well Number: 427094056201 | Drilling Operator: CONOCO INC | Rkb Elevation: 126 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 185 |
| Public Info Code: Y 31-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8120 / 7703 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 11300 / 10876 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 497 | Date of Summary: 03-JUN-1987 | First Sample Examined: 0 |
| Lease Number: G06231 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5804 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 4392 |
| API Well Number: 427094079900 | Drilling Operator: KOCH INDUSTRIES INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 219 |
| Public Info Code: Y 22-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4309 / 3235 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 497 | Date of Summary: 13-JUL-1987 | First Sample Examined: 0 |
| Lease Number: G06231 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11284 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 7427 |
| API Well Number: 427094086300 | Drilling Operator: KOCH INDUSTRIES INC | Rkb Elevation: 133 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 219 |
| Public Info Code: Y 28-FEB-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3892 / 3382 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 497 | Date of Summary: 30-APR-1996 | First Sample Examined: 0 |
| Lease Number: G06231 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8424 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 4376 |
| API Well Number: 427094086600 | Drilling Operator: KOCH INDUSTRIES INC | Rkb Elevation: 132 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 219 |
| Public Info Code: Y 25-MAR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5380 / 3458 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 497 | Date of Summary: 30-APR-1987 | First Sample Examined: 0 |
| Lease Number: G06231 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11800 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 8003 |
| API Well Number: 427094086700 | Drilling Operator: KOCH INDUSTRIES INC | Rkb Elevation: 132 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 219 |
| Public Info Code: Y 21-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4466 / 3389 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 10822 / 7377 | DEF IN Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 497 | Date of Summary: 20-JAN-1989 | First Sample Examined: 0 |
| Lease Number: G06231 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5500 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 5497 |
| API Well Number: 427094080900 | Drilling Operator: KOCH INDUSTRIES INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 219 |
| Public Info Code: Y 21-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1626 / 1626 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3184 / 3183 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 497 | Date of Summary: 30-DEC-1986 | First Sample Examined: 0 |
| Lease Number: G07338 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7009 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 3328 |
| API Well Number: 427094086201 | Drilling Operator: KOCH INDUSTRIES INC | Rkb Elevation: 132 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 219 |
| Public Info Code: Y 14-DEC-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3096 / 1783 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6533 / 3118 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 497 | Date of Summary: 19-JAN-1995 | First Sample Examined: 0 |
| Lease Number: G11389 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14639 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 8503 |
| API Well Number: 427094086701 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 215 |
| Public Info Code: Y 27-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4466 / 4348 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 10822 / 9192 | DEF IN Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 500 | Date of Summary: 11-DEC-1998 | First Sample Examined: 7740 |
| Lease Number: G14190 | Source of Paleo: OPERATOR | Borehole MD: 11781 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 11773 |
| API Well Number: 427094105700 | Drilling Operator: FORCENERGY INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 7740 - 11780 | Water Depth: 185 |
| Public Info Code: Y 11-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7740 / 7739 | DEF AT first sample examined | DEF AT |
| 8280 / 8279 | DEF IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 5 |
| 8339 / 8338 | DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus | DEF AT 5 |
| 8340 / 8339 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 8350 / 8349 | DEF AT - - - - - | DEF IN 4 |
| 8519 / 8518 | DEF AT foram flood | DEF AT 5 |
| 8520 / 8519 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 8669 / 8667 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 5 |
| 8670 / 8668 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 5 |
| 8820 / 8818 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 8970 / 8968 | DEF AT Lower Pliocene (Zanclian) Sigmolinita "P" / cf. schlumbergeri | DEF AT 5 |
| 8999 / 8997 | DEF AT Cyclammina cancellata (local marker) | DEF AT 5 |
| 9000 / 8998 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 5 |
| 9300 / 9297 | DEF AT - - - - - | DEF AT 4 |
| 9330 / 9327 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 9540 / 9536 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 5 |
| 9870 / 9865 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 5 |
| 10140 / 10135 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 5 |
| 10350 / 10345 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 5 |
| 10380 / 10375 | DEF AT - - - - - | DEF AT 4 |
| 10490 / 10485 | DEF AT - - - - - | DEF AT 5 |
| 10500 / 10495 | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 500 | Date of Summary: 11-DEC-1998 | First Sample Examined: 7740 |
| Lease Number: G14190 | Source of Paleo: OPERATOR | Borehole MD: 11781 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 11773 |
| API Well Number: 427094105700 | Drilling Operator: FORCENERGY INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 7740 - 11780 | Water Depth: 185 |
| Public Info Code: Y 11-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10530 / 10525 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 5 |
| 10890 / 10884 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 5 |
| 10980 / 10974 | DEF AT Cyclammia cancellata (local marker) | DEF AT 5 |
| 11100 / 11094 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 5 |
| 11490 / 11483 | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 5 |
| 11580 / 11573 | DEF AT Upper Miocene (Tortonian) Globorotalia siakensis | DEF AT 5 |
| 11700 / 11692 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 5 |
| 11780 / 11772 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 501 | Date of Summary: 13-APR-1993 | First Sample Examined: 0 |
| Lease Number: G12580 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6605 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6605 |
| API Well Number: 427094096400 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 180 |
| Public Info Code: Y 31-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4020 / 4020 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 4570 / 4570 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 5080 / 5080 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT |
| 6130 / 6130 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: HI A 506 | Date of Summary: 18-DEC-1990 | First Sample Examined: 0 |
| Lease Number: G11388 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6245 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6245 |
| API Well Number: 427094093600 | Drilling Operator: FREEPORT MCMORAN RESOURCE PARTNERS LIMITE | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 171 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4790 / 4790 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 515 | Date of Summary: 28-DEC-1987 | First Sample Examined: 0 |
| Lease Number: G04189 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 1860 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 1860 |
| API Well Number: 427094088800 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 201 |
| Public Info Code: Y 19-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1570 / 1570 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 518 | Date of Summary: 03-JAN-1997 | First Sample Examined: 0 |
| Lease Number: G11389 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8863 |
| Well Name: C001 | Paleo Done By: OPERATOR | Borehole TVD: 8742 |
| API Well Number: 427094099701 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 218 |
| Public Info Code: Y 27-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8214 / 8153 | DEF IN Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 518 | Date of Summary: 03-JAN-1997 | First Sample Examined: 0 |
| Lease Number: G11389 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9349 |
| Well Name: C002 | Paleo Done By: OPERATOR | Borehole TVD: 9098 |
| API Well Number: 427094099900 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 218 |
| Public Info Code: Y 27-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5970 / 5719 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7710 / 7458 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 518 | Date of Summary: 31-JAN-1997 | First Sample Examined: 0 |
| Lease Number: G11389 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10411 |
| Well Name: C004 | Paleo Done By: OPERATOR | Borehole TVD: 8676 |
| API Well Number: 427094102100 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 147 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 220 |
| Public Info Code: Y 27-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9832 / 8226 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 520 | Date of Summary: 17-JUL-1991 | First Sample Examined: 3430 |
| Lease Number: G12582 | Source of Paleo: OPERATOR | Borehole MD: 8500 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8500 |
| API Well Number: 427094094400 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 3430 - 8500 | Water Depth: 238 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3430 / 3430 | DEF AT first sample examined | DEF IN 3 |
| 4270 / 4270 | DEF AT - - - - - | DEF AT 4 |
| 4390 / 4390 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 5260 / 5260 | POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 4 |
| 5650 / 5649 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 5770 / 5769 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 6490 / 6489 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 7780 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 8350 / | DEF AT - - - - - | DEF AT 6 |
| 8500 / | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 524 | Date of Summary: 20-OCT-1994 | First Sample Examined: 4000 |
| Lease Number: G11391 | Source of Paleo: OPERATOR | Borehole MD: 11236 |
| Well Name: 001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 9223 |
| API Well Number: 427094097900 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 11236 | Water Depth: 220 |
| Public Info Code: Y 18-JAN-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4000 / 3986 | DEF AT first sample examined | POS IN 4 |
| 4001 / 3987 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 4 |
| 4330 / 4295 | DEF AT local marker foram decrease | POS AT 1 |
| 4690 / 4627 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 5230 / 5092 | DEF AT local marker foram increase | DEF AT 2 |
| 5410 / 5239 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5620 / 5396 | DEF AT local marker foram decrease | DEF AT 2 |
| 5650 / 5417 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 6010 / 5672 | POS AT unconformity | DEF IN 3 |
| 6100 / 5737 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 6310 / 5886 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 7090 / 6439 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 7390 / 6647 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 7480 / 6709 | POS IN Upper Pliocene (Gelasian) Globorotalia exilis | DEF AT 3 |
| 8850 / 7653 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 8940 / 7715 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9030 / 7776 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 9740 / 8242 | POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 4 |
| 9800 / 8279 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 9830 / 8298 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10010 / 8413 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11210 / 9206 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 539 | Date of Summary: 06-JUL-1994 | First Sample Examined: 0 |
| Lease Number: G14191 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6135 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4808 |
| API Well Number: 427094097400 | Drilling Operator: BRITISH-BORNEO USA INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 229 |
| Public Info Code: Y 30-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3385 / 3009 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 545 | Date of Summary: 17-MAR-1975 | First Sample Examined: 1000 |
| Lease Number: G02704 | Source of Paleo: OPERATOR | Borehole MD: 8880 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8880 |
| API Well Number: 427094008500 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 8880 | Water Depth: 243 |
| Public Info Code: Y 08-AUG-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 1000 / 1000 | DEF AT first sample examined | DEF IN 3 |
| 2650 / 2650 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 4859 / 4859 | DEF AT pyrite | DEF AT 4 |
| 4860 / 4860 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 4950 / 4950 | DEF AT local marker deep water fauna | DEF AT 5 |
| 5040 / 5040 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 5 |
| 6300 / 6300 | DEF AT local marker foram increase | DEF AT 5 |
| 6780 / 6779 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 7080 / 7079 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 8337 / 8336 | POS AT gouge | DEF AT 5 |
| 8338 / 8337 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 5 |
| 8339 / 8338 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 8340 / 8339 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 8460 / 8459 | DEF AT gouge | DEF AT 6 |
| 8640 / 8639 | DEF AT anhydrite | DEF AT 6 |
| 8880 / 8879 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 551 | Date of Summary: 25-JUL-1983 | First Sample Examined: 6780 |
| Lease Number: G03757 | Source of Paleo: OPERATOR | Borehole MD: 10752 |
| Well Name: B001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8628 |
| API Well Number: 427094079400 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 2 | Sample Range: 6780 - 7530 | Water Depth: 261 |
| Public Info Code: Y 05-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Sidetrack report, possibly well 4 sidetrack 2, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 6780 / 5688 | DEF AT first sample examined | POS AT 2 |
| 6781 / 5689 | DEF AT cement | POS AT 2 |
| 7110 / 5929 | DEF AT - - - - - | DEF AT 2 |
| 7320 / 6075 | DEF AT - - - - - | DEF AT 3 |
| 7530 / 6222 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 551 | Date of Summary: 25-JUL-1983 | First Sample Examined: 6570 |
| Lease Number: G03757 | Source of Paleo: OPERATOR | Borehole MD: 10752 |
| Well Name: B001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8628 |
| API Well Number: 427094079400 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 2 of 2 | Sample Range: 6570 - 9300 | Water Depth: 261 |
| Public Info Code: Y 05-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report, possibly well 4 sidetrack 3

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 6570 / 5532 | DEF AT first sample examined | POS IN 3 |
| 6571 / 5533 | DEF AT cement | POS IN 3 |
| 6780 / 5688 | DEF AT - - - - - | DEF IN 3 |
| 6840 / 5733 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF IN 3 |
| 6870 / 5755 | DEF AT cement | DEF IN 3 |
| 7410 / 6138 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF IN 3 |
| 7440 / 6159 | DEF AT - - - - - | DEF AT 5 |
| 7530 / 6222 | DEF AT - - - - - | DEF AT 3 |
| 8220 / 6703 | DEF AT poor sample interval top | POS AT 3 |
| 9060 / 7313 | DEF AT poor sample interval bottom | DEF AT 3 |
| 9300 / 7495 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 551 | Date of Summary: 12-DEC-1983 | First Sample Examined: 4330 |
| Lease Number: G03757 | Source of Paleo: OPERATOR | Borehole MD: 9638 |
| Well Name: B002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8534 |
| API Well Number: 427094078200 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 4330 - 6670 | Water Depth: 261 |
| Public Info Code: Y 10-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 4330 / 4002 | DEF AT first sample examined | POS AT 4 |
| 4331 / 4003 | DEF AT cement | POS AT 4 |
| 4450 / 4105 | DEF AT - - - - - | DEF AT 4 |
| 5110 / 4675 | DEF AT - - - - - | DEF AT 3 |
| 5650 / 5121 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 6490 / 5835 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 6640 / 5965 | POS AT local marker deep water fauna | DEF AT 5 |
| 6670 / 5991 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 551 | Date of Summary: 29-NOV-1983 | First Sample Examined: 4830 |
| Lease Number: G03757 | Source of Paleo: OPERATOR | Borehole MD: 9221 |
| Well Name: B002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8329 |
| API Well Number: 427094078201 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 3 | Sample Range: 4830 - 6480 | Water Depth: 261 |
| Public Info Code: Y 19-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Sidetrack 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4830 / 4436 | DEF AT first sample examined | DEF AT 4 |
| 5700 / 5162 | DEF AT - - - - - | DEF AT 3 |
| 5820 / 5262 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 6480 / 5826 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 551 | Date of Summary: 12-DEC-1983 | First Sample Examined: 4830 |
| Lease Number: G03757 | Source of Paleo: OPERATOR | Borehole MD: 9221 |
| Well Name: B002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8329 |
| API Well Number: 427094078201 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 2 of 3 | Sample Range: 4830 - 9630 | Water Depth: 261 |
| Public Info Code: Y 19-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack 2 report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 4830 / 4436 | DEF AT first sample examined | DEF AT 4 |
| 5700 / 5162 | DEF AT - - - - - | DEF AT 3 |
| 5820 / 5262 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 6660 / 5983 | DEF AT - - - - - | DEF AT 6 |
| 6960 / 6250 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 6 |
| 7290 / 6546 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 6 |
| 8250 / 7415 | DEF AT - - - - - | DEF AT 4 |
| 9630 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 551 | Date of Summary: 05-JAN-1984 | First Sample Examined: 6580 |
| Lease Number: G03757 | Source of Paleo: OPERATOR | Borehole MD: 9221 |
| Well Name: B002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8329 |
| API Well Number: 427094078201 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 3 of 3 | Sample Range: 6580 - 9210 | Water Depth: 261 |
| Public Info Code: Y 19-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack 3 report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 6580 / 5913 | DEF AT first sample examined | DEF AT 4 |
| 6820 / 6125 | DEF AT - - - - - | DEF AT 6 |
| 6940 / 6232 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 6 |
| 7300 / 6555 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 6 |
| 7600 / 6826 | DEF AT - - - - - | DEF AT 4 |
| 8420 / 7570 | DEF AT - - - - - | DEF AT 3 |
| 9210 / 8318 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 551 | Date of Summary: 16-FEB-1984 | First Sample Examined: 3000 |
| Lease Number: G03949 | Source of Paleo: OPERATOR | Borehole MD: 8916 |
| Well Name: B003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8594 |
| API Well Number: 427094078800 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 8916 | Water Depth: 261 |
| Public Info Code: Y 10-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3000 / 2943 | DEF AT first sample examined | DEF AT 1 |
| 3330 / 3257 | DEF AT - - - - - | DEF AT 2 |
| 3730 / 3639 | DEF AT - - - - - | DEF AT 1 |
| 5580 / 5411 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 1 |
| 6928 / 6721 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6929 / 6722 | DEF IN Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 6930 / 6723 | POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 3 |
| 7170 / 6959 | DEF AT - - - - - | DEF AT 2 |
| 7770 / 7536 | DEF AT - - - - - | DEF AT 1 |
| 8916 / 8594 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 551 | Date of Summary: 10-OCT-1994 | First Sample Examined: 0 |
| Lease Number: G03949 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10640 |
| Well Name: B004 | Paleo Done By: OPERATOR | Borehole TVD: 8282 |
| API Well Number: 427094079700 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 261 |
| Public Info Code: Y 23-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5360 / 4732 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6020 / 5192 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 9020 / 7205 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 553 | Date of Summary: 10-JUN-1985 | First Sample Examined: 1560 |
| Lease Number: G06237 | Source of Paleo: OPERATOR | Borehole MD: 14698 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14698 |
| API Well Number: 427094082000 | Drilling Operator: CSX OIL & GAS CORPORATION | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 2 | Sample Range: 1560 - 8820 | Water Depth: 263 |
| Public Info Code: Y 08-JUL-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1560 / 1560 | DEF AT first sample examined | POS IN 3 |
| 1561 / 1561 | DEF IN cement | POS IN 3 |
| 1590 / 1590 | DEF AT - - - - | DEF IN 3 |
| 2010 / 2010 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 5070 / 5070 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 8820 / 8818 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 553 | Date of Summary: 10-JUN-1985 | First Sample Examined: 8300 |
| Lease Number: G06237 | Source of Paleo: OPERATOR | Borehole MD: 14698 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14698 |
| API Well Number: 427094082000 | Drilling Operator: CSX OIL & GAS CORPORATION | Rkb Elevation: 108 |
| Paleo Report Num: 2 of 2 | Sample Range: 8300 - 14670 | Water Depth: 263 |
| Public Info Code: Y 08-JUL-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 8300 / 8299 | DEF AT first sample examined | DEF AT 4 |
| 9420 / 9416 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 9870 / 9864 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 4 |
| 9930 / 9924 | DEF AT - - - - - | DEF AT 5 |
| 10470 / 10463 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 12060 / 12046 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 12240 / 12225 | DEF AT - - - - - | DEF AT 6 |
| 13050 / 13033 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 13380 / 13362 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 6 |
| 14160 / 14141 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 6 |
| 14670 / 14650 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 557 | Date of Summary: 21-JUL-1997 | First Sample Examined: 0 |
| Lease Number: G03484 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8635 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7266 |
| API Well Number: 427094091500 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 224 |
| Public Info Code: Y 02-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7440 / 6583 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7990 / 7002 | POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 557 | Date of Summary: 18-DEC-1989 | First Sample Examined: 0 |
| Lease Number: G03484 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9448 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 7374 |
| API Well Number: 427094091800 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 224 |
| Public Info Code: Y 23-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6779 / 5832 | POS IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 7908 / 6494 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8422 / 6788 | POS IN Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 557 | Date of Summary: 05-JAN-1984 | First Sample Examined: 4620 |
| Lease Number: G06238 | Source of Paleo: OPERATOR | Borehole MD: 11251 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7335 |
| API Well Number: 427094077900 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 2 | Sample Range: 4620 - 8030 | Water Depth: 228 |
| Public Info Code: Y 01-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4620 / 3748 | DEF AT first sample examined | DEF AT 3 |
| 5480 / 4183 | DEF AT - - - - - | DEF AT 4 |
| 7370 / 5190 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 8030 / 5503 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 557 | Date of Summary: 05-JAN-1984 | First Sample Examined: 7010 |
| Lease Number: G06238 | Source of Paleo: OPERATOR | Borehole MD: 11251 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7335 |
| API Well Number: 427094077900 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 115 |
| Paleo Report Num: 2 of 2 | Sample Range: 7010 - 11210 | Water Depth: 228 |
| Public Info Code: Y 01-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack 1 report

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 7010 / 5010 | DEF AT first sample examined | DEF AT 4 |
| 7400 / 5204 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 7640 / 5313 | DEF AT sample gap top | POS AT 4 |
| 8510 / 5763 | DEF AT sample gap bottom | DEF AT 3 |
| 9980 / 6603 | DEF AT - - - - - | DEF AT 5 |
| 10130 / 6690 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10730 / 7036 | DEF AT local marker foram increase | DEF AT 5 |
| 11210 / 7303 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 557 | Date of Summary: 25-OCT-1989 | First Sample Examined: 0 |
| Lease Number: G06238 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9804 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7298 |
| API Well Number: 427094091200 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 224 |
| Public Info Code: Y 29-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8600 / 6436 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 9201 / 6867 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 571 | Date of Summary: 13-NOV-1989 | First Sample Examined: 6700 |
| Lease Number: G02391 | Source of Paleo: OPERATOR | Borehole MD: 7200 |
| Well Name: 006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7200 |
| API Well Number: 427094091400 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 6700 - 7000 | Water Depth: 268 |
| Public Info Code: Y 05-OCT-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6700 / 6700 | DEF AT first sample examined | DEF AT 3 |
| 6701 / 6701 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6702 / 6702 | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 3 |
| 7000 / 7000 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: HI A 571 | Date of Summary: 28-AUG-1986 | First Sample Examined: 0 |
| Lease Number: G02391 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16450 |
| Well Name: C002 | Paleo Done By: OPERATOR | Borehole TVD: 15863 |
| API Well Number: 427094085200 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 200 |
| Public Info Code: Y 10-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10560 / 10229 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 13790 / 13296 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 15530 / 14970 | DEF AT local marker deep water fauna | DEF AT 6 |
| 15620 / 15057 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 16355 / 15771 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 571 | Date of Summary: 24-APR-1996 | First Sample Examined: 0 |
| Lease Number: G02392 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16057 |
| Well Name: C021 | Paleo Done By: OPERATOR | Borehole TVD: 14002 |
| API Well Number: 427094086100 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 290 |
| Public Info Code: Y 21-FEB-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8280 / 7506 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 14780 / 12976 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 15950 / 13922 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 572 | Date of Summary: 23-JAN-1996 | First Sample Examined: 0 |
| Lease Number: G02392 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14928 |
| Well Name: C018 | Paleo Done By: OPERATOR | Borehole TVD: 14112 |
| API Well Number: 427094026601 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 295 |
| Public Info Code: Y 06-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7750 / 7349 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 11070 / 10421 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 13400 / 12589 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 14870 / 14010 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: HI A 572 | Date of Summary: 22-JUL-1997 | First Sample Examined: 0 |
| Lease Number: G02392 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16388 |
| Well Name: C022 | Paleo Done By: OPERATOR | Borehole TVD: 15552 |
| API Well Number: 427094079800 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 295 |
| Public Info Code: Y 02-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4000 / 4000 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7740 / 7697 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 9700 / 9510 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT |
| 10530 / 10286 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 11760 / 11409 | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT |
| 12700 / 12272 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 14520 / 13952 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 587 | Date of Summary: 10-DEC-1985 | First Sample Examined: 3610 |
| Lease Number: G07349 | Source of Paleo: OPERATOR | Borehole MD: 14752 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13866 |
| API Well Number: 427094083000 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 3 | Sample Range: 3610 - 4600 | Water Depth: 466 |
| Public Info Code: Y 05-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-------------|--|----------------|
| 3610 / 3610 | DEF AT first sample examined | DEF AT |
| 3611 / 3611 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 4300 / 4300 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 4599 / 4599 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4600 / 4600 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 587 | Date of Summary: 10-DEC-1985 | First Sample Examined: 8920 |
| Lease Number: G07349 | Source of Paleo: OPERATOR | Borehole MD: 14752 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13866 |
| API Well Number: 427094083000 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 3 | Sample Range: 8920 - 12830 | Water Depth: 466 |
| Public Info Code: Y 05-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8920 / 8799 | DEF AT first sample examined | DEF AT |
| 10490 / 10191 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 12828 / 12228 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT |
| 12829 / 12229 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 12830 / 12230 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: HI A 587 | Date of Summary: 10-DEC-1985 | First Sample Examined: 14190 |
| Lease Number: G07349 | Source of Paleo: OPERATOR | Borehole MD: 14752 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13866 |
| API Well Number: 427094083000 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 3 of 3 | Sample Range: 14190 - 14460 | Water Depth: 466 |
| Public Info Code: Y 05-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack 3 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14190 / 13372 | DEF AT first sample examined | DEF AT |
| 14191 / 13373 | DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |
| 14430 / 13582 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT |
| 14459 / 13607 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 14460 / 13608 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 587 | Date of Summary: 29-NOV-1990 | First Sample Examined: 0 |
| Lease Number: G07349 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13090 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12500 |
| API Well Number: 427094089601 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 467 |
| Public Info Code: Y 03-FEB-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12880 / 12291 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multcamerata | DEF AT |
| 12910 / 12321 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 589 | Date of Summary: 01-OCT-1998 | First Sample Examined: 5800 |
| Lease Number: G17204 | Source of Paleo: OPERATOR | Borehole MD: 10545 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 9859 |
| API Well Number: 427094105600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 5800 - 10530 | Water Depth: 478 |
| Public Info Code: Y 28-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5800 / 5800 | DEF AT first sample examined | DEF IN 3 |
| 5801 / 5801 | DEF AT local marker benthic foram increase | DEF IN 3 |
| 5860 / 5860 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 6010 / 6009 | DEF AT local marker foram increase | DEF AT 3 |
| 6610 / 6596 | DEF AT faunal change (no faunal increase) | DEF IN 2 |
| 6970 / 6936 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 7150 / 7101 | POS AT unconformity | DEF AT 4 |
| 7210 / 7155 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 7300 / 7234 | POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF IN 3 |
| 7420 / 7339 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 7570 / 7467 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 7750 / 7615 | DEF AT poor sample interval top | POS AT 4 |
| 7870 / 7712 | DEF AT poor sample interval bottom | DEF AT 4 |
| 7930 / 7760 | DEF AT limestone | DEF AT 4 |
| 8240 / 8004 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 4 |
| 8390 / 8121 | DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 4 |
| 8480 / 8192 | DEF AT cement | POS AT 4 |
| 8600 / 8289 | DEF AT faunal change (no faunal increase) | POS AT 3 |
| 8800 / 8453 | DEF AT poor sample interval top | POS AT 3 |
| 9170 / 8759 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | POS AT 3 |
| 9200 / 8784 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | POS AT 3 |
| 9399 / 8946 | DEF AT pyrite | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 589 | Date of Summary: 01-OCT-1998 | First Sample Examined: 5800 |
| Lease Number: G17204 | Source of Paleo: OPERATOR | Borehole MD: 10545 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 9859 |
| API Well Number: 427094105600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 5800 - 10530 | Water Depth: 478 |
| Public Info Code: Y 28-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 9400 / 8947 | DEF AT limestone | POS AT 3 |
| 9430 / 8970 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | POS AT 3 |
| 9459 / 8993 | DEF AT poor sample interval bottom | POS IN 4 |
| 9460 / 8994 | POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | POS IN 4 |
| 9520 / 9042 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 9610 / 9113 | POS AT Upper Pliocene (Gelasian) Globorotalia exilis | POS AT 4 |
| 9670 / 9161 | POS AT Upper Pliocene (Gelasian) Globorotalia pertenuis | POS AT 4 |
| 9700 / 9185 | DEF AT limestone | POS AT 4 |
| 9730 / 9209 | POS IN Upper Pliocene (Gelasian) Textularia crassisepta / "P" | POS AT 4 |
| 9960 / 9393 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10080 / 9488 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10110 / 9512 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 4 |
| 10170 / 9559 | DEF AT local marker foram increase | DEF IN 4 |
| 10269 / 9637 | POS AT reworked material | DEF IN 4 |
| 10270 / 9637 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 4 |
| 10330 / 9685 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10390 / 9732 | DEF AT faunal change (no faunal increase) | POS IN 4 |
| 10470 / 9796 | DEF AT salt | POS IN 4 |
| 10530 / 9844 | DEF AT last sample examined | POS IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: HI A 589 | Date of Summary: 25-FEB-1999 | First Sample Examined: 5800 |
| Lease Number: G17204 | Source of Paleo: OPERATOR | Borehole MD: 10545 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9859 |
| API Well Number: 427094105600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 5800 - 10530 | Water Depth: 478 |
| Public Info Code: Y 28-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 5800 / 5800 | DEF AT first sample examined | DEF IN 3 |
| 7570 / 7467 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 8750 / 8412 | POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT 3 |
| 9170 / 8759 | POS IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 9171 / 8760 | POS AT reworked material | DEF AT 4 |
| 9430 / 8970 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 4 |
| 9460 / 8994 | POS AT reworked material | DEF AT 4 |
| 9461 / 8995 | POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 4 |
| 9520 / 9042 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 4 |
| 9880 / 9329 | DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 4 |
| 10020 / 9441 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 4 |
| 10080 / 9488 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10530 / 9844 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: HI A 589 | Date of Summary: 01-NOV-1998 | First Sample Examined: 8450 |
| Lease Number: G17204 | Source of Paleo: OPERATOR | Borehole MD: 10610 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 9893 |
| API Well Number: 427094105601 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 8450 - 10589 | Water Depth: 478 |
| Public Info Code: Y 28-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8450 / 8168 | DEF AT first sample examined | DEF AT 2 |
| 8451 / 8169 | DEF AT cement | DEF AT 2 |
| 8690 / 8363 | POS AT Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i> | DEF IN 3 |
| 8750 / 8412 | DEF AT faunal change (no faunal increase) | DEF IN 2 |
| 9140 / 8731 | DEF AT Upper Pliocene (Gelasian) <i>Bolivina impercata</i> / "P" | POS IN 2 |
| 9320 / 8874 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 9349 / 8897 | DEF AT limestone | DEF IN 4 |
| 9350 / 8897 | POS AT Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i> | DEF IN 4 |
| 9400 / 8937 | POS AT Upper Pliocene (Piacenzian) <i>Ceratobulimina pacifica</i> | DEF IN 4 |
| 9720 / 9190 | POS AT Upper Pliocene (Piacenzian) <i>Globorotalia multicamerata</i> | DEF AT 4 |
| 9750 / 9214 | DEF AT Upper Pliocene (Piacenzian) <i>Saracenaria</i> "H" | DEF IN 4 |
| 10020 / 9429 | DEF AT Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i> | DEF IN 4 |
| 10110 / 9500 | DEF AT Upper Pliocene (Piacenzian) <i>Cyclammina</i> sp. | DEF IN 4 |
| 10180 / 9555 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10479 / 9790 | POS AT reworked material | DEF AT 4 |
| 10480 / 9790 | POS AT Upper Pliocene (Piacenzian) <i>Sphaeroidinellopsis seminulina</i> | DEF AT 4 |
| 10589 / 9877 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: HI A 589 | Date of Summary: 25-FEB-1999 | First Sample Examined: 8450 |
| Lease Number: G17204 | Source of Paleo: OPERATOR | Borehole MD: 10610 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9893 |
| API Well Number: 427094105601 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 8450 - 10589 | Water Depth: 478 |
| Public Info Code: Y 28-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 8450 / 8168 | DEF AT first sample examined | DEF AT 4 |
| 8750 / 8412 | POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT 3 |
| 9350 / 8897 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 4 |
| 10020 / 9429 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10120 / 9508 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 4 |
| 10589 / 9877 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: HI A 589 | Date of Summary: 01-NOV-1998 | First Sample Examined: 10500 |
| Lease Number: G17204 | Source of Paleo: OPERATOR | Borehole MD: 10999 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 10210 |
| API Well Number: 427094105602 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 10500 - 11044 | Water Depth: 478 |
| Public Info Code: Y 28-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10500 / 9828 | DEF AT first sample examined | POS AT 4 |
| 10530 / 9852 | DEF AT sample gap top | POS AT 4 |
| 10559 / 9874 | DEF AT sample gap bottom | POS AT 4 |
| 10560 / 9875 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | POS AT 4 |
| 10950 / 10180 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 4 |
| 11044 / | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: HI A 589 | Date of Summary: 25-FEB-1999 | First Sample Examined: 10500 |
| Lease Number: G17204 | Source of Paleo: OPERATOR | Borehole MD: 10999 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10210 |
| API Well Number: 427094105602 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 10500 - 11044 | Water Depth: 478 |
| Public Info Code: Y 28-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10500 / 9828 | DEF AT first sample examined | DEF AT 4 |
| 10950 / 10180 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10951 / 10181 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 10960 / 10188 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 11044 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 593 | Date of Summary: 07-FEB-1991 | First Sample Examined: 3000 |
| Lease Number: G11397 | Source of Paleo: OPERATOR | Borehole MD: 8770 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8000 |
| API Well Number: 427094093800 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 8770 | Water Depth: 407 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3000 / 3000 | DEF AT first sample examined | DEF IN 5 |
| 4860 / 4827 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 8770 / 8003 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: HI A 596 | Date of Summary: 20-FEB-1986 | First Sample Examined: 0 |
| Lease Number: G02722 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13774 |
| Well Name: E001 | Paleo Done By: OPERATOR | Borehole TVD: 13284 |
| API Well Number: 427094084600 | Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME | Rkb Elevation: 137 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 350 |
| Public Info Code: Y 06-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11640 / 11405 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: KC 255 | Date of Summary: 25-SEP-1991 | First Sample Examined: 7520 |
| Lease Number: G11643 | Source of Paleo: OPERATOR | Borehole MD: 21550 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 21550 |
| API Well Number: 608084000100 | Drilling Operator: BP OIL CORPORATION | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 7520 - 21550 | Water Depth: 5834 |
| Public Info Code: Y 29-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7520 / 7520 | DEF AT first sample examined | DEF AT 4 |
| 7910 / 7910 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 9650 / 9650 | DEF AT - - - - - | DEF AT 4 |
| 9830 / 9830 | DEF AT - - - - - | DEF AT 5 |
| 10580 / 10580 | DEF AT - - - - - | DEF IN 4 |
| 11150 / 11150 | DEF AT - - - - - | DEF AT 5 |
| 11821 / 11821 | DEF AT sample gap top | POS AT 5 |
| 12769 / 12769 | DEF AT sample gap bottom | POS AT 5 |
| 12770 / 12770 | DEF AT poor sample interval top | POS AT 5 |
| 13189 / 13189 | DEF AT poor sample interval bottom | DEF IN 5 |
| 13190 / 13190 | POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 5 |
| 13940 / 13940 | DEF AT - - - - - | DEF AT 5 |
| 14720 / 14720 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 15980 / 15980 | DEF AT - - - - - | DEF IN 5 |
| 16040 / 16040 | DEF AT - - - - - | DEF AT 5 |
| 18890 / 18888 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 19070 / 19068 | DEF AT - - - - - | DEF AT 6 |
| 19700 / 19698 | DEF AT - - - - - | DEF IN 5 |
| 20420 / 20417 | DEF AT - - - - - | DEF AT 5 |
| 20480 / 20477 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 20870 / 20867 | DEF AT - - - - - | DEF IN 5 |
| 21472 / 21469 | DEF AT - - - - - | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: KC 255 | Date of Summary: 25-SEP-1991 | First Sample Examined: 7520 |
| Lease Number: G11643 | Source of Paleo: OPERATOR | Borehole MD: 21550 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 21550 |
| API Well Number: 608084000100 | Drilling Operator: BP OIL CORPORATION | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 7520 - 21550 | Water Depth: 5834 |
| Public Info Code: Y 29-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 21550 / 21547 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 20 | Date of Summary: 22-MAY-1985 | First Sample Examined: 3730 |
| Lease Number: G04935 | Source of Paleo: OPERATOR | Borehole MD: 9876 |
| Well Name: A005 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 9436 |
| API Well Number: 608174023800 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 3670 - 9880 | Water Depth: 479 |
| Public Info Code: Y 10-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3670 / 3506 | DEF AT first sample examined | POS AT 5 |
| 3730 / 3558 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 5 |
| 3731 / 3558 | DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis | DEF AT 5 |
| 3910 / 3714 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 3940 / 3740 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 4270 / 4029 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 5 |
| 4300 / 4055 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 4420 / 4161 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 4 |
| 4570 / 4293 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 6640 / 6215 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 6850 / 6424 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 7030 / 6604 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 7300 / 6874 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 9250 / 8823 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 5 |
| 9880 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 27 | Date of Summary: 01-JAN-1989 | First Sample Examined: 2620 |
| Lease Number: G07923 | Source of Paleo: OPERATOR | Borehole MD: 6700 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6700 |
| API Well Number: 608174034700 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 2620 - 6700 | Water Depth: 1400 |
| Public Info Code: Y 18-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2620 / 2620 | DEF AT first sample examined | DEF AT 4 |
| 2621 / 2621 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 4 |
| 2680 / 2680 | POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 2800 / 2800 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 2890 / 2890 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 3040 / 3040 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 3340 / 3340 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | POS AT 4 |
| 3700 / 3700 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | POS AT 4 |
| 3820 / 3820 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF IN 3 |
| 4150 / 4150 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF IN 3 |
| 4480 / 4480 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | POS AT 4 |
| 4660 / 4660 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 4750 / 4750 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 4810 / 4810 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 5080 / 5080 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF IN 3 |
| 5230 / 5230 | DEF AT sample gap top | POS AT 3 |
| 5289 / 5289 | DEF AT sample gap bottom | DEF IN 3 |
| 5290 / 5290 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 5470 / 5470 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 5770 / 5770 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5920 / 5920 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 6100 / 6100 | DEF AT Pliocene Discoaster 1 | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 27 | Date of Summary: 01-JAN-1989 | First Sample Examined: 2620 |
| Lease Number: G07923 | Source of Paleo: OPERATOR | Borehole MD: 6700 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6700 |
| API Well Number: 608174034700 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 2620 - 6700 | Water Depth: 1400 |
| Public Info Code: Y 18-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6130 / 6130 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 4 |
| 6160 / 6160 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT 4 |
| 6400 / 6400 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 6580 / 6580 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | POS AT 4 |
| 6640 / 6640 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 6670 / 6670 | DEF AT faunal change (no faunal increase) | POS AT 5 |
| 6700 / 6700 | DEF AT last sample examined | POS AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 27 | Date of Summary: 26-JAN-1989 | First Sample Examined: 3800 |
| Lease Number: G07923 | Source of Paleo: OPERATOR | Borehole MD: 7442 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6580 |
| API Well Number: 608174034701 | Drilling Operator: STANDARD OIL COMPANY OF TEXAS | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 2 | Sample Range: 3800 - 7700 | Water Depth: 1403 |
| Public Info Code: Y 24-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3800 / 3800 | DEF AT first sample examined | DEF AT |
| 3801 / 3801 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 4280 / 4267 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 4700 / 4660 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 7130 / 6375 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 7700 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 27 | Date of Summary: 01-NOV-1989 | First Sample Examined: 3800 |
| Lease Number: G07923 | Source of Paleo: OPERATOR | Borehole MD: 7442 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6580 |
| API Well Number: 608174034701 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 73 |
| Paleo Report Num: 2 of 2 | Sample Range: 3800 - 7700 | Water Depth: 1403 |
| Public Info Code: Y 24-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 1 report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3800 / 3800 | DEF AT first sample examined | DEF AT 3 |
| 3801 / 3801 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 4070 / 4066 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 4280 / 4267 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF IN 3 |
| 4370 / 4352 | DEF AT faunal change (no faunal increase) | POS AT 3 |
| 4430 / 4409 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 4700 / 4660 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF IN 3 |
| 5960 / 5613 | DEF AT sample gap top | POS IN 3 |
| 6500 / 5966 | DEF AT sample gap bottom | DEF AT 4 |
| 7130 / 6375 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 4 |
| 7700 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 28 | Date of Summary: 26-JUL-1989 | First Sample Examined: 3580 |
| Lease Number: G09771 | Source of Paleo: OPERATOR | Borehole MD: 10779 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10779 |
| API Well Number: 608174035800 | Drilling Operator: BP OIL CORPORATION | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 3580 - 10780 | Water Depth: 1830 |
| Public Info Code: Y 13-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3580 / 3580 | DEF AT first sample examined | DEF AT 4 |
| 3581 / 3581 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 3730 / 3730 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 4360 / 4360 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 4900 / 4900 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 4960 / 4960 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 5140 / 5140 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 5980 / 5980 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT 4 |
| 6310 / 6310 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 6340 / 6340 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 5 |
| 6490 / 6490 | DEF AT faunal change (no faunal increase) | POS AT 5 |
| 6580 / 6580 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 6760 / 6760 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT 5 |
| 6820 / 6820 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 5 |
| 8560 / 8560 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT 4 |
| 8680 / 8680 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 9370 / 9370 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 9820 / 9820 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 4 |
| 10780 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 28 | Date of Summary: 11-DEC-1989 | First Sample Examined: 3200 |
| Lease Number: G09771 | Source of Paleo: OPERATOR | Borehole MD: 11348 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 10206 |
| API Well Number: 608174036800 | Drilling Operator: BP OIL CORPORATION | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 3200 - 11300 | Water Depth: 1494 |
| Public Info Code: Y 27-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3200 / | DEF AT first sample examined | POS AT 3 |
| 3201 / | DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus | POS AT 3 |
| 3290 / | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 3 |
| 4190 / | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 3 |
| 4400 / | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 3 |
| 4610 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 4730 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 4820 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 4940 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 4970 / | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 5060 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5930 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 5990 / | DEF AT floral flood | DEF AT 4 |
| 6170 / | DEF AT Upper Miocene (Messinian) Discoaster quinquedentatus | DEF AT 4 |
| 6350 / | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 4 |
| 6410 / | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT 4 |
| 9620 / | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 4 |
| 10520 / | POS AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT 4 |
| 10580 / | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT 4 |
| 10880 / | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT 4 |
| 10939 / | DEF AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT 4 |
| 10940 / | POS AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 28 | Date of Summary: 11-DEC-1989 | First Sample Examined: 3200 |
| Lease Number: G09771 | Source of Paleo: OPERATOR | Borehole MD: 11348 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 10206 |
| API Well Number: 608174036800 | Drilling Operator: BP OIL CORPORATION | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 3200 - 11300 | Water Depth: 1494 |
| Public Info Code: Y 27-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11059 / | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 4 |
| 11060 / | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius | DEF AT 4 |
| 11180 / | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT 4 |
| 11210 / | DEF IN Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 11300 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: MC 65 | Date of Summary: 01-DEC-1993 | First Sample Examined: 0 |
| Lease Number: G12151 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13511 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10891 |
| API Well Number: 608174045900 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 706 |
| Public Info Code: Y 04-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4090 / 4090 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 4180 / 4180 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 5440 / 5440 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 8544 / 7979 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 9700 / 8689 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: MC 65 | Date of Summary: 04-SEP-1996 | First Sample Examined: 0 |
| Lease Number: G12151 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11872 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10576 |
| API Well Number: 608174051100 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 705 |
| Public Info Code: Y 04-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9680 / 8917 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 79 | Date of Summary: 01-AUG-1996 | First Sample Examined: 5900 |
| Lease Number: G09776 | Source of Paleo: OPERATOR | Borehole MD: 15250 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 15236 |
| API Well Number: 608174053900 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 5900 - 15250 | Water Depth: 3849 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Consultant-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5900 / 5900 | DEF AT first sample examined | DEF AT |
| 5959 / 5959 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme) | DEF AT |
| 5960 / 5960 | DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme) | DEF AT |
| 6800 / 6800 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT |
| 6830 / 6830 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |
| 6859 / 6859 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT |
| 6860 / 6860 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 6950 / 6950 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 7310 / 7310 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 7369 / 7369 | DEF AT Lower Pliocene (Zanclian) Ceratolithus armatus | DEF AT |
| 7370 / 7370 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 7400 / 7400 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 7549 / 7549 | DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme) | DEF AT |
| 7550 / 7550 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |
| 7670 / 7670 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 7730 / 7730 | DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus | DEF AT |
| 7789 / 7789 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase) | DEF AT |
| 7790 / 7790 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 7910 / 7910 | DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT |
| 7970 / 7970 | DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria | DEF AT |
| 8330 / 8330 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 8809 / 8809 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 79 | Date of Summary: 01-AUG-1996 | First Sample Examined: 5900 |
| Lease Number: G09776 | Source of Paleo: OPERATOR | Borehole MD: 15250 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 15236 |
| API Well Number: 608174053900 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 5900 - 15250 | Water Depth: 3849 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 8810 / 8810 | DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left) | DEF AT |
| 8930 / 8930 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 9379 / 9379 | DEF AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT |
| 9380 / 9380 | DEF AT Upper Miocene (Tortonian) Discoaster calcaris | DEF AT |
| 10700 / 10699 | DEF AT Arenaceous fauna (local marker) | DEF AT |
| 10728 / 10727 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT |
| 10729 / 10728 | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT |
| 10730 / 10729 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 11000 / 10999 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 11060 / 11059 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase) | DEF AT |
| 11478 / 11477 | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT |
| 11479 / 11478 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT |
| 11480 / 11479 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT |
| 11510 / 11509 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 11630 / 11629 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT |
| 12050 / 12049 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 12380 / 12379 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 12410 / 12409 | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT |
| 12470 / 12469 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large) | DEF AT |
| 12590 / 12589 | DEF AT Arenaceous fauna (local marker) | DEF AT |
| 13160 / 13159 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 13250 / 13249 | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 13310 / 13309 | DEF AT Upper Miocene (Tortonian) Discoaster deflandrei | DEF AT |
| 13610 / 13609 | DEF AT Middle Miocene (Serravallian) Discoaster kugleri | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 79 | Date of Summary: 01-AUG-1996 | First Sample Examined: 5900 |
| Lease Number: G09776 | Source of Paleo: OPERATOR | Borehole MD: 15250 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 15236 |
| API Well Number: 608174053900 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 5900 - 15250 | Water Depth: 3849 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13940 / 13938 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |
| 14000 / 13998 | DEF AT ash | DEF AT |
| 14810 / 14802 | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT |
| 15050 / 15039 | DEF AT Arenaceous fauna (local marker) | DEF AT |
| 15169 / 15156 | DEF AT foram flood | DEF AT |
| 15170 / 15157 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT |
| 15250 / 15236 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 108 | Date of Summary: 29-AUG-1989 | First Sample Examined: 6020 |
| Lease Number: G09777 | Source of Paleo: OPERATOR | Borehole MD: 10750 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10202 |
| API Well Number: 608174035600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 2 | Sample Range: 5450 - 10760 | Water Depth: 915 |
| Public Info Code: Y 31-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Amberjack Prospect

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5450 / 5449 | DEF AT first sample examined | POS AT 2 |
| 7400 / 7257 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 2 |
| 9020 / 8659 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 3 |
| 10430 / 9916 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 10760 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 108 | Date of Summary: 29-AUG-1989 | First Sample Examined: 6020 |
| Lease Number: G09777 | Source of Paleo: OPERATOR | Borehole MD: 10750 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10202 |
| API Well Number: 608174035600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 73 |
| Paleo Report Num: 2 of 2 | Sample Range: 5450 - 10760 | Water Depth: 915 |
| Public Info Code: Y 31-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Amberjack Prospect

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5450 / 5449 | DEF AT first sample examined | POS AT 2 |
| 7400 / 7257 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 2 |
| 8990 / 8632 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 2 |
| 10760 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 109 | Date of Summary: 03-NOV-1989 | First Sample Examined: 2170 |
| Lease Number: G05825 | Source of Paleo: OPERATOR | Borehole MD: 11082 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11082 |
| API Well Number: 608174021100 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 2170 - 11080 | Water Depth: 1104 |
| Public Info Code: Y 19-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Amberjack Prospect

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2170 / 2170 | DEF AT first sample examined | POS AT 4 |
| 2171 / 2171 | DEF AT cement | POS AT 4 |
| 2470 / 2470 | DEF AT - - - - | DEF AT 4 |
| 2680 / 2680 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 2950 / 2950 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT 4 |
| 3610 / 3610 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 3820 / 3820 | DEF AT - - - - | DEF AT 5 |
| 3879 / 3879 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 5 |
| 3880 / 3880 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 5 |
| 3909 / 3909 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 5 |
| 3910 / 3910 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 4210 / 4210 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 5 |
| 4270 / 4270 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT 4 |
| 4449 / 4449 | POS AT reworked material | DEF AT 4 |
| 4450 / 4450 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 4600 / 4600 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 4 |
| 5350 / 5349 | DEF AT cement | POS AT 4 |
| 5440 / 5439 | DEF AT - - - - | DEF AT 3 |
| 5799 / 5798 | DEF AT reworked material | DEF AT 3 |
| 5800 / 5799 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 3 |
| 6070 / 6069 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 3 |
| 6160 / 6159 | DEF AT cement | POS AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 109 | Date of Summary: 03-NOV-1989 | First Sample Examined: 2170 |
| Lease Number: G05825 | Source of Paleo: OPERATOR | Borehole MD: 11082 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11082 |
| API Well Number: 608174021100 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 2170 - 11080 | Water Depth: 1104 |
| Public Info Code: Y 19-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 6280 / 6279 | DEF AT - - - - - | DEF AT 3 |
| 6580 / 6579 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 3 |
| 7570 / 7568 | DEF AT - - - - - | DEF AT 4 |
| 7690 / 7688 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT 4 |
| 8109 / | POS AT unconformity | DEF AT 4 |
| 8110 / | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 4 |
| 8590 / | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 8830 / | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 10060 / | DEF AT - - - - - | DEF AT 5 |
| 10420 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 5 |
| 11080 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 109 | Date of Summary: 01-NOV-1988 | First Sample Examined: 2500 |
| Lease Number: G05825 | Source of Paleo: OPERATOR | Borehole MD: 12480 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12474 |
| API Well Number: 608174029300 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 2 | Sample Range: 2500 - 12480 | Water Depth: 1205 |
| Public Info Code: Y 29-APR-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Amberjack Prospect

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2500 / 2500 | DEF AT first sample examined | DEF AT 2 |
| 2590 / 2590 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 2710 / 2710 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 2860 / 2860 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 3340 / 3340 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 3490 / 3490 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 3790 / 3790 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 3820 / 3820 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 4 |
| 3850 / 3850 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 4000 / 4000 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 4480 / 4480 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 4810 / 4810 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5770 / 5770 | DEF AT sample gap top | POS AT 3 |
| 5830 / 5830 | DEF AT sample gap bottom | DEF AT 3 |
| 6460 / 6460 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 6850 / 6850 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 7030 / 7030 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 8440 / 8440 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 3 |
| 8560 / 8560 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 9190 / 9190 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9610 / 9610 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12480 / 12480 | DEF AT last sample examined | POS AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 109 | Date of Summary: 03-NOV-1989 | First Sample Examined: 2890 |
| Lease Number: G05825 | Source of Paleo: OPERATOR | Borehole MD: 12480 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12474 |
| API Well Number: 608174029300 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 75 |
| Paleo Report Num: 2 of 2 | Sample Range: 2710 - 12480 | Water Depth: 1205 |
| Public Info Code: Y 29-APR-1997 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Amberjack Prospect, calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 2890 / 2890 | DEF AT first sample examined | DEF AT |
| 2891 / 2891 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 2892 / 2892 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 3759 / 3759 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 3760 / 3760 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 3820 / 3820 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 4359 / 4359 | POS AT reworked material | DEF AT |
| 4360 / 4360 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 5230 / 5230 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 6490 / 6490 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 7660 / 7660 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 8560 / 8560 | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 8830 / 8830 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 10750 / 10750 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |
| 10960 / 10960 | DEF AT Upper Miocene (Tortonian) Discoaster challengerii (updip) | DEF AT |
| 11200 / 11200 | DEF AT Upper Miocene (Tortonian) Discoaster calcaris | DEF AT |
| 12190 / 12190 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 12480 / 12480 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 109 | Date of Summary: 11-APR-1989 | First Sample Examined: 2330 |
| Lease Number: G05825 | Source of Paleo: OPERATOR | Borehole MD: 7475 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 7475 |
| API Well Number: 608174035200 | Drilling Operator: BP OIL CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 2330 - 7475 | Water Depth: 980 |
| Public Info Code: Y 13-MAR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 2330 / 2330 | DEF AT first sample examined | DEF AT 3 |
| 2780 / 2780 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 3 |
| 2900 / 2900 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 3440 / 3440 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 4070 / 4070 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 4 |
| 4100 / 4100 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 4 |
| 4160 / 4160 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 4 |
| 4190 / 4190 | POS AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT 4 |
| 4640 / 4640 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 4820 / 4820 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5090 / 5090 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 5150 / 5150 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 5240 / 5240 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 7475 / 7475 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 162 | Date of Summary: 12-DEC-1994 | First Sample Examined: 5518 |
| Lease Number: G07926 | Source of Paleo: OPERATOR | Borehole MD: 16480 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16480 |
| API Well Number: 608174049800 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 5518 - 16480 | Water Depth: 3425 |
| Public Info Code: Y 30-DEC-1997 | Ecozone Eq MMS: N | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5518 / 5518 | DEF AT first sample examined | DEF AT |
| 5580 / 5580 | DEF AT - - - - - | DEF AT 6 |
| 5820 / 5820 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 6 |
| 6899 / 6899 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 6 |
| 6900 / 6900 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 6960 / 6960 | DEF AT - - - - - | DEF IN 6 |
| 7890 / 7888 | DEF AT cement | POS IN 6 |
| 8220 / 8217 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 9870 / 9867 | POS IN Upper Miocene (Tortonian) Robulus "E" | DEF AT 5 |
| 11400 / 11395 | DEF AT - - - - - | DEF IN 5 |
| 12000 / 11994 | DEF IN Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF IN 5 |
| 14160 / 14153 | POS AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF IN 5 |
| 14369 / 14362 | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF IN 5 |
| 14370 / 14363 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF IN 5 |
| 15240 / 15233 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF IN 5 |
| 15300 / 15293 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF IN 5 |
| 15540 / 15533 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF IN 5 |
| 16409 / 16402 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF IN 5 |
| 16410 / 16403 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF IN 5 |
| 16470 / 16463 | DEF AT last sample examined | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 162 | Date of Summary: 12-DEC-1994 | First Sample Examined: 5518 |
| Lease Number: G07926 | Source of Paleo: OPERATOR | Borehole MD: 16480 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16480 |
| API Well Number: 608174049800 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 5518 - 16480 | Water Depth: 3425 |
| Public Info Code: Y 30-DEC-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5518 / 5518 | DEF AT first sample examined | DEF AT |
| 5519 / 5519 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 5820 / 5820 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 7290 / 7289 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 8310 / 8307 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 8430 / 8427 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?) | DEF AT |
| 9870 / 9867 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 10560 / 10556 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 11550 / 11545 | DEF AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT |
| 12000 / 11994 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 12030 / 12024 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 12060 / 12054 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT |
| 12930 / 12924 | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT |
| 13110 / 13104 | DEF AT Upper Miocene (Tortonian) Discoaster exilis | DEF AT |
| 13710 / 13704 | POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus | DEF AT |
| 15090 / 15083 | DEF AT Middle Miocene (Serravallian) Discoaster kugleri | DEF AT |
| 15750 / 15743 | DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme) | DEF AT |
| 15990 / 15983 | POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus | DEF AT |
| 16480 / 16473 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MC 191 | Date of Summary: 02-JAN-1994 | First Sample Examined: 0 |
| Lease Number: G10979 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17496 |
| API Well Number: 608174046100 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 524 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10030 / 10029 | POS AT Upper Pliocene | DEF AT |
| 10930 / 10929 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 11680 / 11679 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 11710 / 11709 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 12760 / 12758 | POS AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: MC 211 | Date of Summary: 11-MAR-1997 | First Sample Examined: 10120 |
| Lease Number: G10981 | Source of Paleo: OPERATOR | Borehole MD: 17234 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14981 |
| API Well Number: 608174056901 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 10120 - 17234 | Water Depth: 4270 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Mickey 2 Prospect, calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 10120 / 9463 | DEF AT first sample examined | DEF AT |
| 10121 / 9464 | DEF AT out-of-place section | DEF AT |
| 10750 / 9955 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 10990 / 10150 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |
| 11170 / 10298 | DEF AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT |
| 11650 / 10696 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 13210 / 11924 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 13690 / 12262 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT |
| 14530 / 12856 | DEF IN Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local) | DEF AT |
| 15130 / 13306 | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT |
| 15730 / 13768 | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 15880 / 13886 | DEF AT Upper Miocene (Tortonian) Discoaster deflandrei | DEF AT |
| 16870 / 14681 | DEF AT Middle Miocene (Serravallian) Discoaster kugleri | DEF AT |
| 17234 / 14981 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: MC 211 | Date of Summary: 03-NOV-1987 | First Sample Examined: 17235 |
| Lease Number: G10981 | Source of Paleo: OPERATOR | Borehole MD: 18259 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15870 |
| API Well Number: 608174056902 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 17235 - 18259 | Water Depth: 4270 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 17235 / 14988 | DEF AT first sample examined | DEF AT |
| 17350 / 15088 | DEF AT Middle Miocene (Serravallian) Discoaster musicus | DEF AT |
| 18259 / 15870 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 243 | Date of Summary: 11-SEP-1990 | First Sample Examined: 5000 |
| Lease Number: G07927 | Source of Paleo: OPERATOR | Borehole MD: 12751 |
| Well Name: 001 | Paleo Done By: DAVID D. REIMERS | Borehole TVD: 12745 |
| API Well Number: 608174038200 | Drilling Operator: CONOCO INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 4 | Sample Range: 5000 - 12750 | Water Depth: 2900 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5000 / 5000 | DEF AT first sample examined | DEF AT |
| 5001 / 5001 | POS IN Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood) | DEF AT |
| 5030 / 5030 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 5060 / 5060 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 5090 / 5090 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 5180 / 5180 | DEF AT local marker floral decrease | DEF AT |
| 5480 / 5480 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 5510 / 5510 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 5570 / 5570 | DEF AT local marker floral decrease | DEF AT |
| 6740 / 6740 | POS AT local marker floral increase | DEF AT |
| 6770 / 6770 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 7550 / 7550 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 8210 / 8210 | DEF AT local marker floral decrease | DEF AT |
| 11630 / 11628 | DEF AT local marker floral increase | DEF AT |
| 12170 / 12166 | DEF AT local marker floral decrease | DEF AT |
| 12750 / 12745 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 243 | Date of Summary: 28-SEP-1990 | First Sample Examined: 5000 |
| Lease Number: G07927 | Source of Paleo: OPERATOR | Borehole MD: 12751 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 12745 |
| API Well Number: 608174038200 | Drilling Operator: CONOCO INC | Rkb Elevation: 87 |
| Paleo Report Num: 2 of 4 | Sample Range: 5000 - 12750 | Water Depth: 2900 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5000 / 5000 | DEF AT first sample examined | DEF AT |
| 5120 / 5120 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 5330 / 5330 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 5450 / 5450 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 9560 / 9560 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 10400 / 10400 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 11720 / 11718 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 12750 / 12745 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 243 | Date of Summary: 01-NOV-1999 | First Sample Examined: 5000 |
| Lease Number: G07927 | Source of Paleo: OPERATOR | Borehole MD: 12751 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12745 |
| API Well Number: 608174038200 | Drilling Operator: CONOCO INC | Rkb Elevation: 87 |
| Paleo Report Num: 3 of 4 | Sample Range: 5000 - 12740 | Water Depth: 2900 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 5000 / 5000 | DEF AT first sample examined | DEF AT |
| 5450 / 5450 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 5750 / 5750 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 7640 / 7640 | POS AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme) | DEF AT |
| 8780 / 8780 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 11060 / 11059 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 11990 / 11987 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 12740 / 12735 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 243 | Date of Summary: 08-NOV-1999 | First Sample Examined: 5000 |
| Lease Number: G07927 | Source of Paleo: OPERATOR | Borehole MD: 12751 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12745 |
| API Well Number: 608174038200 | Drilling Operator: CONOCO INC | Rkb Elevation: 87 |
| Paleo Report Num: 4 of 4 | Sample Range: 5000 - 12740 | Water Depth: 2900 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5000 / 5000 | DEF AT first sample examined | DEF AT 4 |
| 5240 / 5240 | POS IN Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 4 |
| 5450 / 5450 | POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF IN 5 |
| 8900 / 8900 | DEF AT - - - - - | DEF AT 5 |
| 10340 / 10340 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 5 |
| 11060 / 11059 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 11570 / 11568 | DEF AT local marker deep water fauna | DEF AT 6 |
| 12080 / 12077 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 12740 / 12735 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 243 | Date of Summary: 05-DEC-1994 | First Sample Examined: 5109 |
| Lease Number: G07927 | Source of Paleo: OPERATOR | Borehole MD: 10200 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10199 |
| API Well Number: 608174049900 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 2 | Sample Range: 5109 - 10200 | Water Depth: 3270 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: N | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 5109 / 5109 | DEF AT first sample examined | DEF AT |
| 5110 / 5110 | DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 5250 / 5250 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 5280 / 5280 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 5310 / 5310 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 5340 / 5340 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 5400 / 5400 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 5430 / 5430 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 5490 / 5490 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 6000 / 6000 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 7230 / 7230 | DEF AT sample gap top | DEF AT |
| 7350 / 7350 | DEF AT sample gap bottom | DEF AT |
| 8310 / 8310 | DEF AT sample gap top | DEF AT |
| 8460 / 8460 | DEF AT sample gap bottom | DEF AT |
| 8580 / 8580 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 10200 / 10199 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 243 | Date of Summary: 05-DEC-1994 | First Sample Examined: 5109 |
| Lease Number: G07927 | Source of Paleo: OPERATOR | Borehole MD: 10200 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10199 |
| API Well Number: 608174049900 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 2 of 2 | Sample Range: 5109 - 10200 | Water Depth: 3270 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 5109 / 5109 | DEF AT first sample examined | POS AT 4 |
| 5110 / 5110 | DEF IN cement | POS AT 4 |
| 5190 / 5190 | DEF AT - - - - | DEF IN 5 |
| 5249 / 5249 | DEF AT sequence boundary | DEF IN 5 |
| 5250 / 5250 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 5340 / 5340 | DEF AT sequence boundary | DEF IN 5 |
| 5399 / 5399 | DEF AT condensed section | DEF IN 5 |
| 5400 / 5400 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 5580 / 5580 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multcamerata | DEF IN 5 |
| 5640 / 5640 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF IN 5 |
| 5970 / 5970 | DEF AT sequence boundary | DEF IN 5 |
| 6390 / 6390 | DEF AT - - - - | DEF AT 4 |
| 7230 / 7230 | DEF AT sample gap top | POS AT 4 |
| 7350 / 7350 | DEF AT sample gap bottom | DEF AT 4 |
| 8340 / 8340 | DEF AT sample gap top | POS AT 4 |
| 8460 / 8460 | DEF AT sample gap bottom | DEF AT 4 |
| 9270 / 9269 | DEF AT - - - - | DEF AT 5 |
| 9570 / 9569 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 10200 / 10199 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 267 | Date of Summary: 03-MAR-1988 | First Sample Examined: 1800 |
| Lease Number: G03799 | Source of Paleo: OPERATOR | Borehole MD: 7834 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7822 |
| API Well Number: 608174031200 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 1800 - 7810 | Water Depth: 705 |
| Public Info Code: Y 28-NOV-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1800 / | DEF AT first sample examined | DEF IN 2 |
| 2010 / | DEF AT - - - - - | DEF AT 3 |
| 3030 / | DEF AT - - - - - | DEF AT 4 |
| 3180 / | DEF AT - - - - - | DEF AT 5 |
| 3300 / | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 3570 / | DEF AT sample gap top | POS AT 5 |
| 3810 / | DEF AT sample gap bottom | DEF AT 4 |
| 4110 / | DEF AT - - - - - | DEF AT 3 |
| 4440 / | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 7180 / | DEF AT - - - - - | DEF AT 4 |
| 7420 / | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 7540 / | DEF AT - - - - - | DEF AT 5 |
| 7690 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7780 / | DEF AT anhydrite | POS AT 5 |
| 7781 / | POS AT salt | POS AT 5 |
| 7810 / | DEF AT last sample examined | POS AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 267 | Date of Summary: 03-MAR-1988 | First Sample Examined: 5650 |
| Lease Number: G03799 | Source of Paleo: OPERATOR | Borehole MD: 13998 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13532 |
| API Well Number: 608174031201 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 4 | Sample Range: 5650 - 12625 | Water Depth: 705 |
| Public Info Code: Y 25-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Sidetrack 1 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5650 / 5647 | DEF AT first sample examined | DEF IN 3 |
| 7571 / 7564 | DEF AT - - - - - | POS AT 5 |
| 7750 / 7743 | DEF AT - - - - - | DEF AT 4 |
| 8200 / 8193 | DEF AT - - - - - | DEF AT 5 |
| 8230 / 8223 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 8380 / 8372 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 12625 / 12322 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: MC 267 | Date of Summary: 03-MAR-1988 | First Sample Examined: 12165 |
| Lease Number: G03799 | Source of Paleo: OPERATOR | Borehole MD: 13998 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13532 |
| API Well Number: 608174031201 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 4 | Sample Range: 12165 - 12670 | Water Depth: 705 |
| Public Info Code: Y 25-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 2 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 12165 / 11906 | DEF AT first sample examined | DEF AT 5 |
| 12670 / 12363 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: MC 267 | Date of Summary: 03-MAR-1988 | First Sample Examined: 12130 |
| Lease Number: G03799 | Source of Paleo: OPERATOR | Borehole MD: 13998 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13532 |
| API Well Number: 608174031201 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 3 of 4 | Sample Range: 12130 - 12550 | Water Depth: 705 |
| Public Info Code: Y 25-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 3 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12130 / 11874 | DEF AT first sample examined | DEF AT 5 |
| 12550 / 12255 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 12670 / 12363 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: MC 267 | Date of Summary: 03-MAR-1988 | First Sample Examined: 12201 |
| Lease Number: G03799 | Source of Paleo: OPERATOR | Borehole MD: 13998 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13532 |
| API Well Number: 608174031201 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 72 |
| Paleo Report Num: 4 of 4 | Sample Range: 12201 - 13990 | Water Depth: 705 |
| Public Info Code: Y 25-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 004 |

Remark: Sidetrack 4 report, 12730=Siphogenerina lamellata

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12201 / 11940 | DEF AT first sample examined | DEF AT 5 |
| 12580 / 12282 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 12730 / 12416 | DEF AT local marker benthic foram increase | DEF AT 5 |
| 12850 / 12523 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 13990 / 13525 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 291 | Date of Summary: 27-OCT-1997 | First Sample Examined: 6010 |
| Lease Number: G08805 | Source of Paleo: OPERATOR | Borehole MD: 19470 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19428 |
| API Well Number: 608174057600 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 2 | Sample Range: 6010 - 19450 | Water Depth: 3634 |
| Public Info Code: Y 01-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report, from 6010 to 9310, an erratic Miocene section moved in on top of younger Pliocene beds

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6010 / 6008 | DEF AT first sample examined | DEF AT |
| 6011 / 6009 | DEF IN Upper Miocene (Tortonian) Catinaster coalitus | DEF AT |
| 6070 / 6068 | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 6490 / 6488 | DEF IN Upper Miocene (Tortonian) Discoaster deflandrei | DEF AT |
| 6850 / 6848 | DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis | DEF AT |
| 7690 / 7688 | DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta | DEF AT |
| 7780 / 7778 | DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus | DEF AT |
| 8800 / 8798 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT |
| 9310 / 9308 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 10390 / 10388 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 10500 / 10498 | DEF AT Lower Pliocene (Zanclian) Discoaster surculus (acme) | DEF AT |
| 10960 / 10958 | DEF AT Upper Miocene (Messinian) Discoaster quinquaramus | DEF AT |
| 12460 / 12458 | DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C" | DEF AT |
| 12640 / 12638 | DEF AT local marker floral decrease | DEF AT |
| 13000 / 12998 | POS AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 13060 / 13058 | DEF AT local marker floral decrease | DEF AT |
| 13720 / 13718 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 13900 / 13898 | DEF AT local marker floral decrease | DEF AT |
| 14500 / 14498 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 14860 / 14858 | DEF AT local marker floral decrease | DEF AT |
| 15400 / 15397 | DEF IN Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 15700 / 15697 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 291 | Date of Summary: 27-OCT-1997 | First Sample Examined: 6010 |
| Lease Number: G08805 | Source of Paleo: OPERATOR | Borehole MD: 19470 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19428 |
| API Well Number: 608174057600 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 2 | Sample Range: 6010 - 19450 | Water Depth: 3634 |
| Public Info Code: Y 01-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 16120 / 16117 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT |
| 16420 / 16417 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large) | DEF AT |
| 16540 / 16537 | DEF AT local marker floral decrease | DEF AT |
| 17110 / 17107 | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT |
| 17950 / 17946 | POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 18190 / 18184 | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 18520 / 18508 | DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus | DEF AT |
| 18880 / 18858 | DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase) | DEF AT |
| 19060 / 19033 | DEF AT local marker floral decrease | DEF AT |
| 19450 / 19409 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 291 | Date of Summary: 29-OCT-1997 | First Sample Examined: 6010 |
| Lease Number: G08805 | Source of Paleo: OPERATOR | Borehole MD: 19470 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 19428 |
| API Well Number: 608174057600 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 75 |
| Paleo Report Num: 2 of 2 | Sample Range: 6010 - 19500 | Water Depth: 3634 |
| Public Info Code: Y 01-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: From 6010 to 9310, an erratic Miocene section moved in on top of younger Pliocene beds

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6010 / 6008 | DEF AT first sample examined | DEF AT 4 |
| 6011 / 6009 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 6190 / 6188 | DEF AT local marker benthic foram increase | DEF AT 4 |
| 6310 / 6308 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 4 |
| 6340 / 6338 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 4 |
| 6850 / 6848 | DEF AT local marker foram increase | DEF AT 4 |
| 7300 / 7298 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi | DEF AT 4 |
| 7480 / 7478 | POS AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 4 |
| 7990 / 7988 | DEF AT faunal change (no faunal increase) | POS IN 3 |
| 8230 / 8228 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 8320 / 8318 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 8560 / 8558 | DEF AT local marker foram increase | DEF IN 3 |
| 8830 / 8828 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | POS AT 4 |
| 9100 / 9098 | DEF AT local marker foram increase | DEF AT 4 |
| 9310 / 9308 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 9370 / 9368 | POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 4 |
| 9580 / 9578 | DEF AT limestone | DEF AT 4 |
| 9970 / 9968 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 10090 / 10088 | DEF AT local marker foram increase | DEF AT 4 |
| 10120 / 10118 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 4 |
| 10330 / 10328 | DEF AT local marker foram increase | DEF AT 4 |
| 10420 / 10418 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 291 | Date of Summary: 29-OCT-1997 | First Sample Examined: 6010 |
| Lease Number: G08805 | Source of Paleo: OPERATOR | Borehole MD: 19470 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 19428 |
| API Well Number: 608174057600 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 75 |
| Paleo Report Num: 2 of 2 | Sample Range: 6010 - 19500 | Water Depth: 3634 |
| Public Info Code: Y 01-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 10500 / 10498 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10780 / 10778 | DEF AT local marker foram increase | DEF AT 4 |
| 10810 / 10808 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF IN 4 |
| 10930 / 10928 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11110 / 11108 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |
| 11440 / 11438 | DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT 4 |
| 11710 / 11708 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 11800 / 11798 | DEF AT Arenaceous fauna (local marker) | DEF IN 3 |
| 11830 / 11828 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11860 / 11858 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 12040 / 12038 | DEF AT local marker foram increase | POS IN 3 |
| 12070 / 12068 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 12340 / 12338 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 12460 / 12458 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 12700 / 12698 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 12940 / 12938 | DEF AT Arenaceous fauna (local marker) | DEF IN 3 |
| 13000 / 12998 | DEF AT local marker foram increase | DEF IN 3 |
| 13030 / 13028 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 13150 / 13148 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 13780 / 13778 | DEF AT local marker foram increase | DEF IN 3 |
| 14320 / 14318 | DEF AT Bathysiphon fauna | POS AT 4 |
| 14530 / 14528 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 14560 / 14558 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 4 |
| 14620 / 14618 | DEF AT reworked material | DEF IN 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 291 | Date of Summary: 29-OCT-1997 | First Sample Examined: 6010 |
| Lease Number: G08805 | Source of Paleo: OPERATOR | Borehole MD: 19470 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 19428 |
| API Well Number: 608174057600 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 75 |
| Paleo Report Num: 2 of 2 | Sample Range: 6010 - 19500 | Water Depth: 3634 |
| Public Info Code: Y 01-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 14710 / 14708 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 14830 / 14828 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 15010 / 15008 | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF IN 3 |
| 15100 / 15098 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 15130 / 15128 | DEF AT local marker foram increase | DEF AT 3 |
| 15160 / 15158 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 15400 / 15397 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |
| 15580 / 15577 | DEF AT local marker foram increase | DEF IN 3 |
| 15670 / 15667 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF IN 3 |
| 15820 / 15817 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 15910 / 15907 | POS AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT 4 |
| 16030 / 16027 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 16090 / 16087 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT 4 |
| 16120 / 16117 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 16270 / 16267 | DEF AT Arenaceous fauna (local marker) | DEF IN 3 |
| 16450 / 16447 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 4 |
| 16510 / 16507 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 16630 / 16627 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 16660 / 16657 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 16780 / 16777 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 16900 / 16897 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 16960 / 16957 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 17140 / 17137 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 17200 / 17197 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 291 | Date of Summary: 29-OCT-1997 | First Sample Examined: 6010 |
| Lease Number: G08805 | Source of Paleo: OPERATOR | Borehole MD: 19470 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 19428 |
| API Well Number: 608174057600 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 75 |
| Paleo Report Num: 2 of 2 | Sample Range: 6010 - 19500 | Water Depth: 3634 |
| Public Info Code: Y 01-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 17230 / 17227 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 17260 / 17257 | DEF AT local marker foram increase | DEF AT 4 |
| 17530 / 17527 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 17680 / 17676 | DEF AT Arenaceous fauna (local marker) | DEF IN 3 |
| 17710 / 17706 | DEF AT local marker foram increase | DEF AT 4 |
| 17800 / 17796 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 17860 / 17856 | DEF AT local marker foram increase | DEF AT 4 |
| 17920 / 17916 | DEF AT local marker foram increase | DEF AT 4 |
| 18040 / 18035 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 18130 / 18125 | DEF AT Arenaceous fauna (local marker) | DEF IN 3 |
| 18310 / 18302 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 18490 / 18479 | POS AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 18640 / 18625 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 18700 / 18683 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 18730 / 18713 | DEF AT local marker foram increase | DEF AT 4 |
| 18940 / 18917 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 19120 / 19091 | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 19500 / | DEF AT last sample examined | DEF IN 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 300 | Date of Summary: 12-JAN-1997 | First Sample Examined: 8030 |
| Lease Number: G08807 | Source of Paleo: OPERATOR | Borehole MD: 13459 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13458 |
| API Well Number: 608174057200 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 8030 - 13459 | Water Depth: 5844 |
| Public Info Code: Y 05-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: South Mickey Prospect, company-integrated foram and nanno report, based on benthic foraminiferal studies the entire section was deposited in middle bathyal to abyssal paleoenvironments, nannospecies abundance and diversity chart available, see report for details

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 8030 / 8030 | DEF AT first sample examined | DEF AT 5 |
| 8031 / 8031 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 5 |
| 8329 / 8329 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 5 |
| 8330 / 8330 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 8389 / 8389 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 5 |
| 8390 / 8390 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 8570 / 8570 | DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus | DEF AT 5 |
| 8690 / 8690 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT 5 |
| 9109 / 9109 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT 5 |
| 9110 / 9110 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 5 |
| 9920 / 9920 | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT 5 |
| 11390 / 11390 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 5 |
| 12259 / 12259 | DEF AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT 5 |
| 12260 / 12260 | DEF AT Upper Miocene (Tortonian) Discoaster bellus | DEF AT 5 |
| 12439 / 12439 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT 5 |
| 12440 / 12440 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT 5 |
| 12860 / 12860 | POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT 5 |
| 13459 / 13458 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 321 | Date of Summary: 01-OCT-1989 | First Sample Examined: 1710 |
| Lease Number: G06946 | Source of Paleo: OPERATOR | Borehole MD: 8050 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8050 |
| API Well Number: 608174032300 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 1710 - 8040 | Water Depth: 570 |
| Public Info Code: Y 25-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1710 / 1710 | DEF AT first sample examined | DEF AT 3 |
| 2820 / 2820 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 5250 / 5250 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 6240 / 6240 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 5 |
| 7500 / 7500 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7650 / 7650 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 8040 / 8040 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 321 | Date of Summary: 01-OCT-1989 | First Sample Examined: 1723 |
| Lease Number: G06946 | Source of Paleo: OPERATOR | Borehole MD: 16083 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 16073 |
| API Well Number: 608174033800 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 1723 - 12534 | Water Depth: 564 |
| Public Info Code: Y 13-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 1723 / 1723 | DEF AT first sample examined | DEF AT 3 |
| 1845 / 1845 | DEF AT - - - - - | DEF AT 4 |
| 2730 / 2730 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 3930 / 3929 | DEF AT - - - - - | DEF AT 5 |
| 6240 / 6239 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 7500 / 7499 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7650 / 7649 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 7770 / 7769 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 12534 / 12533 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: MC 321 | Date of Summary: 01-OCT-1989 | First Sample Examined: 13376 |
| Lease Number: G06946 | Source of Paleo: OPERATOR | Borehole MD: 16083 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 16073 |
| API Well Number: 608174033800 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 13376 - 16083 | Water Depth: 564 |
| Public Info Code: Y 13-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13376 / 13374 | DEF AT first sample examined | DEF AT |
| 13980 / 13978 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 15660 / 15653 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 16083 / 16076 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 322 | Date of Summary: 07-DEC-1989 | First Sample Examined: 1800 |
| Lease Number: G05835 | Source of Paleo: OPERATOR | Borehole MD: 14970 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13512 |
| API Well Number: 608174021500 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 1800 - 14940 | Water Depth: 677 |
| Public Info Code: Y 12-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1800 / 1800 | DEF AT first sample examined | DEF AT 2 |
| 3030 / 3030 | POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 4260 / 4260 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 4920 / 4920 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 5430 / 5430 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 4 |
| 5610 / 5610 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 6569 / 6546 | DEF AT Upper Pliocene (Gelasian) Globorotalia exilis | DEF AT 4 |
| 6570 / 6547 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 7110 / 7044 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 8730 / 8447 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 9060 / 8704 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 9780 / 9269 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 10260 / 9648 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10530 / 9863 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11100 / 10321 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 11370 / 10538 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 12030 / 11055 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 12750 / 11638 | DEF AT Arenaceous fauna (local marker) | DEF AT 3 |
| 13530 / 12291 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13560 / 12317 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 4 |
| 14970 / 13492 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 357 | Date of Summary: 02-JAN-1992 | First Sample Examined: 5950 |
| Lease Number: G10989 | Source of Paleo: OPERATOR | Borehole MD: 8658 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8049 |
| API Well Number: 608174041401 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 5950 - 8652 | Water Depth: 400 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 5950 / 5859 | DEF AT first sample examined | DEF AT 5 |
| 5951 / 5860 | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 6340 / 6181 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 6400 / 6230 | DEF AT local marker foram decrease | DEF AT 5 |
| 6730 / 6493 | DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 7210 / 6878 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 5 |
| 7240 / 6902 | DEF AT pyrite | DEF AT 5 |
| 7690 / 7260 | DEF AT glauconite | DEF AT 5 |
| 7780 / 7333 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7840 / 7381 | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT 5 |
| 7930 / 7454 | POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 5 |
| 8050 / 7552 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 8380 / 7822 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT 5 |
| 8652 / 8044 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 365 | Date of Summary: 29-SEP-1989 | First Sample Examined: 2680 |
| Lease Number: G05841 | Source of Paleo: OPERATOR | Borehole MD: 10268 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10268 |
| API Well Number: 608174036300 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 2 | Sample Range: 2680 - 10268 | Water Depth: 600 |
| Public Info Code: Y 12-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Consultant-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2680 / 2680 | DEF AT first sample examined | DEF AT |
| 2681 / 2681 | DEF AT cement | DEF AT |
| 3040 / 3040 | POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 3400 / 3400 | DEF AT poor sample interval top | DEF AT 4 |
| 4599 / 4599 | DEF AT poor sample interval bottom | DEF AT 4 |
| 4600 / 4600 | DEF AT - - - - - | DEF AT 2 |
| 5200 / 5200 | DEF AT local marker foram increase | DEF AT 4 |
| 5500 / 5500 | POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 6700 / 6700 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 4 |
| 6730 / 6730 | DEF AT - - - - - | DEF AT 3 |
| 6760 / 6760 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 3 |
| 6910 / 6910 | DEF AT - - - - - | DEF AT 4 |
| 7000 / 7000 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 7060 / 7060 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT 4 |
| 7118 / 7118 | DEF AT glauconite | DEF AT 4 |
| 7119 / 7119 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 4 |
| 7120 / 7120 | POS IN Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 4 |
| 7540 / 7540 | POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 7800 / 7799 | DEF AT - - - - - | DEF AT 3 |
| 8010 / 8009 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 3 |
| 8640 / 8638 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 3 |
| 8850 / 8848 | DEF AT - - - - - | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 365 | Date of Summary: 29-SEP-1989 | First Sample Examined: 2680 |
| Lease Number: G05841 | Source of Paleo: OPERATOR | Borehole MD: 10268 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10268 |
| API Well Number: 608174036300 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 2 | Sample Range: 2680 - 10268 | Water Depth: 600 |
| Public Info Code: Y 12-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9000 / 8998 | DEF AT - - - - - | DEF AT 4 |
| 9540 / 9537 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 4 |
| 10140 / 10135 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 10268 / 10263 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 365 | Date of Summary: 29-SEP-1989 | First Sample Examined: 6520 |
| Lease Number: G05841 | Source of Paleo: OPERATOR | Borehole MD: 10268 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10268 |
| API Well Number: 608174036300 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 68 |
| Paleo Report Num: 2 of 2 | Sample Range: 2680 - 10268 | Water Depth: 600 |
| Public Info Code: Y 12-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6520 / 6520 | DEF AT first sample examined | DEF AT |
| 6700 / 6700 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 6760 / 6760 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 7060 / 7060 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 7120 / 7120 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 8640 / 8638 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 10268 / 10263 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 365 | Date of Summary: 19-DEC-1989 | First Sample Examined: 2700 |
| Lease Number: G05841 | Source of Paleo: OPERATOR | Borehole MD: 6240 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6122 |
| API Well Number: 608174036700 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 1 | Sample Range: 2700 - 6240 | Water Depth: 654 |
| Public Info Code: Y 29-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Consultant-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 2700 / 2700 | DEF AT first sample examined | POS AT 3 |
| 2701 / 2701 | DEF AT cement | POS AT 3 |
| 2790 / 2790 | DEF IN Upper Pleistocene | DEF AT 3 |
| 4650 / 4613 | DEF AT - - - - - | DEF AT 4 |
| 5340 / 5271 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 5602 / 5520 | DEF AT - - - - - | DEF AT 3 |
| 5830 / 5736 | DEF AT - - - - - | DEF AT 4 |
| 5979 / 5876 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 4 |
| 5980 / 5877 | POS IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 5981 / 5878 | DEF AT pyrite | DEF AT 4 |
| 5982 / 5879 | DEF AT glauconite | DEF AT 4 |
| 6130 / 6019 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 6210 / 6094 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 365 | Date of Summary: 01-OCT-1989 | First Sample Examined: 1700 |
| Lease Number: G06946 | Source of Paleo: OPERATOR | Borehole MD: 13510 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11097 |
| API Well Number: 608174023400 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 1700 - 11573 | Water Depth: 637 |
| Public Info Code: Y 14-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 1700 / 1700 | DEF AT first sample examined | DEF AT 3 |
| 2820 / 2820 | DEF AT - - - - - | DEF AT 4 |
| 3720 / 3720 | DEF AT - - - - - | DEF AT 5 |
| 5490 / 5398 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 6330 / 6095 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 5 |
| 6450 / 6182 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 8220 / 7431 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 11160 / 9486 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 11573 / 9781 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 365 | Date of Summary: 01-OCT-1989 | First Sample Examined: 6450 |
| Lease Number: G06946 | Source of Paleo: OPERATOR | Borehole MD: 13510 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11097 |
| API Well Number: 608174023400 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 6450 - 13500 | Water Depth: 637 |
| Public Info Code: Y 14-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6450 / 6182 | DEF AT first sample examined | DEF AT 5 |
| 10440 / 8987 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 13500 / 11095 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 365 | Date of Summary: 08-DEC-1989 | First Sample Examined: 2730 |
| Lease Number: G06946 | Source of Paleo: OPERATOR | Borehole MD: 11920 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9760 |
| API Well Number: 608174037000 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 1 | Sample Range: 2730 - 11890 | Water Depth: 618 |
| Public Info Code: Y 26-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 2730 / 2704 | DEF AT first sample examined | DEF AT 4 |
| 4890 / 4436 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5160 / 4630 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 6329 / 5457 | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 6330 / 5458 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 8008 / 6677 | DEF AT pyrite | DEF AT 4 |
| 8009 / 6677 | DEF AT glauconite | DEF AT 4 |
| 8010 / 6678 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 8248 / 6855 | DEF AT pyrite | DEF AT 4 |
| 8249 / 6856 | DEF AT glauconite | DEF AT 4 |
| 8250 / 6857 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 4 |
| 8309 / 6901 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 8310 / 6902 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 8520 / 7061 | DEF AT sample gap top | DEF AT 4 |
| 9300 / 7658 | DEF AT sample gap bottom | DEF AT 3 |
| 9750 / 8009 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 3 |
| 11890 / 9735 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 383 | Date of Summary: 26-MAR-1999 | First Sample Examined: 7505 |
| Lease Number: G07937 | Source of Paleo: OPERATOR | Borehole MD: 12944 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12944 |
| API Well Number: 608174030400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 7505 - 12944 | Water Depth: 5759 |
| Public Info Code: Y 30-SEP-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 7505 / | DEF AT first sample examined | DEF AT 5 |
| 8040 / | DEF IN Lower Pliocene (Zanclian) Discoaster challengeri | DEF AT 5 |
| 8280 / | DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 8820 / | DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 5 |
| 9300 / | DEF IN Upper Miocene (Messinian) Discoaster berggrenii (variety?) | DEF AT 5 |
| 9600 / | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 5 |
| 10500 / | DEF IN Upper Miocene (Tortonian) Minylitha convallis | DEF AT 5 |
| 11610 / | DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT 5 |
| 12944 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 397 | Date of Summary: 28-AUG-1989 | First Sample Examined: 2700 |
| Lease Number: G04939 | Source of Paleo: OPERATOR | Borehole MD: 13253 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 13250 |
| API Well Number: 608174020800 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 2700 - 13250 | Water Depth: 1389 |
| Public Info Code: Y 08-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 2700 / 2700 | DEF AT first sample examined | DEF AT 4 |
| 2760 / 2760 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 3540 / 3540 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 5250 / 5250 | DEF AT - - - - - | DEF AT 5 |
| 5310 / 5310 | DEF AT - - - - - | DEF AT 6 |
| 6060 / 6060 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 6 |
| 6720 / 6720 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 6 |
| 7980 / 7980 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 6 |
| 8040 / 8040 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 6 |
| 8100 / 8100 | DEF AT - - - - - | DEF AT 5 |
| 8220 / 8220 | DEF AT - - - - - | DEF AT 4 |
| 8460 / 8460 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9300 / 9300 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 11970 / 11970 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 12210 / 12210 | DEF AT - - - - - | DEF AT 5 |
| 12420 / 12420 | DEF AT - - - - - | DEF AT 6 |
| 13250 / 13250 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 400 | Date of Summary: 08-AUG-1985 | First Sample Examined: 5330 |
| Lease Number: G05844 | Source of Paleo: OPERATOR | Borehole MD: 16000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15952 |
| API Well Number: 608174022600 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 5330 - 15970 | Water Depth: 1015 |
| Public Info Code: Y 03-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5330 / 5328 | DEF AT first sample examined | DEF AT |
| 5630 / 5628 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 6550 / 6547 | DEF AT - - - - - | DEF AT 2 |
| 8920 / 8916 | DEF AT - - - - - | DEF AT 1 |
| 9070 / 9066 | DEF AT - - - - - | DEF AT 2 |
| 10480 / 10471 | DEF AT anhydrite | DEF AT |
| 12580 / 12566 | DEF AT salt | DEF AT |
| 14310 / 14288 | DEF AT - - - - - | DEF AT 4 |
| 14430 / 14406 | POS AT Upper (Late) Miocene | DEF AT 5 |
| 15480 / 15439 | DEF AT - - - - - | DEF AT 4 |
| 15970 / 15923 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 401 | Date of Summary: 18-SEP-1989 | First Sample Examined: 4500 |
| Lease Number: G05844 | Source of Paleo: OPERATOR | Borehole MD: 9847 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9000 |
| API Well Number: 608174036102 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 4500 - 9847 | Water Depth: 1372 |
| Public Info Code: Y 05-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4500 / 4500 | DEF AT first sample examined | POS AT 3 |
| 4501 / 4501 | DEF IN cement | POS AT 3 |
| 4920 / 4909 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 3 |
| 5159 / 5126 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 3 |
| 5160 / 5126 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 5730 / 5580 | POS AT anhydrite | DEF AT 3 |
| 6420 / 6131 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 7230 / 6774 | POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 3 |
| 7380 / 6894 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 3 |
| 7470 / 6966 | POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 7590 / 7062 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 9847 / 9003 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 401 | Date of Summary: 18-SEP-1989 | First Sample Examined: 4500 |
| Lease Number: G05844 | Source of Paleo: OPERATOR | Borehole MD: 9847 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9000 |
| API Well Number: 608174036102 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 4500 - 9847 | Water Depth: 1372 |
| Public Info Code: Y 05-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4500 / 4500 | DEF AT first sample examined | DEF AT |
| 4680 / 4679 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 5130 / 5100 | DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 5220 / 5177 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 5310 / 5250 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 6480 / 6178 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7470 / 6966 | POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 9820 / 8977 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 9847 / 9003 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MC 401 | Date of Summary: 24-SEP-1993 | First Sample Examined: 0 |
| Lease Number: G05845 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6450 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 5476 |
| API Well Number: 608174032901 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1367 |
| Public Info Code: Y 24-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 3480 / 3439 | POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 3840 / 3738 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 4770 / 4406 | DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima | DEF AT |
| 4860 / 4469 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 5790 / 5075 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT |
| 5970 / 5181 | DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 401 | Date of Summary: 01-DEC-1988 | First Sample Examined: 3050 |
| Lease Number: G05845 | Source of Paleo: OPERATOR | Borehole MD: 10297 |
| Well Name: 002 | Paleo Done By: EVEREST GEOTECH COMPANY | Borehole TVD: 10289 |
| API Well Number: 608174034600 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 3 | Sample Range: 3050 - 10290 | Water Depth: 1700 |
| Public Info Code: Y 09-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3050 / 3050 | DEF AT first sample examined | DEF AT 4 |
| 3051 / 3051 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 4 |
| 3540 / 3540 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 3869 / 3869 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT 5 |
| 3870 / 3870 | DEF AT Middle Pleistocene (Ionian) Gephyrocapsa omega | DEF AT 5 |
| 4439 / 4439 | DEF AT condensed section | DEF AT 6 |
| 4440 / 4440 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT 6 |
| 4740 / 4740 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 6 |
| 4770 / 4770 | DEF AT condensed section | DEF AT 5 |
| 4890 / 4890 | DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima | DEF AT 5 |
| 4980 / 4980 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 5 |
| 5040 / 5040 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 5190 / 5190 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 5577 / 5577 | DEF AT condensed section | DEF AT 5 |
| 5578 / 5578 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 5 |
| 5579 / 5579 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 5580 / 5580 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 5 |
| 5610 / 5610 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 5730 / 5730 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 5850 / 5850 | DEF AT faunal change (no faunal increase) | DEF AT 6 |
| 5909 / 5909 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT 6 |
| 5910 / 5910 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 401 | Date of Summary: 01-DEC-1988 | First Sample Examined: 3050 |
| Lease Number: G05845 | Source of Paleo: OPERATOR | Borehole MD: 10297 |
| Well Name: 002 | Paleo Done By: EVEREST GEOTECH COMPANY | Borehole TVD: 10289 |
| API Well Number: 608174034600 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 3 | Sample Range: 3050 - 10290 | Water Depth: 1700 |
| Public Info Code: Y 09-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5940 / 5940 | DEF AT faunal change (no faunal increase) | DEF IN 5 |
| 6119 / 6119 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF IN 5 |
| 6120 / 6120 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF IN 5 |
| 6240 / 6240 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 6360 / 6360 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF IN 5 |
| 7500 / 7499 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 5 |
| 7590 / 7589 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF IN 5 |
| 9000 / 8996 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF IN 5 |
| 9120 / 9116 | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF IN 5 |
| 10040 / 10033 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF IN 5 |
| 10079 / 10072 | POS AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF IN 5 |
| 10080 / 10073 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF IN 5 |
| 10140 / 10133 | POS AT Upper Miocene (Messinian) Bolivina denticulata | DEF IN 5 |
| 10290 / 10282 | DEF AT last sample examined | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 401 | Date of Summary: 28-DEC-1990 | First Sample Examined: 2430 |
| Lease Number: G05845 | Source of Paleo: OPERATOR | Borehole MD: 10297 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10289 |
| API Well Number: 608174034600 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 3 | Sample Range: 2430 - 10200 | Water Depth: 1700 |
| Public Info Code: Y 24-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2430 / 2430 | DEF AT first sample examined | DEF IN 4 |
| 2580 / 2580 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF IN 4 |
| 3630 / 3630 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF IN 4 |
| 4710 / 4710 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 4 |
| 4890 / 4890 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 6360 / 6360 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 6420 / 6420 | DEF AT - - - - - | DEF AT 3 |
| 7079 / 7079 | POS AT reworked material | DEF AT 3 |
| 7080 / 7080 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 9600 / 9594 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 10200 / 10193 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 401 | Date of Summary: 03-JAN-1991 | First Sample Examined: 2430 |
| Lease Number: G05845 | Source of Paleo: OPERATOR | Borehole MD: 10297 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10289 |
| API Well Number: 608174034600 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 3 of 3 | Sample Range: 2430 - 10200 | Water Depth: 1700 |
| Public Info Code: Y 24-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 004 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2430 / 2430 | DEF AT first sample examined | DEF AT |
| 3600 / 3600 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 4770 / 4770 | POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 5580 / 5580 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 5940 / 5940 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 6390 / 6390 | POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 7469 / 7468 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 7470 / 7469 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 9090 / 9086 | POS AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 9420 / 9415 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 10110 / 10103 | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 10200 / 10193 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 401 | Date of Summary: 07-AUG-1989 | First Sample Examined: 4500 |
| Lease Number: G05845 | Source of Paleo: OPERATOR | Borehole MD: 7425 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6766 |
| API Well Number: 608174036100 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 4500 - 7410 | Water Depth: 1372 |
| Public Info Code: Y 29-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4500 / 4500 | DEF AT first sample examined | POS AT 3 |
| 4501 / 4501 | DEF IN cement | POS AT 3 |
| 4530 / 4530 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 3 |
| 7350 / 6716 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 7410 / 6756 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|------------------------------------|
| Area Block: MC 401 | Date of Summary: 07-AUG-1989 | First Sample Examined: 4500 |
| Lease Number: G05845 | Source of Paleo: OPERATOR | Borehole MD: 7425 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6766 |
| API Well Number: 608174036100 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 4500 - 7410 | Water Depth: 1372 |
| Public Info Code: Y 29-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 004 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4500 / 4500 | DEF AT first sample examined | DEF AT |
| 4860 / 4858 | DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 5220 / 5200 | DEF AT reworked material | DEF AT |
| 7410 / 6756 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 401 | Date of Summary: 09-AUG-1989 | First Sample Examined: 4530 |
| Lease Number: G05845 | Source of Paleo: OPERATOR | Borehole MD: 6500 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6500 |
| API Well Number: 608174036101 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 4530 - 6503 | Water Depth: 1372 |
| Public Info Code: Y 07-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4530 / | DEF AT first sample examined | DEF IN 2 |
| 5790 / | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF IN 2 |
| 6503 / | DEF AT last sample examined | DEF IN 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|------------------------------------|
| Area Block: MC 401 | Date of Summary: 09-AUG-1989 | First Sample Examined: 4530 |
| Lease Number: G05845 | Source of Paleo: OPERATOR | Borehole MD: 6500 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6500 |
| API Well Number: 608174036101 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 4530 - 6503 | Water Depth: 1372 |
| Public Info Code: Y 07-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4530 / | DEF AT first sample examined | DEF AT |
| 4890 / | POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 6503 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 401 | Date of Summary: 20-OCT-1989 | First Sample Examined: 4833 |
| Lease Number: G05845 | Source of Paleo: OPERATOR | Borehole MD: 8744 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8311 |
| API Well Number: 608174036103 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 4833 - 8750 | Water Depth: 1372 |
| Public Info Code: Y 24-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4833 / 4827 | DEF AT first sample examined | DEF IN 3 |
| 5100 / 5081 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF IN 3 |
| 5250 / 5223 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 3 |
| 5640 / 5582 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 3 |
| 6750 / 6466 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 3 |
| 6930 / 6622 | POS AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF IN 3 |
| 7350 / 7004 | POS AT reworked material | DEF IN 3 |
| 8219 / 7820 | POS AT reworked material | DEF IN 3 |
| 8220 / 7820 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 3 |
| 8750 / | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 401 | Date of Summary: 20-OCT-1989 | First Sample Examined: 4833 |
| Lease Number: G05845 | Source of Paleo: OPERATOR | Borehole MD: 8744 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8311 |
| API Well Number: 608174036103 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 4833 - 8750 | Water Depth: 1372 |
| Public Info Code: Y 24-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4833 / 4827 | DEF AT first sample examined | DEF AT |
| 5010 / 4996 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 5210 / 5185 | DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 6600 / 6342 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7140 / 6811 | POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 7319 / 6976 | POS AT reworked material | DEF AT |
| 7320 / 6977 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 8750 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 442 | Date of Summary: 29-MAR-1986 | First Sample Examined: 2820 |
| Lease Number: G05080 | Source of Paleo: OPERATOR | Borehole MD: 16500 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13450 |
| API Well Number: 608174026500 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 7 | Sample Range: 2820 - 9270 | Water Depth: 1520 |
| Public Info Code: Y 24-MAY-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Consultant-integrated foram and nanno report, 7380=Lower Pleistocene Calcidiscus tropicus

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 2820 / 2820 | DEF AT first sample examined | DEF AT 2 |
| 3480 / 3478 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 2 |
| 5490 / 5315 | DEF AT - - - - - | DEF AT 2 |
| 5880 / 5611 | DEF AT - - - - - | DEF AT 3 |
| 6180 / 5840 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 6870 / 6356 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 3 |
| 7200 / 6598 | DEF AT - - - - - | DEF AT 2 |
| 7380 / 6729 | DEF AT local marker floral increase | DEF AT 2 |
| 8040 / 7206 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 2 |
| 8100 / 7249 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 2 |
| 8160 / 7294 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT 2 |
| 8430 / 7493 | DEF AT - - - - - | DEF AT 3 |
| 8460 / 7515 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 3 |
| 9120 / 7998 | DEF AT - - - - - | DEF AT 2 |
| 9270 / 8107 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 442 | Date of Summary: 26-APR-1986 | First Sample Examined: 9848 |
| Lease Number: G05080 | Source of Paleo: OPERATOR | Borehole MD: 16500 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13450 |
| API Well Number: 608174026500 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 7 | Sample Range: 9848 - 16500 | Water Depth: 1520 |
| Public Info Code: Y 24-MAY-1996 | Ecozone Eq MMS: Y | Paleo ID: 006 |

Remark: Consultant-integrated foram and nanno report for sidetrack 3

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 9848 / 8532 | DEF AT first sample examined | DEF AT 1 |
| 10450 / 8968 | POS AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 3 |
| 10650 / 9109 | DEF AT - - - - - | DEF AT 2 |
| 10780 / 9201 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 2 |
| 12700 / 10617 | DEF AT - - - - - | DEF AT 3 |
| 12880 / 10753 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 3 |
| 12909 / 10775 | DEF AT Bathysiphon fauna | DEF AT 3 |
| 12910 / 10775 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 3 |
| 14590 / 12035 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 14600 / 12043 | DEF AT - - - - - | DEF AT 2 |
| 15800 / 12941 | DEF AT - - - - - | DEF AT 4 |
| 15820 / 12955 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 16090 / 13154 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT 4 |
| 16500 / 13452 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 442 | Date of Summary: 26-APR-1986 | First Sample Examined: 9848 |
| Lease Number: G05080 | Source of Paleo: OPERATOR | Borehole MD: 16500 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13450 |
| API Well Number: 608174026500 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 3 of 7 | Sample Range: 9848 - 16500 | Water Depth: 1520 |
| Public Info Code: Y 24-MAY-1996 | Ecozone Eq MMS: N | Paleo ID: 007 |

Remark: Calcareous nannofossil report for sidetrack 3

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9848 / 8532 | DEF AT first sample examined | DEF AT |
| 10780 / 9201 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 12880 / 10753 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 16090 / 13154 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 16500 / 13452 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 442 | Date of Summary: 29-APR-1986 | First Sample Examined: 2820 |
| Lease Number: G05080 | Source of Paleo: OPERATOR | Borehole MD: 16500 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13450 |
| API Well Number: 608174026500 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 4 of 7 | Sample Range: 2820 - 9270 | Water Depth: 1520 |
| Public Info Code: Y 24-MAY-1996 | Ecozone Eq MMS: N | Paleo ID: 002 |

Remark: Calcareous nannofossil report for original hole, 7380=Lower Pleistocene Calcidiscus tropicus

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2820 / 2820 | DEF AT first sample examined | DEF AT |
| 3480 / 3478 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 6870 / 6356 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7380 / 6729 | POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 8040 / 7206 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 8160 / 7294 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT |
| 8460 / 7515 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 9270 / 8107 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 442 | Date of Summary: 29-APR-1986 | First Sample Examined: 9300 |
| Lease Number: G05080 | Source of Paleo: OPERATOR | Borehole MD: 16500 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13450 |
| API Well Number: 608174026500 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 5 of 7 | Sample Range: 9300 - 10050 | Water Depth: 1520 |
| Public Info Code: Y 24-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack 1 report, no diagnostic foram or coccolith markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 9300 / 8129 | DEF AT first sample examined | DEF AT 2 |
| 10050 / 8682 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 442 | Date of Summary: 29-APR-1986 | First Sample Examined: 9730 |
| Lease Number: G05080 | Source of Paleo: OPERATOR | Borehole MD: 16500 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13450 |
| API Well Number: 608174026500 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 6 of 7 | Sample Range: 9730 - 12230 | Water Depth: 1520 |
| Public Info Code: Y 24-MAY-1996 | Ecozone Eq MMS: Y | Paleo ID: 004 |

Remark: Consultant-integrated foram and nanno report for sidetrack 2

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9730 / 8442 | DEF AT first sample examined | DEF AT 1 |
| 10420 / 8947 | DEF AT - - - - - | DEF AT 3 |
| 10440 / 8961 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 3 |
| 10470 / 8982 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 3 |
| 10650 / 9109 | DEF AT - - - - - | DEF AT 2 |
| 12230 / 10266 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MC 442 | Date of Summary: 29-APR-1986 | First Sample Examined: 9730 |
| Lease Number: G05080 | Source of Paleo: OPERATOR | Borehole MD: 16500 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13450 |
| API Well Number: 608174026500 | Drilling Operator: CONOCO INC | Rkb Elevation: 72 |
| Paleo Report Num: 7 of 7 | Sample Range: 9730 - 12210 | Water Depth: 1520 |
| Public Info Code: Y 24-MAY-1996 | Ecozone Eq MMS: Y | Paleo ID: 005 |

Remark: Calcareous nannofossil report for sidetrack 2

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9730 / 8442 | DEF AT first sample examined | DEF AT 1 |
| 10470 / 8982 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 2 |
| 12210 / 10251 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 445 | Date of Summary: 10-DEC-1992 | First Sample Examined: 3615 |
| Lease Number: G06951 | Source of Paleo: OPERATOR | Borehole MD: 11073 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11071 |
| API Well Number: 608174042900 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 3615 - 11073 | Water Depth: 2094 |
| Public Info Code: Y 08-SEP-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 3615 / 3615 | DEF AT first sample examined | DEF AT 4 |
| 3930 / 3929 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 4590 / 4589 | DEF AT - - - - - | DEF AT 5 |
| 4950 / 4949 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 5 |
| 5610 / 5609 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 5 |
| 5730 / 5729 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 6360 / 6359 | DEF AT Upper Pliocene (Gelasian) Bolivina imperata / "P" | DEF IN 5 |
| 6870 / 6869 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 8220 / 8219 | DEF AT - - - - - | DEF AT 6 |
| 8340 / 8339 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 8910 / 8909 | POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 6 |
| 9570 / 9569 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 10620 / 10618 | DEF AT Arenaceous fauna (local marker) | DEF AT 6 |
| 11073 / 11071 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 445 | Date of Summary: 10-DEC-1992 | First Sample Examined: 3615 |
| Lease Number: G06951 | Source of Paleo: OPERATOR | Borehole MD: 11073 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11071 |
| API Well Number: 608174042900 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 3615 - 11070 | Water Depth: 2094 |
| Public Info Code: Y 08-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 3615 / 3615 | DEF AT first sample examined | DEF AT |
| 3870 / 3869 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 4680 / 4679 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 4860 / 4859 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 5160 / 5159 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 5790 / 5789 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 6150 / 6149 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 6690 / 6689 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 7110 / 7109 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 7530 / 7529 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 8280 / 8279 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 10470 / 10468 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 11070 / 11068 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MC 445 | Date of Summary: 12-AUG-1994 | First Sample Examined: 0 |
| Lease Number: G06951 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7237 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7139 |
| API Well Number: 608174047300 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 2095 |
| Public Info Code: Y 08-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, in=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5790 / 5767 | DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 6686 / 6617 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 447 | Date of Summary: 10-MAR-1994 | First Sample Examined: 3570 |
| Lease Number: G10993 | Source of Paleo: OPERATOR | Borehole MD: 7000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7000 |
| API Well Number: 608174047100 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 3570 - 7000 | Water Depth: 1970 |
| Public Info Code: Y 30-APR-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3570 / 3570 | DEF AT first sample examined | DEF AT 4 |
| 3690 / 3690 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 3990 / 3990 | DEF AT local marker deep water fauna | DEF AT 5 |
| 4440 / 4440 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 4770 / 4770 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 4920 / 4920 | POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 5 |
| 5040 / 5040 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 5220 / 5220 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 5370 / 5370 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 5430 / 5430 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 5459 / 5459 | DEF AT pyrite | DEF AT 5 |
| 5460 / 5460 | DEF AT glauconite | DEF AT 5 |
| 5490 / 5490 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 5519 / 5519 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 5520 / 5520 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT 5 |
| 5880 / 5880 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 7000 / 7000 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 447 | Date of Summary: 10-MAR-1994 | First Sample Examined: 3570 |
| Lease Number: G10993 | Source of Paleo: OPERATOR | Borehole MD: 7000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7000 |
| API Well Number: 608174047100 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 3570 - 7000 | Water Depth: 1970 |
| Public Info Code: Y 30-APR-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 3570 / 3570 | DEF AT first sample examined | DEF AT |
| 3930 / 3930 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 4650 / 4650 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 4710 / 4710 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 4830 / 4830 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 5010 / 5010 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 5370 / 5370 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 5459 / 5459 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 5460 / 5460 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 5520 / 5520 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 6540 / 6540 | DEF AT local marker floral increase | DEF AT |
| 6810 / 6810 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 7000 / 7000 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 476 | Date of Summary: 23-FEB-1998 | First Sample Examined: 9990 |
| Lease Number: G09813 | Source of Paleo: OPERATOR | Borehole MD: 18220 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17493 |
| API Well Number: 608174058500 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 9990 - 18210 | Water Depth: 6627 |
| Public Info Code: Y 30-JUL-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, overall foram sample quality is relatively poor, several extensive intervals have very poor foram recovery paleoenvironments also poorly controlled, but generally indicate upper slope, species abundance and diversity chart available, see report for details

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 9990 / 9990 | DEF AT first sample examined | POS AT 3 |
| 9991 / 9991 | DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | POS AT 3 |
| 10020 / 10020 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | POS AT 3 |
| 10050 / 10049 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | POS AT 3 |
| 10350 / 10349 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 10410 / 10409 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | POS AT 4 |
| 10590 / 10589 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | POS AT 4 |
| 10620 / 10619 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10860 / 10859 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | POS AT 4 |
| 11040 / 11039 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 11070 / 11069 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 11370 / 11369 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11580 / 11579 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT 4 |
| 11970 / 11969 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 13110 / 13109 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | POS AT 4 |
| 13200 / 13199 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13230 / 13229 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT 4 |
| 13410 / 13409 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 13740 / 13739 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13770 / 13769 | DEF AT Upper Miocene (Tortonian) Discoaster bellus | DEF AT 4 |
| 13830 / 13829 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | POS AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 476 | Date of Summary: 23-FEB-1998 | First Sample Examined: 9990 |
| Lease Number: G09813 | Source of Paleo: OPERATOR | Borehole MD: 18220 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17493 |
| API Well Number: 608174058500 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 9990 - 18210 | Water Depth: 6627 |
| Public Info Code: Y 30-JUL-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13920 / 13919 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 14130 / 14129 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 14190 / 14189 | POS AT Upper Miocene (Tortonian) Discoaster bollii | POS AT 4 |
| 14490 / 14489 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | POS AT 4 |
| 14670 / 14669 | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | POS AT 4 |
| 14790 / 14789 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 14880 / 14879 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 15090 / 15089 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 15150 / 15149 | POS IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 15180 / 15179 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 15870 / 15851 | POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus | POS AT 4 |
| 15930 / 15906 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 15990 / 15961 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 16080 / 16042 | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | POS AT 4 |
| 16110 / 16069 | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | POS AT 4 |
| 16200 / 16146 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | POS AT 4 |
| 16230 / 16172 | DEF AT Middle Miocene (Serravallian) Discoaster kugleri (increase) | POS AT 4 |
| 16440 / 16338 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 16470 / 16361 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 17010 / 16722 | DEF AT Middle Miocene (Serravallian) Discoaster musicus | POS AT 4 |
| 17250 / 16879 | DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus | POS AT 4 |
| 17280 / 16898 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 17460 / 17016 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 17970 / 17344 | DEF AT faunal change (no faunal increase) | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 476 | Date of Summary: 23-FEB-1998 | First Sample Examined: 9990 |
| Lease Number: G09813 | Source of Paleo: OPERATOR | Borehole MD: 18220 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17493 |
| API Well Number: 608174058500 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 9990 - 18210 | Water Depth: 6627 |
| Public Info Code: Y 30-JUL-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 18000 / 17362 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 4 |
| 18030 / 17380 | DEF AT faunal change (no faunal increase) | POS AT 4 |
| 18210 / 17487 | DEF AT last sample examined | POS AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 486 | Date of Summary: 18-MAR-1988 | First Sample Examined: 3030 |
| Lease Number: G06957 | Source of Paleo: OPERATOR | Borehole MD: 9502 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8372 |
| API Well Number: 608174031001 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 3030 - 8900 | Water Depth: 1126 |
| Public Info Code: Y 13-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3030 / 3030 | DEF AT first sample examined | DEF AT 4 |
| 3031 / 3031 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 4530 / 4530 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 6180 / 6150 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 8070 / 7480 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 8160 / 7535 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 5 |
| 8520 / 7757 | DEF AT local marker benthic foram increase | DEF AT 5 |
| 8900 / 7993 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MC 487 | Date of Summary: 06-MAY-1988 | First Sample Examined: 0 |
| Lease Number: G06958 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10100 |
| API Well Number: 608174031900 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 1519 |
| Public Info Code: Y 21-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3560 / 3560 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 3860 / 3860 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 7310 / 7310 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 8450 / 8450 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 9110 / 9110 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 9930 / 9930 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 522 | Date of Summary: 16-JUL-1990 | First Sample Examined: 9420 |
| Lease Number: G08823 | Source of Paleo: OPERATOR | Borehole MD: 19200 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19200 |
| API Well Number: 608174035700 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 50 |
| Paleo Report Num: 1 of 2 | Sample Range: 9420 - 19180 | Water Depth: 6950 |
| Public Info Code: Y 15-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 9420 / | DEF AT first sample examined | POS AT 4 |
| 9850 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 10000 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10300 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 11260 / | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 4 |
| 12760 / | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |
| 13899 / | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT 4 |
| 13900 / | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 16840 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 4 |
| 18430 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 4 |
| 19180 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 522 | Date of Summary: 01-APR-1999 | First Sample Examined: 9482 |
| Lease Number: G08823 | Source of Paleo: OPERATOR | Borehole MD: 19200 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19200 |
| API Well Number: 608174035700 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 50 |
| Paleo Report Num: 2 of 2 | Sample Range: 9482 - 19200 | Water Depth: 6950 |
| Public Info Code: Y 15-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9482 / | DEF AT first sample examined | DEF AT |
| 9550 / | POS IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 9850 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10090 / | POS IN Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT 4 |
| 10240 / | DEF IN Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 4 |
| 10420 / | DEF AT Lower Pliocene (Zanclian) Discoaster challengerii | DEF AT 4 |
| 10510 / | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 11140 / | DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT 4 |
| 11950 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 12760 / | DEF IN Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 4 |
| 12820 / | POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |
| 12880 / | DEF IN Upper Miocene (Tortonian) Minylitha convallis | DEF AT 4 |
| 13180 / | DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT 4 |
| 13510 / | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |
| 13660 / | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT 4 |
| 13900 / | DEF IN Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 14440 / | DEF IN Upper Miocene (Tortonian) Catinaster coalitus | DEF AT 4 |
| 15040 / | DEF IN Upper Miocene (Tortonian) Discoaster hamatus | DEF AT 4 |
| 15100 / | POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus | DEF AT 4 |
| 16840 / | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT 4 |
| 18430 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 4 |
| 19030 / | POS AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 522 | Date of Summary: 01-APR-1999 | First Sample Examined: 9482 |
| Lease Number: G08823 | Source of Paleo: OPERATOR | Borehole MD: 19200 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19200 |
| API Well Number: 608174035700 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 50 |
| Paleo Report Num: 2 of 2 | Sample Range: 9482 - 19200 | Water Depth: 6950 |
| Public Info Code: Y 15-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 19060 / | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 4 |
| 19180 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 531 | Date of Summary: 21-JUN-2001 | First Sample Examined: 5590 |
| Lease Number: G18251 | Source of Paleo: OPERATOR | Borehole MD: 8300 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7518 |
| API Well Number: 608174082200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 5590 - 8040 | Water Depth: 1070 |
| Public Info Code: Y 28-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 5590 / 5520 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 5650 / 5569 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 6040 / 5857 | DEF AT foram flood | DEF AT 5 |
| 6070 / 5878 | DEF AT sand | DEF AT |
| 6100 / 5900 | DEF AT sample gap top | DEF AT |
| 7449 / 6882 | DEF AT sample gap bottom | DEF AT |
| 7450 / 6883 | DEF AT foram flood | DEF AT 5 |
| 7830 / 7161 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 7890 / 7206 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 7920 / 7228 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7980 / 7273 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 5 |
| 8010 / 7296 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 8040 / 7319 | DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 573 | Date of Summary: 08-OCT-1993 | First Sample Examined: 5730 |
| Lease Number: G12163 | Source of Paleo: OPERATOR | Borehole MD: 9726 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8320 |
| API Well Number: 608174045800 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 5730 - 9725 | Water Depth: 467 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5730 / 5404 | DEF AT first sample examined | DEF AT 3 |
| 5940 / 5559 | DEF AT local marker deep water fauna | DEF AT 4 |
| 6090 / 5668 | POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 4 |
| 6480 / 5945 | POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 8520 / 7413 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 9360 / 8047 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 9725 / 8319 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MC 574 | Date of Summary: 19-JAN-1993 | First Sample Examined: 0 |
| Lease Number: G13138 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15371 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8342 |
| API Well Number: 608174043700 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 674 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2250 / 2218 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 8460 / 4974 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 12450 / 6766 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT |
| 12690 / 6899 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 14760 / 8029 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 14970 / 8138 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 15210 / 8262 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 583 | Date of Summary: 13-NOV-1989 | First Sample Examined: 4205 |
| Lease Number: G08492 | Source of Paleo: OPERATOR | Borehole MD: 10040 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10040 |
| API Well Number: 608174029800 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 4205 - 10020 | Water Depth: 2150 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 4205 / | DEF AT first sample examined | POS AT 4 |
| 5494 / | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 7209 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 8100 / | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 9630 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 10020 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: MC 606 | Date of Summary: 01-OCT-1997 | First Sample Examined: 10000 |
| Lease Number: G08838 | Source of Paleo: OPERATOR | Borehole MD: 17750 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16365 |
| API Well Number: 608174057100 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 10000 - 17750 | Water Depth: 6403 |
| Public Info Code: Y 08-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10000 / 9994 | DEF AT first sample examined | DEF AT 4 |
| 10001 / 9995 | POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 10240 / 10234 | DEF AT - - - - - | DEF AT 5 |
| 10300 / 10294 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 5 |
| 10450 / 10444 | DEF AT - - - - - | DEF AT 4 |
| 10600 / 10594 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 11050 / 11044 | DEF AT - - - - - | DEF AT 5 |
| 11110 / 11104 | DEF AT - - - - - | DEF AT 4 |
| 11260 / 11253 | DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT 4 |
| 11350 / 11343 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 11380 / 11373 | DEF IN Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT 5 |
| 11440 / 11432 | DEF AT - - - - - | DEF AT 4 |
| 11500 / 11492 | DEF AT - - - - - | DEF AT 5 |
| 11590 / 11580 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 5 |
| 11830 / 11814 | DEF AT poor sample interval top | POS AT 5 |
| 12040 / 12013 | DEF AT poor sample interval bottom | DEF AT 4 |
| 12160 / 12123 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 12190 / 12150 | DEF AT - - - - - | DEF AT 5 |
| 12400 / 12337 | DEF AT - - - - - | DEF AT 4 |
| 12550 / 12469 | DEF AT - - - - - | DEF AT 5 |
| 12580 / 12495 | DEF AT - - - - - | DEF AT 4 |
| 12670 / 12572 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: MC 606 | Date of Summary: 01-OCT-1997 | First Sample Examined: 10000 |
| Lease Number: G08838 | Source of Paleo: OPERATOR | Borehole MD: 17750 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16365 |
| API Well Number: 608174057100 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 10000 - 17750 | Water Depth: 6403 |
| Public Info Code: Y 08-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12880 / 12747 | DEF AT poor sample interval top | POS AT 4 |
| 13270 / 13057 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | POS AT 4 |
| 13540 / 13273 | DEF AT poor sample interval bottom | DEF AT 4 |
| 14200 / 13815 | DEF AT poor sample interval top | POS AT 4 |
| 14470 / 14042 | DEF AT poor sample interval bottom | POS AT 4 |
| 14770 / 14296 | DEF AT poor sample interval top | POS AT 4 |
| 14920 / 14421 | DEF AT poor sample interval bottom | DEF AT 4 |
| 15070 / 14546 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT 4 |
| 15190 / 14644 | DEF AT poor sample interval top | POS AT 4 |
| 15700 / 15056 | DEF AT poor sample interval bottom | DEF AT 4 |
| 15730 / 15080 | DEF AT poor sample interval top | POS AT 4 |
| 15880 / 15195 | DEF AT poor sample interval bottom | DEF IN 4 |
| 15910 / 15218 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT 4 |
| 16210 / 15441 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT 4 |
| 16240 / 15463 | DEF AT - - - - - | DEF IN 4 |
| 16270 / 15484 | DEF AT - - - - - | DEF AT 4 |
| 16360 / 15548 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 16450 / 15612 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF IN 4 |
| 16510 / 15653 | DEF AT - - - - - | DEF AT 4 |
| 16750 / 15813 | DEF AT - - - - - | DEF IN 4 |
| 16840 / 15870 | DEF AT poor sample interval top | POS AT 4 |
| 17590 / 16291 | DEF AT poor sample interval bottom | DEF AT 4 |
| 17620 / 16305 | DEF AT poor sample interval top | POS AT 4 |
| 17749 / 16364 | DEF AT poor sample interval bottom | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: MC 606 | Date of Summary: 01-OCT-1997 | First Sample Examined: 10000 |
| Lease Number: G08838 | Source of Paleo: OPERATOR | Borehole MD: 17750 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16365 |
| API Well Number: 608174057100 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 10000 - 17750 | Water Depth: 6403 |
| Public Info Code: Y 08-MAR-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 17750 / 16365 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MC 619 | Date of Summary: 17-FEB-1997 | First Sample Examined: 2760 |
| Lease Number: G13139 | Source of Paleo: OPERATOR | Borehole MD: 21000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 20978 |
| API Well Number: 608174053300 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 2760 - 21000 | Water Depth: 1350 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2760 / 2760 | DEF AT first sample examined | DEF AT 4 |
| 4470 / 4470 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 4 |
| 4980 / 4980 | DEF AT - - - - - | DEF AT 5 |
| 5070 / 5070 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 5160 / 5160 | DEF AT - - - - - | DEF AT 4 |
| 5550 / 5550 | DEF AT - - - - - | DEF AT 5 |
| 5880 / 5880 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 5 |
| 6626 / 6625 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 5 |
| 6870 / 6869 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 5 |
| 7050 / 7049 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 5 |
| 7080 / 7079 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7110 / 7109 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 5 |
| 7350 / 7349 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 5 |
| 7380 / 7379 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 7812 / 7811 | DEF AT salt | POS AT 4 |
| 11893 / 11882 | DEF AT base of salt | DEF AT 4 |
| 12060 / 12048 | DEF AT - - - - - | DEF IN 4 |
| 12090 / 12078 | DEF IN Upper Miocene (Messinian) Discoaster quinquerramus | DEF IN 4 |
| 12240 / 12228 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF IN 4 |
| 13680 / 13666 | DEF AT - - - - - | DEF IN 3 |
| 14010 / 13995 | DEF AT - - - - - | DEF AT 4 |
| 14580 / 14565 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MC 619 | Date of Summary: 17-FEB-1997 | First Sample Examined: 2760 |
| Lease Number: G13139 | Source of Paleo: OPERATOR | Borehole MD: 21000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 20978 |
| API Well Number: 608174053300 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 2760 - 21000 | Water Depth: 1350 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 15420 / 15405 | DEF AT ----- | DEF AT 3 |
| 15660 / 15645 | DEF AT ----- | DEF IN 4 |
| 16050 / 16034 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF IN 4 |
| 16320 / 16304 | DEF AT ----- | DEF IN 3 |
| 16500 / 16484 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF IN 3 |
| 16980 / 16963 | DEF AT ----- | DEF IN 4 |
| 17370 / 17352 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 4 |
| 18000 / 17981 | DEF AT ----- | DEF AT 4 |
| 18510 / 18490 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 4 |
| 19050 / 19030 | DEF AT ----- | DEF IN 4 |
| 21000 / 20978 | DEF AT last sample examined | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MC 628 | Date of Summary: 18-AUG-1997 | First Sample Examined: 4140 |
| Lease Number: G13140 | Source of Paleo: OPERATOR | Borehole MD: 20076 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19477 |
| API Well Number: 608174054500 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 4140 - 20076 | Water Depth: 2595 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4140 / 4140 | DEF AT first sample examined | DEF AT 4 |
| 4500 / 4500 | DEF AT ----- | DEF IN 4 |
| 4830 / 4830 | DEF AT ----- | DEF IN 3 |
| 5460 / 5460 | DEF AT ----- | DEF IN 4 |
| 5580 / 5580 | DEF AT ----- | DEF AT 4 |
| 5970 / 5970 | DEF AT ----- | DEF IN 4 |
| 6060 / 6060 | DEF AT ----- | DEF AT 3 |
| 6150 / 6150 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 3 |
| 6420 / 6420 | DEF AT ----- | DEF IN 4 |
| 6810 / 6810 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 4 |
| 6900 / 6900 | DEF AT ----- | DEF AT 2 |
| 7170 / 7170 | DEF AT ----- | DEF IN 4 |
| 7440 / 7440 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF IN 4 |
| 7710 / 7710 | DEF AT ----- | DEF AT 3 |
| 7920 / 7920 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 3 |
| 8010 / 8010 | DEF AT ----- | DEF AT 2 |
| 8100 / 8100 | DEF AT ----- | DEF IN 4 |
| 8220 / 8220 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF IN 4 |
| 8250 / 8250 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF IN 4 |
| 8280 / 8280 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 4 |
| 8430 / 8430 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF IN 4 |
| 8580 / 8580 | DEF AT salt | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MC 628 | Date of Summary: 18-AUG-1997 | First Sample Examined: 4140 |
| Lease Number: G13140 | Source of Paleo: OPERATOR | Borehole MD: 20076 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19477 |
| API Well Number: 608174054500 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 4140 - 20076 | Water Depth: 2595 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 12010 / 12005 | DEF AT base of salt | DEF AT 4 |
| 12130 / 12125 | DEF IN Upper Miocene (Messinian) Discoaster quinqueringus | DEF AT 4 |
| 12460 / 12454 | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 14430 / 14414 | DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT 4 |
| 15330 / 15251 | DEF AT - - - - - | DEF IN 4 |
| 16110 / 15949 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF IN 4 |
| 16260 / 16081 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF IN 4 |
| 17325 / 17011 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF IN 4 |
| 17430 / 17105 | DEF AT - - - - - | DEF AT 4 |
| 19170 / 18658 | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT 4 |
| 20040 / 19427 | POS AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 20076 / 19458 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 638 | Date of Summary: 01-AUG-1996 | First Sample Examined: 6808 |
| Lease Number: G08840 | Source of Paleo: OPERATOR | Borehole MD: 20586 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19898 |
| API Well Number: 608174053600 | Drilling Operator: BP Exploration Inc. | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 3 | Sample Range: 6808 - 20586 | Water Depth: 4263 |
| Public Info Code: Y 07-JAN-1997 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6808 / 6808 | DEF AT first sample examined | POS AT 5 |
| 6809 / 6809 | DEF IN cement | POS AT 5 |
| 7080 / 7080 | DEF AT - - - - - | DEF AT 5 |
| 7230 / 7230 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF IN 5 |
| 7260 / 7260 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF IN 5 |
| 7410 / 7410 | DEF AT - - - - - | POS IN 5 |
| 7530 / 7530 | DEF AT - - - - - | DEF AT 5 |
| 7710 / 7710 | DEF AT - - - - - | DEF IN 5 |
| 7725 / 7725 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF IN 5 |
| 7860 / 7860 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF IN 5 |
| 8010 / 8010 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 8340 / 8340 | DEF AT - - - - - | DEF AT 5 |
| 8580 / 8580 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT 5 |
| 8730 / 8730 | DEF AT - - - - - | POS AT 5 |
| 8820 / 8820 | DEF AT - - - - - | DEF AT 5 |
| 8940 / 8940 | DEF AT - - - - - | POS AT 5 |
| 9000 / 9000 | DEF AT - - - - - | DEF AT 5 |
| 9300 / 9299 | DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 9450 / 9449 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT 5 |
| 10110 / 10109 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 5 |
| 10700 / 10699 | DEF AT - - - - - | DEF IN 5 |
| 10860 / 10859 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 638 | Date of Summary: 01-AUG-1996 | First Sample Examined: 6808 |
| Lease Number: G08840 | Source of Paleo: OPERATOR | Borehole MD: 20586 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19898 |
| API Well Number: 608174053600 | Drilling Operator: BP Exploration Inc. | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 3 | Sample Range: 6808 - 20586 | Water Depth: 4263 |
| Public Info Code: Y 07-JAN-1997 | Ecozone Eq MMS: Y | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11160 / 11159 | DEF AT ----- | POS IN 5 |
| 12210 / 12209 | DEF AT ----- | DEF IN 5 |
| 12750 / 12749 | DEF AT ----- | POS IN 4 |
| 12930 / 12929 | POS AT Upper Miocene (Tortonian) Robulus "E" | POS IN 4 |
| 13950 / 13940 | DEF AT Upper Miocene (Tortonian) Catinaster sp. | POS IN 4 |
| 14330 / 14303 | DEF AT ----- | DEF IN 4 |
| 14940 / 14862 | DEF AT ----- | POS IN 4 |
| 16500 / 16237 | POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | POS IN 4 |
| 18420 / 17927 | POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens | POS IN 4 |
| 20586 / 19898 | DEF AT last sample examined | POS IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 638 | Date of Summary: 27-AUG-1996 | First Sample Examined: 6808 |
| Lease Number: G08840 | Source of Paleo: OPERATOR | Borehole MD: 20586 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 19898 |
| API Well Number: 608174053600 | Drilling Operator: BP Exploration Inc. | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 3 | Sample Range: 6808 - 20586 | Water Depth: 4263 |
| Public Info Code: Y 07-JAN-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Narcissus Prospect, calcareous nannofossil report, 13740=Discoaster extensus

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6808 / 6808 | DEF AT first sample examined | DEF AT |
| 7080 / 7080 | DEF IN local marker floral increase | DEF AT |
| 7200 / 7200 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa T.R. | DEF AT |
| 7260 / 7260 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 7440 / 7440 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7500 / 7500 | DEF AT local marker floral decrease | DEF AT |
| 7740 / 7740 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7800 / 7800 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 7860 / 7860 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 7920 / 7920 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 8340 / 8340 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 8400 / 8400 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 9000 / 9000 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A" | DEF AT |
| 9300 / 9299 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 9360 / 9359 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 9600 / 9599 | DEF AT local marker floral decrease | DEF AT |
| 10140 / 10139 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 10920 / 10919 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 11100 / 11099 | DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus | DEF AT |
| 11220 / 11219 | DEF AT local marker floral decrease | DEF AT |
| 11280 / 11279 | DEF AT local marker floral decrease | DEF AT |
| 11340 / 11339 | DEF AT local marker floral increase | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 638 | Date of Summary: 27-AUG-1996 | First Sample Examined: 6808 |
| Lease Number: G08840 | Source of Paleo: OPERATOR | Borehole MD: 20586 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 19898 |
| API Well Number: 608174053600 | Drilling Operator: BP Exploration Inc. | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 3 | Sample Range: 6808 - 20586 | Water Depth: 4263 |
| Public Info Code: Y 07-JAN-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 12000 / 11999 | DEF AT local marker floral decrease | DEF AT |
| 13020 / 13019 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 13080 / 13079 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |
| 13140 / 13139 | DEF AT local marker floral decrease | DEF AT |
| 13740 / 13735 | DEF AT local marker floral increase | DEF AT |
| 13860 / 13853 | DEF AT local marker floral decrease | DEF AT |
| 14580 / 14536 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 14760 / 14700 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 15060 / 14970 | DEF AT local marker floral decrease | DEF AT |
| 15180 / 15078 | DEF AT local marker floral increase | DEF AT |
| 15420 / 15289 | DEF AT local marker floral decrease | DEF AT |
| 16800 / 16501 | DEF AT local marker floral increase | DEF AT |
| 17100 / 16763 | DEF AT local marker floral decrease | DEF AT |
| 18300 / 17820 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 18480 / 17980 | DEF AT local marker floral decrease | DEF AT |
| 19320 / 18735 | DEF AT local marker floral decrease | DEF AT |
| 19560 / 18953 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 20586 / 19898 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 638 | Date of Summary: 15-OCT-1996 | First Sample Examined: 6808 |
| Lease Number: G08840 | Source of Paleo: OPERATOR | Borehole MD: 20586 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 19898 |
| API Well Number: 608174053600 | Drilling Operator: BP Exploration Inc. | Rkb Elevation: 86 |
| Paleo Report Num: 3 of 3 | Sample Range: 6808 - 20635 | Water Depth: 4263 |
| Public Info Code: Y 07-JAN-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Narcissus Prospect

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6080 / 6080 | DEF AT first sample examined | DEF AT 4 |
| 7080 / 7080 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 7110 / 7110 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 7200 / 7200 | DEF AT foram flood | DEF AT 5 |
| 7260 / 7260 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 7380 / 7380 | DEF AT local marker foram decrease | DEF AT 5 |
| 7710 / 7710 | DEF AT foram flood | DEF AT 5 |
| 7800 / 7800 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 7860 / 7860 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 7890 / 7890 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 5 |
| 7920 / 7920 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 8050 / 8050 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 8130 / 8130 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 8190 / 8190 | DEF AT foram flood | DEF AT 4 |
| 8370 / 8370 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 8490 / 8490 | DEF AT local marker foram decrease | DEF AT 4 |
| 8580 / 8580 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 8730 / 8730 | DEF AT sand | DEF IN 3 |
| 9000 / 9000 | POS AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 4 |
| 9030 / 9030 | DEF AT foram flood | DEF IN 4 |
| 9299 / 9298 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF IN 4 |
| 9300 / 9299 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 638 | Date of Summary: 15-OCT-1996 | First Sample Examined: 6808 |
| Lease Number: G08840 | Source of Paleo: OPERATOR | Borehole MD: 20586 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 19898 |
| API Well Number: 608174053600 | Drilling Operator: BP Exploration Inc. | Rkb Elevation: 86 |
| Paleo Report Num: 3 of 3 | Sample Range: 6808 - 20635 | Water Depth: 4263 |
| Public Info Code: Y 07-JAN-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 9480 / 9479 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 9630 / 9629 | DEF AT local marker foram decrease | DEF AT 4 |
| 9810 / 9809 | DEF AT foram flood | DEF AT 4 |
| 9960 / 9959 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 10140 / 10139 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 10350 / 10349 | DEF AT local marker foram decrease | DEF AT 3 |
| 10500 / 10499 | DEF AT sand | DEF AT 4 |
| 10501 / 10500 | DEF AT pyrite | DEF AT 4 |
| 10530 / 10529 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 11040 / 11039 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |
| 11070 / 11069 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 4 |
| 11160 / 11159 | DEF AT sand | DEF IN 3 |
| 11161 / 11160 | DEF AT local marker foram decrease | DEF IN 3 |
| 12450 / 12449 | POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF IN 3 |
| 12480 / 12479 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 12540 / 12539 | DEF AT local marker foram decrease | DEF AT 3 |
| 12900 / 12899 | DEF AT Cyclammina cancellata (local marker) | DEF AT 3 |
| 13200 / 13199 | POS IN Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 13290 / 13289 | DEF AT local marker foram decrease | DEF AT 3 |
| 13530 / 13528 | DEF AT Arenaceous fauna (local marker) | DEF AT 3 |
| 14160 / 14141 | DEF AT Arenaceous fauna (local marker) | DEF AT 3 |
| 14490 / 14453 | DEF AT local marker foram increase | DEF AT 3 |
| 14550 / 14508 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 4 |
| 14610 / 14564 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 638 | Date of Summary: 15-OCT-1996 | First Sample Examined: 6808 |
| Lease Number: G08840 | Source of Paleo: OPERATOR | Borehole MD: 20586 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 19898 |
| API Well Number: 608174053600 | Drilling Operator: BP Exploration Inc. | Rkb Elevation: 86 |
| Paleo Report Num: 3 of 3 | Sample Range: 6808 - 20635 | Water Depth: 4263 |
| Public Info Code: Y 07-JAN-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14700 / 14646 | DEF AT local marker foram decrease | DEF AT 3 |
| 14850 / 14781 | DEF AT local marker planktic foram increase | DEF AT 4 |
| 15000 / 14916 | DEF AT sand | DEF AT 3 |
| 15120 / 15024 | DEF AT sand | DEF AT 4 |
| 16800 / 16501 | POS AT local marker planktic foram increase | DEF AT 4 |
| 16980 / 16659 | POS IN Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 17850 / 17421 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 18210 / 17740 | DEF AT black shale | DEF AT 4 |
| 18420 / 17927 | DEF AT foram flood | DEF IN 4 |
| 18480 / 17980 | DEF AT local marker foram decrease | DEF IN 4 |
| 18990 / 18438 | DEF AT Eggerella sp. (local marker) | DEF IN 4 |
| 19170 / 18600 | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT 4 |
| 19350 / 18763 | POS AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 19380 / 18790 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 19590 / 18980 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 4 |
| 19650 / 19035 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 19680 / 19062 | DEF AT local marker foram decrease | DEF AT 3 |
| 20040 / 19390 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 20550 / 19865 | DEF AT Eggerella sp. (local marker) | DEF IN 4 |
| 20635 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 657 | Date of Summary: 21-APR-1988 | First Sample Examined: 9450 |
| Lease Number: G08496 | Source of Paleo: OPERATOR | Borehole MD: 17510 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17509 |
| API Well Number: 608174031400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 2 of 2 | Sample Range: 9450 - 17510 | Water Depth: 7500 |
| Public Info Code: Y 23-DEC-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9450 / 9450 | DEF AT first sample examined | DEF AT 5 |
| 10920 / 10920 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 11130 / 11130 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 13260 / 13260 | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT 5 |
| 15610 / 15609 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 5 |
| 16480 / 16479 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT 5 |
| 17470 / 17469 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 5 |
| 17510 / 17509 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MC 705 | Date of Summary: 08-JUL-1996 | First Sample Examined: 0 |
| Lease Number: G12164 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13300 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10709 |
| API Well Number: 608174053200 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 847 |
| Public Info Code: Y 02-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11400 / 9363 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 705 | Date of Summary: 14-DEC-1992 | First Sample Examined: 2900 |
| Lease Number: G12165 | Source of Paleo: OPERATOR | Borehole MD: 14142 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11816 |
| API Well Number: 608174043000 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 2900 - 14150 | Water Depth: 843 |
| Public Info Code: Y 02-AUG-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 2900 / 2900 | DEF AT first sample examined | DEF AT 5 |
| 3050 / 3050 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 5 |
| 11210 / 9582 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 12560 / 10584 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 5 |
| 13160 / 11045 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 5 |
| 13220 / 11092 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 13310 / 11162 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 14150 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: MC 705 | Date of Summary: 22-APR-1993 | First Sample Examined: 12440 |
| Lease Number: G12165 | Source of Paleo: OPERATOR | Borehole MD: 13663 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11916 |
| API Well Number: 608174043001 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 9980 - 13663 | Water Depth: 843 |
| Public Info Code: Y 02-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9980 / 8740 | DEF AT first sample examined | DEF AT |
| 12560 / 10964 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 13250 / 11559 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 13460 / 11740 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 13663 / 11915 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 705 | Date of Summary: 23-APR-1993 | First Sample Examined: 9330 |
| Lease Number: G12165 | Source of Paleo: OPERATOR | Borehole MD: 13820 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12064 |
| API Well Number: 608174043400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 9330 - 14150 | Water Depth: 845 |
| Public Info Code: Y 02-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9330 / 8553 | DEF AT first sample examined | DEF AT |
| 12990 / 11411 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 13710 / 11977 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 14150 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|------------------------------------|
| Area Block: MC 706 | Date of Summary: 30-JUN-1994 | First Sample Examined: 5600 |
| Lease Number: G14015 | Source of Paleo: OPERATOR | Borehole MD: 15000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14993 |
| API Well Number: 608174047200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 5600 - 15000 | Water Depth: 1220 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5600 / | DEF AT first sample examined | DEF AT |
| 5601 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 14660 / | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 14870 / | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 15000 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 730 | Date of Summary: 12-SEP-1988 | First Sample Examined: 7170 |
| Lease Number: G07954 | Source of Paleo: OPERATOR | Borehole MD: 16012 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16012 |
| API Well Number: 608174033000 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 3 | Sample Range: 7170 - 16012 | Water Depth: 5328 |
| Public Info Code: Y 11-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: 10470=Globorotalia miocenica (left-coiled)

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 7170 / | DEF AT first sample examined | DEF AT 5 |
| 8640 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 9090 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 9210 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10110 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 10470 / | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 10830 / | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 15060 / | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 5 |
| 16012 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 730 | Date of Summary: 01-APR-1999 | First Sample Examined: 7170 |
| Lease Number: G07954 | Source of Paleo: OPERATOR | Borehole MD: 16012 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16012 |
| API Well Number: 608174033000 | Drilling Operator: SHELL DEEPWATER PRODUCTION INC | Rkb Elevation: 48 |
| Paleo Report Num: 3 of 3 | Sample Range: 7170 - 16012 | Water Depth: 5328 |
| Public Info Code: Y 11-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7170 / | DEF AT first sample examined | DEF AT 4 |
| 7830 / | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 7980 / | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 4 |
| 8340 / | DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT 4 |
| 8400 / | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT 4 |
| 8640 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 9090 / | POS IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9150 / | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 9180 / | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 9480 / | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 10110 / | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 10200 / | DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis | DEF AT 4 |
| 10230 / | POS AT Lower Pliocene (Zanclian) Discoaster challengerii | DEF AT 4 |
| 10410 / | DEF AT Lower Pliocene (Zanclian) Discoaster challengerii | DEF AT 4 |
| 10470 / | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 4 |
| 11160 / | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 11970 / | DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT 4 |
| 13350 / | POS AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 4 |
| 14190 / | DEF IN Upper Miocene (Tortonian) Minylitha convallis | DEF AT 4 |
| 15060 / | POS IN Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 4 |
| 16012 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 731 | Date of Summary: 06-APR-1987 | First Sample Examined: 7451 |
| Lease Number: G07955 | Source of Paleo: OPERATOR | Borehole MD: 15995 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15995 |
| API Well Number: 608174028900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 2 | Sample Range: 7451 - 15990 | Water Depth: 5400 |
| Public Info Code: Y 31-DEC-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 7451 / | DEF AT first sample examined | DEF AT 4 |
| 9314 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10419 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 11105 / | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 14780 / | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |
| 15920 / | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 15990 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 731 | Date of Summary: 01-APR-1999 | First Sample Examined: 7801 |
| Lease Number: G07955 | Source of Paleo: OPERATOR | Borehole MD: 15995 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15995 |
| API Well Number: 608174028900 | Drilling Operator: SHELL DEEPWATER PRODUCTION INC | Rkb Elevation: 48 |
| Paleo Report Num: 2 of 2 | Sample Range: 7801 - 16922 | Water Depth: 5400 |
| Public Info Code: Y 31-DEC-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 7801 / | DEF AT first sample examined | DEF AT 4 |
| 7802 / | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 9099 / | DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 4 |
| 9279 / | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 9747 / | DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 10419 / | DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 11576 / | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 14690 / | DEF IN Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 4 |
| 14720 / | POS AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT 4 |
| 14780 / | DEF IN Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 4 |
| 15140 / | DEF AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT 4 |
| 15260 / | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 15920 / | DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT 4 |
| 16922 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: MC 731 | Date of Summary: 06-APR-1987 | First Sample Examined: 15496 |
| Lease Number: G07955 | Source of Paleo: OPERATOR | Borehole MD: 16922 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16922 |
| API Well Number: 608174028901 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 15496 - 16922 | Water Depth: 5400 |
| Public Info Code: Y 13-APR-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 15496 / 15496 | DEF AT first sample examined | DEF AT 5 |
| 15830 / 15829 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 16922 / 16921 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: MC 739 | Date of Summary: 20-MAY-1998 | First Sample Examined: 10480 |
| Lease Number: G09859 | Source of Paleo: OPERATOR | Borehole MD: 20850 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 20843 |
| API Well Number: 608174060100 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 10480 - 20850 | Water Depth: 7095 |
| Public Info Code: Y 25-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, overall foram sample quality is relatively poor, several extensive intervals have poor foram recovery, both Discoaster loeblichii(=15050) and Discoaster neohamatus (=15470) are depressed

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 10480 / 10479 | DEF AT first sample examined | POS AT 4 |
| 10481 / 10480 | DEF IN Upper Pliocene (Gelasian) Discoaster surculus | POS AT 4 |
| 10720 / 10719 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | POS AT 4 |
| 10780 / 10779 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | POS AT 4 |
| 10930 / 10929 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11740 / 11738 | DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis | DEF AT 4 |
| 11980 / 11978 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 12040 / 12038 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 12220 / 12218 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT 4 |
| 12580 / 12578 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 13180 / 13178 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT 4 |
| 15050 / 15048 | DEF IN Upper Miocene (Tortonian) Discoaster loeblichii | POS AT 4 |
| 15470 / 15468 | DEF IN Upper Miocene (Tortonian) Discoaster neohamatus | POS AT 4 |
| 15560 / 15558 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 15590 / 15588 | POS AT Upper Miocene (Tortonian) Discoaster bellus | DEF AT 4 |
| 15770 / 15768 | POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT 4 |
| 16070 / 16068 | POS AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT 4 |
| 16310 / 16308 | POS AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT 4 |
| 17030 / 17028 | POS AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT 4 |
| 19490 / 19485 | POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT 4 |
| 19550 / 19545 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|-------------------------------------|
| Area Block: MC 739 | Date of Summary: 20-MAY-1998 | First Sample Examined: 10480 |
| Lease Number: G09859 | Source of Paleo: OPERATOR | Borehole MD: 20850 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 20843 |
| API Well Number: 608174060100 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 10480 - 20850 | Water Depth: 7095 |
| Public Info Code: Y 25-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 19610 / 19605 | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 4 |
| 20270 / 20264 | POS AT Middle Miocene (Serravallian) Discoaster kugleri | DEF AT 4 |
| 20690 / 20684 | DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis | DEF AT 4 |
| 20720 / 20713 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 4 |
| 20840 / 20833 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MC 763 | Date of Summary: 01-APR-1999 | First Sample Examined: 5188 |
| Lease Number: G07958 | Source of Paleo: OPERATOR | Borehole MD: 18804 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18804 |
| API Well Number: 608174035100 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 50 |
| Paleo Report Num: 2 of 2 | Sample Range: 5188 - 18804 | Water Depth: 3170 |
| Public Info Code: Y 18-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Anstey Prospect, foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5188 / | DEF AT first sample examined | DEF AT 4 |
| 5420 / | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 7010 / | DEF AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood) | DEF AT 4 |
| 7520 / | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 4 |
| 8270 / | DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT 4 |
| 8330 / | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 8809 / | DEF AT unconformity | DEF AT 4 |
| 8810 / | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 9200 / | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 9560 / | DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 9590 / | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 10400 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 11120 / | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 11870 / | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 14330 / | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 16610 / | POS AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 4 |
| 17510 / | POS AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT 4 |
| 17540 / | POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |
| 18804 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 764 | Date of Summary: 12-JUN-1992 | First Sample Examined: 4655 |
| Lease Number: G08852 | Source of Paleo: OPERATOR | Borehole MD: 12143 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12143 |
| API Well Number: 608174033700 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 2 | Sample Range: 4655 - 12143 | Water Depth: 3252 |
| Public Info Code: Y 13-NOV-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 4655 / | DEF AT first sample examined | DEF AT 5 |
| 5470 / | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 5 |
| 6310 / | DEF AT faunal change (no faunal increase) | DEF AT 6 |
| 7360 / | DEF AT local marker foram increase | DEF AT 6 |
| 7660 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 6 |
| 7690 / | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 6 |
| 7720 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 6 |
| 8170 / | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 6 |
| 8290 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 6 |
| 8410 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 9220 / | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 9520 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 6 |
| 12040 / | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 6 |
| 12143 / | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 764 | Date of Summary: 12-JUN-1992 | First Sample Examined: 4655 |
| Lease Number: G08852 | Source of Paleo: OPERATOR | Borehole MD: 12143 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12143 |
| API Well Number: 608174033700 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 2 | Sample Range: 4655 - 12143 | Water Depth: 3252 |
| Public Info Code: Y 13-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4655 / | DEF AT first sample examined | DEF AT |
| 5470 / | DEF AT local marker floral increase | DEF AT |
| 6490 / | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 7480 / | DEF AT local marker floral increase | DEF AT |
| 7600 / | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7750 / | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 8290 / | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 8530 / | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 9070 / | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 9130 / | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 9760 / | POS AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 10000 / | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |
| 10690 / | POS AT Upper Miocene (Tortonian) Catinaster sp. | DEF AT |
| 11380 / | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 11770 / | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 12040 / | DEF AT local marker floral increase | DEF AT |
| 12143 / | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: MC 798 | Date of Summary: 08-SEP-1995 | First Sample Examined: 0 |
| Lease Number: G14654 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8751 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8751 |
| API Well Number: 608174051200 | Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 2720 |
| Public Info Code: Y 18-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6341 / 6341 | DEF AT sequence boundary | DEF AT |
| 6342 / 6342 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 8274 / 8274 | DEF AT sequence boundary | DEF AT |
| 8275 / 8275 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MC 807 | Date of Summary: 01-APR-1999 | First Sample Examined: 8020 |
| Lease Number: G07963 | Source of Paleo: OPERATOR | Borehole MD: 18231 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18170 |
| API Well Number: 608174036200 | Drilling Operator: SHELL DEEPWATER PRODUCTION INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 5150 - 18231 | Water Depth: 3013 |
| Public Info Code: Y 30-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8020 / 8012 | DEF AT first sample examined | POS AT 4 |
| 8380 / 8369 | DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | POS AT 4 |
| 8590 / 8578 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 9010 / 8994 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 9040 / 9024 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 9670 / 9651 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 9790 / 9771 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 10570 / 10550 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 11230 / 11210 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 4 |
| 11890 / 11868 | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 12790 / 12765 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 12820 / 12795 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 16180 / 16122 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |
| 16240 / 16182 | POS AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT 4 |
| 17980 / 17920 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 18231 / 18171 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 852 | Date of Summary: 24-JUN-1991 | First Sample Examined: 5540 |
| Lease Number: G05870 | Source of Paleo: OPERATOR | Borehole MD: 12102 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12093 |
| API Well Number: 608174020700 | Drilling Operator: FOUR STAR OIL & GAS COMPANY | Rkb Elevation: 33 |
| Paleo Report Num: 1 of 2 | Sample Range: 5540 - 12020 | Water Depth: 3530 |
| Public Info Code: Y 11-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5540 / 5537 | DEF AT first sample examined | DEF AT |
| 6020 / 6017 | POS AT Upper Pleistocene (Ionian) Helicosphaera inversa | DEF AT |
| 6320 / 6317 | DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase) | DEF AT |
| 7460 / 7457 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 7550 / 7547 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 7700 / 7697 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 7820 / 7817 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7910 / 7907 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 8510 / 8506 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 8810 / 8805 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 8900 / 8895 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 9220 / 9214 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 9320 / 9314 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 10010 / 10003 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 11300 / 11292 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 11900 / 11892 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 12020 / 12011 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 852 | Date of Summary: 05-MAR-1992 | First Sample Examined: 5000 |
| Lease Number: G05870 | Source of Paleo: OPERATOR | Borehole MD: 12102 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12093 |
| API Well Number: 608174020700 | Drilling Operator: FOUR STAR OIL & GAS COMPANY | Rkb Elevation: 33 |
| Paleo Report Num: 2 of 2 | Sample Range: 5000 - 12080 | Water Depth: 3530 |
| Public Info Code: Y 11-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 4997 | DEF AT first sample examined | DEF AT 3 |
| 6890 / 6887 | DEF AT - - - - - | DEF AT 4 |
| 7459 / 7456 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 7460 / 7457 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 7910 / 7907 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 5 |
| 7940 / 7937 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 8330 / 8326 | DEF AT local marker planktic foram increase | DEF AT 5 |
| 8510 / 8506 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 5 |
| 8840 / 8835 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 8960 / 8954 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 9470 / 9463 | POS AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri | DEF AT 5 |
| 9620 / 9613 | DEF AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri | DEF AT 5 |
| 10010 / 10003 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 10700 / 10693 | DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 5 |
| 10970 / 10962 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 5 |
| 11300 / 11292 | DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left) | DEF AT 5 |
| 11930 / 11922 | DEF AT gypsum | DEF AT 5 |
| 12050 / 12041 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 5 |
| 12080 / 12071 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 941 | Date of Summary: 21-JUL-1991 | First Sample Examined: 5490 |
| Lease Number: G07980 | Source of Paleo: OPERATOR | Borehole MD: 13782 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13248 |
| API Well Number: 608174039700 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 5490 - 13782 | Water Depth: 3862 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5490 / 5490 | DEF AT first sample examined | DEF AT |
| 5491 / 5491 | DEF AT Upper Pleistocene (Ionian) Emiliana huxleyi (base of acme) | DEF AT |
| 6030 / 6030 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 6090 / 6090 | POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT |
| 6600 / 6600 | POS AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase) | DEF AT |
| 7500 / 7500 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 8120 / 8120 | DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT |
| 8780 / 8780 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT |
| 9140 / 9140 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 9226 / 9226 | DEF AT unconformity | DEF AT |
| 9227 / 9227 | DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 9228 / 9228 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 9229 / 9229 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 9230 / 9230 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT |
| 9260 / 9260 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT |
| 9288 / 9288 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 9289 / 9289 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 9290 / 9290 | DEF AT Lower Pliocene (Zanclian) Discoaster variabilis | DEF AT |
| 9560 / 9560 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |
| 9709 / 9709 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT |
| 9710 / 9710 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 9800 / 9800 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 941 | Date of Summary: 21-JUL-1991 | First Sample Examined: 5490 |
| Lease Number: G07980 | Source of Paleo: OPERATOR | Borehole MD: 13782 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13248 |
| API Well Number: 608174039700 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 5490 - 13782 | Water Depth: 3862 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10000 / 10000 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 10250 / 10250 | DEF AT Lower Pliocene (Zanclian) Ceratolithus armatus | DEF AT |
| 10280 / 10280 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 10490 / 10490 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 10610 / 10610 | DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus | DEF AT |
| 10640 / 10640 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |
| 11000 / 10998 | DEF AT reworked material | DEF AT |
| 13782 / | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MC 985 | Date of Summary: 15-JUL-1999 | First Sample Examined: 5810 |
| Lease Number: G09912 | Source of Paleo: OPERATOR | Borehole MD: 9100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8697 |
| API Well Number: 608174083100 | Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 5597 - 9110 | Water Depth: 3990 |
| Public Info Code: Y 26-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Rodan Prospect, company-integrated foram and nanno report derived from Thomas M Reilly and L R Reugger

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 5810 / 5810 | DEF AT first sample examined | DEF AT 3 |
| 5870 / 5869 | POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT 3 |
| 5929 / 5928 | DEF AT reworked material | DEF AT 3 |
| 5930 / 5929 | DEF AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT 3 |
| 6020 / 6018 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF IN 3 |
| 6140 / 6136 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF IN 3 |
| 6649 / 6620 | POS AT reworked material | DEF AT 4 |
| 6650 / 6621 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 4 |
| 7490 / 7345 | DEF AT local marker planktic foram increase | DEF AT 4 |
| 8330 / 8051 | POS IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF IN 3 |
| 8539 / 8224 | POS AT reworked material | DEF AT 4 |
| 8540 / 8225 | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 4 |
| 8930 / 8552 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 9100 / 8697 | DEF AT last sample examined | DEF IN 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 487 | Date of Summary: 22-FEB-1991 | First Sample Examined: 0 |
| Lease Number: G07194 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10899 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9991 |
| API Well Number: 427034036800 | Drilling Operator: ADOBE RESOURCES CORPORATION | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 64 |
| Public Info Code: Y 28-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9985 / 9197 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 487 | Date of Summary: 01-AUG-1989 | First Sample Examined: 0 |
| Lease Number: G07221 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10660 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 9435 |
| API Well Number: 427034037500 | Drilling Operator: TXO PRODUCTION CORP | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 64 |
| Public Info Code: Y 05-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9900 / 8742 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 518 | Date of Summary: 26-MAY-1988 | First Sample Examined: 0 |
| Lease Number: G05169 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16000 |
| API Well Number: 427034031800 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 165 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 65 |
| Public Info Code: Y 01-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12940 / 12934 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 14110 / 14102 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 519 | Date of Summary: 15-JUN-1987 | First Sample Examined: 7010 |
| Lease Number: G06032 | Source of Paleo: OPERATOR | Borehole MD: 16800 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16786 |
| API Well Number: 427034029400 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 2 | Sample Range: 4490 - 16790 | Water Depth: 65 |
| Public Info Code: Y 28-MAR-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7010 / 7009 | DEF AT first sample examined | DEF AT 3 |
| 7040 / 7039 | DEF AT ----- | DEF AT 2 |
| 7430 / 7429 | DEF AT ----- | DEF AT 3 |
| 7460 / 7459 | DEF AT ----- | DEF AT 2 |
| 7520 / 7519 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 8300 / 8299 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 2 |
| 8780 / 8779 | DEF AT ----- | DEF AT 3 |
| 8900 / 8899 | DEF AT ----- | DEF AT 2 |
| 10190 / 10189 | DEF AT ----- | DEF AT 3 |
| 10520 / 10519 | DEF AT ----- | DEF AT 2 |
| 11030 / 11029 | DEF AT ----- | DEF AT 3 |
| 11120 / 11119 | DEF AT ----- | DEF AT 2 |
| 11450 / 11448 | DEF AT ----- | DEF AT 3 |
| 11480 / 11478 | DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT 3 |
| 12080 / 12078 | DEF AT ----- | DEF AT 2 |
| 12800 / 12797 | DEF AT ----- | DEF AT 3 |
| 13280 / 13275 | DEF AT ----- | DEF AT 2 |
| 13370 / 13365 | DEF AT ----- | DEF AT 3 |
| 13460 / 13455 | DEF AT ----- | DEF AT 2 |
| 14120 / 14115 | DEF AT ----- | DEF AT 3 |
| 14270 / 14265 | DEF AT ----- | DEF AT 2 |
| 14450 / 14445 | DEF AT ----- | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 519 | Date of Summary: 15-JUN-1987 | First Sample Examined: 7010 |
| Lease Number: G06032 | Source of Paleo: OPERATOR | Borehole MD: 16800 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16786 |
| API Well Number: 427034029400 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 2 | Sample Range: 4490 - 16790 | Water Depth: 65 |
| Public Info Code: Y 28-MAR-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------------|----------------|
| 14630 / 14624 | DEF AT ----- | DEF AT 2 |
| 15170 / 15162 | DEF AT ----- | DEF AT 3 |
| 15200 / 15192 | DEF AT ----- | DEF AT 2 |
| 15380 / 15371 | DEF AT poor sample interval top | POS AT 2 |
| 16789 / 16775 | DEF AT poor sample interval bottom | POS AT 2 |
| 16790 / 16776 | DEF AT last sample examined | POS AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 527 | Date of Summary: 01-NOV-1999 | First Sample Examined: 0 |
| Lease Number: G04137 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12425 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 10892 |
| API Well Number: 427034016300 | Drilling Operator: EOG RESOURCES INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 72 |
| Public Info Code: Y 26-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5180 / 4625 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6110 / 5392 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8450 / 7264 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9020 / 7720 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 555 | Date of Summary: 28-JUN-1983 | First Sample Examined: 7000 |
| Lease Number: G03079 | Source of Paleo: OPERATOR | Borehole MD: 10410 |
| Well Name: C001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10108 |
| API Well Number: 427034019200 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 9460 | Water Depth: 75 |
| Public Info Code: Y 07-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7000 / 6766 | DEF AT first sample examined | DEF AT 4 |
| 7001 / 6767 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT 4 |
| 7090 / 6853 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 4 |
| 7770 / 7516 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 4 |
| 8380 / 8111 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 4 |
| 8890 / 8613 | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 5 |
| 9460 / 9176 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 557 | Date of Summary: 06-AUG-1987 | First Sample Examined: 0 |
| Lease Number: G04137 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12897 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10008 |
| API Well Number: 427034005900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 74 |
| Public Info Code: Y 26-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 6610 / 5234 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6880 / 5435 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8350 / 6532 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8530 / 6666 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 9130 / 7104 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9730 / 7528 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 567 | Date of Summary: 26-MAY-1989 | First Sample Examined: 0 |
| Lease Number: G04700 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11947 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10747 |
| API Well Number: 427034026600 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 23-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 6360 / 5398 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6480 / 5491 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7230 / 6116 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8130 / 6959 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 8490 / 7310 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9150 / 7962 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 567 | Date of Summary: 04-APR-1989 | First Sample Examined: 7710 |
| Lease Number: G04700 | Source of Paleo: OPERATOR | Borehole MD: 9250 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9250 |
| API Well Number: 427034026700 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 7710 - 9250 | Water Depth: 84 |
| Public Info Code: Y 23-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7710 / 7708 | DEF AT first sample examined | DEF AT 3 |
| 7711 / 7709 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 8010 / 8008 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 9250 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 567 | Date of Summary: 14-JAN-1997 | First Sample Examined: 0 |
| Lease Number: G15714 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9265 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8732 |
| API Well Number: 427034049900 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 82 |
| Public Info Code: Y 09-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 5210 / 5209 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 5510 / 5509 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6280 / 6278 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7300 / 7255 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 7830 / 7698 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 568 | Date of Summary: 21-JUN-1984 | First Sample Examined: 9000 |
| Lease Number: G04541 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10458 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 9481 |
| API Well Number: 427034022301 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 78 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9060 / 8084 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 568 | Date of Summary: 29-DEC-1988 | First Sample Examined: 0 |
| Lease Number: G04541 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12788 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 9510 |
| API Well Number: 427034021000 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 84 |
| Public Info Code: Y 17-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6140 / 5010 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 6830 / 5479 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7760 / 6103 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 9020 / 6914 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 9200 / 7042 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 12020 / 8965 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 587 | Date of Summary: 31-OCT-1988 | First Sample Examined: 0 |
| Lease Number: G04996 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7555 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7555 |
| API Well Number: 427034030100 | Drilling Operator: MATAGORDA ISLAND DEVELOPMENT | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 87 |
| Public Info Code: Y 02-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5550 / 5550 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6230 / 6230 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 587 | Date of Summary: 21-FEB-1997 | First Sample Examined: 0 |
| Lease Number: G04996 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8180 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7262 |
| API Well Number: 427034033200 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 88 |
| Public Info Code: Y 10-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6070 / 5482 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6940 / 6208 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 588 | Date of Summary: 04-FEB-1987 | First Sample Examined: 0 |
| Lease Number: G04997 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11042 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10051 |
| API Well Number: 427034029600 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 82 |
| Public Info Code: Y 27-JAN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 5230 / 5225 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 5500 / 5485 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6220 / 6140 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 6940 / 6731 | DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT |
| 7420 / 7136 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 8230 / 7837 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9670 / 8962 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 10630 / 9720 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 588 | Date of Summary: 23-MAY-1999 | First Sample Examined: 0 |
| Lease Number: G04997 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11762 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 11250 |
| API Well Number: 427034030300 | Drilling Operator: EOG RESOURCES INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 29-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 6000 / 5851 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6360 / 6188 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7500 / 7253 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 7980 / 7695 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8180 / 7875 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 10590 / 10097 | DEF AT - - - - - | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 588 | Date of Summary: 18-JUL-1988 | First Sample Examined: 4530 |
| Lease Number: G04997 | Source of Paleo: OPERATOR | Borehole MD: 10354 |
| Well Name: 004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10354 |
| API Well Number: 427034032700 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 4530 - 10350 | Water Depth: 86 |
| Public Info Code: Y 14-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 4530 / | DEF AT first sample examined | DEF IN 2 |
| 4800 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 5550 / | DEF AT - - - - | DEF AT 3 |
| 5670 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 5790 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 6540 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 7470 / | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 3 |
| 7800 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 8220 / | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 9330 / | DEF AT sample gap top | DEF AT |
| 9420 / | DEF AT sample gap bottom | DEF AT |
| 9750 / | DEF IN Lower Miocene (Aquitanean) Lenticulina jeffersonensis | DEF AT 4 |
| 10290 / | DEF AT Upper Oligocene (Chattian) Robulus "A" | DEF AT 4 |
| 10350 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 589 | Date of Summary: 12-APR-1989 | First Sample Examined: 0 |
| Lease Number: G10196 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9260 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9260 |
| API Well Number: 427034035400 | Drilling Operator: ENRON CORP | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 82 |
| Public Info Code: Y 05-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5420 / 5420 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6200 / 6200 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8150 / 8148 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: MI 589 | Date of Summary: 07-DEC-1989 | First Sample Examined: 6900 |
| Lease Number: G10196 | Source of Paleo: OPERATOR | Borehole MD: 11171 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10137 |
| API Well Number: 427034036000 | Drilling Operator: ENRON CORP | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 6900 - 10160 | Water Depth: 83 |
| Public Info Code: Y 02-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6900 / 6899 | DEF AT first sample examined | DEF AT 4 |
| 7000 / 6999 | DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 4 |
| 7360 / 7359 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 4 |
| 7930 / 7929 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 4 |
| 10160 / 10127 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 600 | Date of Summary: 15-MAR-1991 | First Sample Examined: 0 |
| Lease Number: G11259 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12550 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12532 |
| API Well Number: 427034042800 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 79 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4417 / 4417 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 4720 / 4720 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 4916 / 4916 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 5363 / 5363 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 6438 / 6436 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 6699 / 6697 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 9950 / 9942 | DEF AT Lower Miocene (Aquitanian) Siphonina davis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 602 | Date of Summary: 09-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G11261 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13525 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13504 |
| API Well Number: 427034048600 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 16-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4770 / 4770 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 5520 / 5520 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 6684 / 6684 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 9240 / 9239 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 603 | Date of Summary: 14-FEB-1990 | First Sample Examined: 0 |
| Lease Number: G10197 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9350 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9350 |
| API Well Number: 427034038500 | Drilling Operator: TAYLOR ENERGY COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 92 |
| Public Info Code: Y 30-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7690 / 7690 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 603 | Date of Summary: 15-FEB-1990 | First Sample Examined: 0 |
| Lease Number: G10197 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9366 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9121 |
| API Well Number: 427034039300 | Drilling Operator: TAYLOR ENERGY COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 92 |
| Public Info Code: Y 30-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8088 / 7847 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 603 | Date of Summary: 19-FEB-1990 | First Sample Examined: 0 |
| Lease Number: G10197 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9020 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 8956 |
| API Well Number: 427034039701 | Drilling Operator: TAYLOR ENERGY COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 88 |
| Public Info Code: Y 30-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7774 / 7713 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 604 | Date of Summary: 13-FEB-1990 | First Sample Examined: 0 |
| Lease Number: G06037 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9115 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9114 |
| API Well Number: 427034022400 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 87 |
| Public Info Code: Y 24-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 4943 / 4943 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 5450 / 5450 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6090 / 6090 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6570 / 6569 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7680 / 7679 | DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT |
| 8190 / 8189 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 8940 / 8939 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 604 | Date of Summary: 29-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G06037 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11590 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11585 |
| API Well Number: 427034025800 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 90 |
| Public Info Code: Y 03-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 5660 / 5660 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6680 / 6680 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7730 / 7729 | DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT |
| 8420 / 8419 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 9110 / 9109 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 10960 / 10958 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 604 | Date of Summary: 20-JUN-1985 | First Sample Examined: 0 |
| Lease Number: G06037 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8185 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 8185 |
| API Well Number: 427034026200 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 88 |
| Public Info Code: Y 23-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6600 / 6600 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7500 / 7500 | DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT |
| 8110 / 8110 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 604 | Date of Summary: 05-SEP-1988 | First Sample Examined: 0 |
| Lease Number: G06037 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10725 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 8756 |
| API Well Number: 427034027700 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 85 |
| Public Info Code: Y 30-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 5270 / 5017 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 5360 / 5081 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6090 / 5573 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7290 / 6374 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 7680 / 6636 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8400 / 7119 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 10530 / 8615 | DEF AT Lower Miocene (Burdigalian) Gyroidina 8 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 604 | Date of Summary: 17-OCT-1988 | First Sample Examined: 0 |
| Lease Number: G06037 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9350 |
| Well Name: 006 | Paleo Done By: OPERATOR | Borehole TVD: 9348 |
| API Well Number: 427034033500 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 84 |
| Public Info Code: Y 10-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4320 / 4320 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 4890 / 4890 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 5700 / 5700 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6450 / 6450 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 6510 / 6510 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 7230 / 7229 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 604 | Date of Summary: 06-FEB-2001 | First Sample Examined: 0 |
| Lease Number: G06037 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9100 |
| Well Name: 007 | Paleo Done By: OPERATOR | Borehole TVD: 9095 |
| API Well Number: 427034034000 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 88 |
| Public Info Code: Y 10-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5060 / 5060 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 5644 / 5643 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 6160 / 6159 | DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT |
| 6490 / 6489 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 6700 / 6699 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 7390 / 7388 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 604 | Date of Summary: 09-DEC-1999 | First Sample Examined: 0 |
| Lease Number: G06037 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9925 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9287 |
| API Well Number: 427034037700 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 86 |
| Public Info Code: Y 15-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4590 / 4350 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 5370 / 5053 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 6180 / 5789 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6270 / 5871 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7050 / 6584 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8280 / 7715 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: MI 604 | Date of Summary: 26-JAN-2001 | First Sample Examined: 0 |
| Lease Number: G06037 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9850 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 9845 |
| API Well Number: 427034036900 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 88 |
| Public Info Code: Y 29-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4590 / 4590 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 5370 / 5370 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 6180 / 6179 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6270 / 6269 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7050 / 7048 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8280 / 8277 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 605 | Date of Summary: 12-DEC-1995 | First Sample Examined: 0 |
| Lease Number: G07199 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8505 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7462 |
| API Well Number: 427034030000 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 99 |
| Public Info Code: Y 29-MAR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5460 / 4711 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 6270 / 5369 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6720 / 5759 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7470 / 6455 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8160 / 7124 | DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 605 | Date of Summary: 29-SEP-1987 | First Sample Examined: 0 |
| Lease Number: G07199 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7582 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7019 |
| API Well Number: 427034031100 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 89 |
| Public Info Code: Y 11-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6470 / 5905 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6830 / 6265 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7490 / 6925 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 605 | Date of Summary: 14-JUN-1989 | First Sample Examined: 0 |
| Lease Number: G07200 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8178 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 7500 |
| API Well Number: 427034036200 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 99 |
| Public Info Code: Y 24-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 5780 / 5350 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6390 / 5887 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7010 / 6441 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7750 / 7113 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 605 | Date of Summary: 12-APR-1989 | First Sample Examined: 0 |
| Lease Number: G07200 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9050 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7166 |
| API Well Number: 427034031200 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 89 |
| Public Info Code: Y 18-SEP-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 6160 / 4881 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 6640 / 5207 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 7090 / 5536 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7900 / 6199 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8710 / 6908 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 605 | Date of Summary: 28-AUG-1989 | First Sample Examined: 0 |
| Lease Number: G07200 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13200 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 7503 |
| API Well Number: 427034034800 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 87 |
| Public Info Code: Y 20-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|---------|
| 7500 / 5469 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 7640 / 5566 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8400 / 6104 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 9200 / 6669 | DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT |
| 10020 / 7232 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 10400 / 7498 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 606 | Date of Summary: 27-NOV-1995 | First Sample Examined: 0 |
| Lease Number: G07200 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8653 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 7236 |
| API Well Number: 427034034300 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 89 |
| Public Info Code: Y 30-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5960 / 5066 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 6260 / 5298 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 7460 / 6245 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8540 / 7142 | DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 617 | Date of Summary: 05-DEC-1995 | First Sample Examined: 0 |
| Lease Number: G12436 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11086 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7949 |
| API Well Number: 427034049200 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 105 |
| Public Info Code: Y 02-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6420 / 5507 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 7700 / 6174 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10150 / 7456 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 618 | Date of Summary: 16-AUG-1990 | First Sample Examined: 4470 |
| Lease Number: G07201 | Source of Paleo: OPERATOR | Borehole MD: 7778 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7778 |
| API Well Number: 427034039500 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 1230 - 7710 | Water Depth: 97 |
| Public Info Code: Y 09-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 4470 / | DEF AT first sample examined | DEF AT 1 |
| 4471 / | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 4710 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 4770 / | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 1 |
| 4890 / | DEF AT - - - - - | DEF AT 2 |
| 5430 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 5760 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 6570 / | DEF AT - - - - - | DEF AT 3 |
| 6600 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 7200 / | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 3 |
| 7710 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 618 | Date of Summary: 01-AUG-1990 | First Sample Examined: 7560 |
| Lease Number: G07201 | Source of Paleo: OPERATOR | Borehole MD: 8900 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7344 |
| API Well Number: 427034039501 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 7560 - 8880 | Water Depth: 97 |
| Public Info Code: Y 21-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7560 / 6534 | DEF AT first sample examined | DEF AT 3 |
| 7920 / 6738 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 8880 / 7332 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 619 | Date of Summary: 15-MAR-1989 | First Sample Examined: 3600 |
| Lease Number: G03086 | Source of Paleo: OPERATOR | Borehole MD: 8482 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8479 |
| API Well Number: 427034034700 | Drilling Operator: TAYLOR ENERGY COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 3600 - 8450 | Water Depth: 94 |
| Public Info Code: Y 17-FEB-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3600 / 3600 | DEF AT first sample examined | DEF AT 1 |
| 4980 / 4979 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 5130 / 5129 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 1 |
| 6540 / 6538 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 1 |
| 7380 / 7377 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 1 |
| 8250 / 8247 | DEF AT - - - - - | DEF IN 2 |
| 8450 / 8447 | DEF AT last sample examined | DEF IN 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 620 | Date of Summary: 26-MAR-1998 | First Sample Examined: 0 |
| Lease Number: G03087 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10626 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9004 |
| API Well Number: 427034034600 | Drilling Operator: ENRON CORP | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 97 |
| Public Info Code: Y 21-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5505 / 5098 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6240 / 5652 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7805 / 6839 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8615 / 7436 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 620 | Date of Summary: 30-NOV-1990 | First Sample Examined: 0 |
| Lease Number: G03087 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9230 |
| Well Name: C004 | Paleo Done By: OPERATOR | Borehole TVD: 9229 |
| API Well Number: 427034037100 | Drilling Operator: ENRON CORP | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 92 |
| Public Info Code: Y 15-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6200 / 6199 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 622 | Date of Summary: 13-AUG-1986 | First Sample Examined: 8490 |
| Lease Number: G05000 | Source of Paleo: OPERATOR | Borehole MD: 14300 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 14294 |
| API Well Number: 427034020500 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 5700 - 12300 | Water Depth: 85 |
| Public Info Code: Y 06-FEB-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 8490 / 8490 | DEF AT first sample examined | DEF AT 2 |
| 8880 / 8880 | DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT 3 |
| 10110 / 10109 | DEF AT - - - - - | DEF AT 4 |
| 11160 / 11159 | DEF AT Lower Miocene (Aquitanian) Siphonina davisi | DEF AT 4 |
| 11400 / 11399 | DEF AT - - - - - | DEF IN 3 |
| 12000 / 11999 | DEF AT - - - - - | DEF AT 2 |
| 12300 / 12298 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 622 | Date of Summary: 13-AUG-1986 | First Sample Examined: 7000 |
| Lease Number: G05000 | Source of Paleo: OPERATOR | Borehole MD: 13761 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 13761 |
| API Well Number: 427034023200 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 13761 | Water Depth: 84 |
| Public Info Code: Y 25-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7000 / | DEF AT first sample examined | DEF AT 2 |
| 7001 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 8560 / | DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT 3 |
| 10360 / | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 10660 / | DEF AT - - - - - | DEF AT 2 |
| 13540 / | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT 2 |
| 13690 / | DEF AT - - - - - | DEF AT 4 |
| 13761 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 623 | Date of Summary: 04-APR-1985 | First Sample Examined: 0 |
| Lease Number: G03088 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12975 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 12617 |
| API Well Number: 427034020300 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 06-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6320 / 6044 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 6804 / 6502 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 7379 / 7051 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 9994 / 9653 | DEF IN Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MI 633 | Date of Summary: 21-JAN-1986 | First Sample Examined: 3000 |
| Lease Number: G06042 | Source of Paleo: OPERATOR | Borehole MD: 7600 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7600 |
| API Well Number: 427034028100 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 7600 | Water Depth: 75 |
| Public Info Code: Y 17-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3000 / | DEF AT first sample examined | DEF IN 2 |
| 4170 / | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF IN 2 |
| 6840 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF IN 2 |
| 7290 / | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 7600 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 633 | Date of Summary: 01-DEC-1988 | First Sample Examined: 0 |
| Lease Number: G06042 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8246 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 8242 |
| API Well Number: 427034033600 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 25-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7398 / | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 634 | Date of Summary: 08-MAR-1989 | First Sample Examined: 4770 |
| Lease Number: G07202 | Source of Paleo: OPERATOR | Borehole MD: 13936 |
| Well Name: F001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12267 |
| API Well Number: 427034034200 | Drilling Operator: SANTA FE MINERALS INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 3 | Sample Range: 4700 - 8770 | Water Depth: 80 |
| Public Info Code: Y 05-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 4770 / 4770 | DEF AT first sample examined | DEF AT 2 |
| 4771 / 4771 | DEF IN Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 5800 / 5799 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 6310 / 6309 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 7690 / 7656 | DEF AT - - - - - | DEF AT 3 |
| 7720 / 7684 | DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT 3 |
| 8020 / 7954 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 8770 / 8555 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 634 | Date of Summary: 08-MAR-1989 | First Sample Examined: 8020 |
| Lease Number: G07202 | Source of Paleo: OPERATOR | Borehole MD: 13936 |
| Well Name: F001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12267 |
| API Well Number: 427034034200 | Drilling Operator: SANTA FE MINERALS INC | Rkb Elevation: 83 |
| Paleo Report Num: 2 of 3 | Sample Range: 8020 - 11080 | Water Depth: 80 |
| Public Info Code: Y 05-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8020 / 7954 | DEF AT first sample examined | DEF AT 3 |
| 8260 / 8159 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 8980 / 8712 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 11080 / 10262 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 634 | Date of Summary: 08-MAR-1989 | First Sample Examined: 8740 |
| Lease Number: G07202 | Source of Paleo: OPERATOR | Borehole MD: 13936 |
| Well Name: F001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12267 |
| API Well Number: 427034034200 | Drilling Operator: SANTA FE MINERALS INC | Rkb Elevation: 83 |
| Paleo Report Num: 3 of 3 | Sample Range: 8740 - 13930 | Water Depth: 80 |
| Public Info Code: Y 05-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 004 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8740 / 8533 | DEF AT first sample examined | DEF AT 3 |
| 8830 / 8599 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 12580 / 11288 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 13930 / 12262 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 634 | Date of Summary: 22-NOV-1989 | First Sample Examined: 4754 |
| Lease Number: G07202 | Source of Paleo: OPERATOR | Borehole MD: 10055 |
| Well Name: F002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9887 |
| API Well Number: 427034038700 | Drilling Operator: SANTA FE MINERALS INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 4754 - 10055 | Water Depth: 81 |
| Public Info Code: Y 21-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4754 / 4749 | DEF AT first sample examined | DEF AT 2 |
| 4755 / 4750 | DEF IN Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 5810 / 5805 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 6170 / 6165 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 7640 / 7634 | DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT 2 |
| 8420 / 8413 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 2 |
| 9470 / 9421 | POS AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 2 |
| 10055 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 635 | Date of Summary: 29-DEC-1988 | First Sample Examined: 0 |
| Lease Number: G06043 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14318 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14318 |
| API Well Number: 427034032900 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 8000 - 13520 | Water Depth: 70 |
| Public Info Code: Y 18-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9050 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 11270 / | DEF AT Lower Miocene (Aquitanian) Siphonina davis | DEF AT |
| 13132 / | DEF IN Lower Miocene (Aquitanian) Siphonina davis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 638 | Date of Summary: 28-NOV-1989 | First Sample Examined: 0 |
| Lease Number: G06044 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11550 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9395 |
| API Well Number: 427034033800 | Drilling Operator: ENRON CORP | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 96 |
| Public Info Code: Y 21-FEB-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5400 / 5111 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6190 / 5662 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7870 / 6829 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8720 / 7422 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: MI 638 | Date of Summary: 10-NOV-1993 | First Sample Examined: 0 |
| Lease Number: G06044 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11418 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 8988 |
| API Well Number: 427034035500 | Drilling Operator: ENRON CORP | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 96 |
| Public Info Code: Y 10-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5650 / 5100 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6460 / 5658 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8200 / 6877 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9070 / 7482 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 638 | Date of Summary: 29-APR-1996 | First Sample Examined: 0 |
| Lease Number: G06044 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10250 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 9247 |
| API Well Number: 427034036600 | Drilling Operator: ENRON CORP | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 96 |
| Public Info Code: Y 09-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5605 / 5147 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6254 / 5702 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7709 / 6965 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8370 / 7549 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 638 | Date of Summary: 01-OCT-1997 | First Sample Examined: 0 |
| Lease Number: G06044 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9973 |
| Well Name: D001 | Paleo Done By: OPERATOR | Borehole TVD: 8000 |
| API Well Number: 427034032600 | Drilling Operator: ENRON CORP | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 105 |
| Public Info Code: Y 18-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7090 / 5837 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8530 / 6906 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 638 | Date of Summary: 10-JUN-1989 | First Sample Examined: 0 |
| Lease Number: G08996 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10900 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 10224 |
| API Well Number: 427034037000 | Drilling Operator: ENRON CORP | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 101 |
| Public Info Code: Y 21-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5470 / 5161 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6135 / 5742 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8175 / 7602 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 640 | Date of Summary: 15-AUG-1990 | First Sample Examined: 0 |
| Lease Number: G11263 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9200 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9199 |
| API Well Number: 427034042200 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 117 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5800 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6340 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8500 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 641 | Date of Summary: 21-AUG-1990 | First Sample Examined: 0 |
| Lease Number: G11264 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10705 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9564 |
| API Well Number: 427034042400 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 115 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4900 / 4900 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 6900 / 6765 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 650 | Date of Summary: 28-OCT-1993 | First Sample Examined: 0 |
| Lease Number: G08998 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9125 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 9125 |
| API Well Number: 427034046400 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 117 |
| Public Info Code: Y 07-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6242 / 6241 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7285 / 7284 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 650 | Date of Summary: 15-FEB-1989 | First Sample Examined: 0 |
| Lease Number: G08998 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9009 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7550 |
| API Well Number: 427034032100 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 123 |
| Public Info Code: Y 23-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8050 / 6856 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 650 | Date of Summary: 27-APR-1989 | First Sample Examined: 0 |
| Lease Number: G08998 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8500 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 8500 |
| API Well Number: 427034035600 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 117 |
| Public Info Code: Y 07-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7105 / 7105 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 650 | Date of Summary: 31-JAN-1997 | First Sample Examined: 0 |
| Lease Number: G08998 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8140 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 7744 |
| API Well Number: 427034038900 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 120 |
| Public Info Code: Y 07-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6250 / 5952 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7380 / 7027 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 651 | Date of Summary: 01-OCT-1984 | First Sample Examined: 0 |
| Lease Number: G06045 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11149 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11036 |
| API Well Number: 427034023600 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 103 |
| Public Info Code: Y 19-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3400 / 3400 | POS AT Miocene | DEF AT |
| 4000 / 4000 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6600 / 6599 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7700 / 7699 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 651 | Date of Summary: 14-APR-1989 | First Sample Examined: 0 |
| Lease Number: G06045 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11328 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 10382 |
| API Well Number: 427034035000 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 07-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6570 / 6390 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7760 / 7416 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8790 / 8275 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 651 | Date of Summary: 06-AUG-1990 | First Sample Examined: 0 |
| Lease Number: G06045 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10943 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 10661 |
| API Well Number: 427034035800 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 12-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6223 / 6062 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7195 / 7005 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8485 / 8258 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: MI 651 | Date of Summary: 19-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G06045 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10710 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 10480 |
| API Well Number: 427034039000 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 100 |
| Public Info Code: Y 07-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6323 / 6202 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7634 / 7487 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 652 | Date of Summary: 04-AUG-1997 | First Sample Examined: 0 |
| Lease Number: G06048 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13741 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 10735 |
| API Well Number: 427034050900 | Drilling Operator: BARRETT RESOURCES CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 138 |
| Public Info Code: Y 27-FEB-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5710 / 5696 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9450 / 8305 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 654 | Date of Summary: 21-AUG-1984 | First Sample Examined: 0 |
| Lease Number: G04546 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13008 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 12979 |
| API Well Number: 427034023300 | Drilling Operator: OXY USA INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 82 |
| Public Info Code: Y 30-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4870 / 4869 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6100 / 6097 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 6550 / 6547 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 10210 / 10198 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 654 | Date of Summary: 10-OCT-1995 | First Sample Examined: 0 |
| Lease Number: G04546 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13095 |
| Well Name: F001 | Paleo Done By: OPERATOR | Borehole TVD: 12733 |
| API Well Number: 427034031300 | Drilling Operator: OXY USA INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 96 |
| Public Info Code: Y 06-DEC-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5410 / 5264 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT |
| 7383 / 7093 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9552 / 9191 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 10814 / 10452 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 654 | Date of Summary: 02-FEB-1984 | First Sample Examined: 4607 |
| Lease Number: G04546 | Source of Paleo: OPERATOR | Borehole MD: 14259 |
| Well Name: H001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 14245 |
| API Well Number: 427034019700 | Drilling Operator: CANADIANOXY OFFSHORE PRODUCTIO | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 4607 - 14220 | Water Depth: 85 |
| Public Info Code: Y 08-FEB-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 4607 / 4607 | DEF AT first sample examined | DEF AT 1 |
| 4980 / 4980 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 1 |
| 5280 / 5280 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 1 |
| 6360 / 6360 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 6390 / 6390 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 6900 / 6900 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 7140 / 7140 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 7560 / 7560 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 7710 / 7710 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 10020 / 10019 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 10050 / 10049 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 2 |
| 10890 / 10887 | DEF AT Lower Miocene (Burdigalian) Gyroidina 8 | DEF AT 2 |
| 11070 / 11067 | DEF AT Lower Miocene (Aquitanian) Siphonina davisi | DEF AT 2 |
| 11430 / 11427 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 14220 / 14207 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 657 | Date of Summary: 22-MAY-1984 | First Sample Examined: 0 |
| Lease Number: G04139 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5600 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 5600 |
| API Well Number: 427034021800 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 05-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4130 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 5305 / | DEF AT local marker benthic foram increase | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 667 | Date of Summary: 02-NOV-1994 | First Sample Examined: 4500 |
| Lease Number: G11267 | Source of Paleo: OPERATOR | Borehole MD: 13300 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13299 |
| API Well Number: 427034048200 | Drilling Operator: SANTA FE MINERALS INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 13290 | Water Depth: 90 |
| Public Info Code: Y 29-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4500 / 4500 | DEF AT first sample examined | DEF AT 2 |
| 4890 / 4890 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 5250 / 5250 | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 2 |
| 5520 / 5520 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 6240 / 6240 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 6300 / 6300 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 6600 / 6600 | POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis | DEF AT 3 |
| 8370 / 8370 | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 3 |
| 10320 / 10319 | DEF AT Lower Miocene (Burdigalian) Gyroidina 8 | DEF AT 4 |
| 10590 / 10589 | DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi | DEF AT 4 |
| 10950 / 10949 | DEF AT Lower Miocene (Aquitanean) Siphonina davisii | DEF AT 4 |
| 13290 / 13289 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: MI 667 | Date of Summary: 22-NOV-1994 | First Sample Examined: 11085 |
| Lease Number: G11267 | Source of Paleo: OPERATOR | Borehole MD: 13784 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13608 |
| API Well Number: 427034048201 | Drilling Operator: SANTA FE MINERALS INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 11085 - 13784 | Water Depth: 90 |
| Public Info Code: Y 29-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11085 / 11084 | DEF AT first sample examined | DEF AT 3 |
| 11150 / 11149 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 12110 / 12085 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 12130 / 12104 | DEF AT sample gap top | DEF AT 3 |
| 13310 / 13190 | DEF AT sample gap bottom | DEF AT 3 |
| 13784 / 13608 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 669 | Date of Summary: 02-SEP-1994 | First Sample Examined: 0 |
| Lease Number: G04065 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13822 |
| Well Name: A006 | Paleo Done By: OPERATOR | Borehole TVD: 12600 |
| API Well Number: 427034022100 | Drilling Operator: OXY USA INC | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 96 |
| Public Info Code: Y 27-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5260 / 5248 | POS AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7136 / 6888 | POS AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 10078 / 9392 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 11104 / 10278 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 669 | Date of Summary: 30-DEC-1985 | First Sample Examined: 0 |
| Lease Number: G04065 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13911 |
| Well Name: D001 | Paleo Done By: OPERATOR | Borehole TVD: 12158 |
| API Well Number: 427034021900 | Drilling Operator: OXY USA INC | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 108 |
| Public Info Code: Y 14-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10410 / 9147 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 11633 / 10198 | DEF IN Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 669 | Date of Summary: 29-NOV-1984 | First Sample Examined: 0 |
| Lease Number: G04065 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13301 |
| Well Name: E001 | Paleo Done By: OPERATOR | Borehole TVD: 12625 |
| API Well Number: 427034024200 | Drilling Operator: OXY USA INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 96 |
| Public Info Code: Y 14-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9756 / 9374 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 10774 / 10306 | DEF IN Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 669 | Date of Summary: 26-MAR-1998 | First Sample Examined: 0 |
| Lease Number: G04545 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13047 |
| Well Name: E004 | Paleo Done By: OPERATOR | Borehole TVD: 12872 |
| API Well Number: 427034026500 | Drilling Operator: OXY USA INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 90 |
| Public Info Code: Y 18-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5186 / 5186 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6970 / 6933 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 10100 / 9955 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 11100 / 10927 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 670 | Date of Summary: 26-FEB-1990 | First Sample Examined: 0 |
| Lease Number: G06048 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11154 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 10172 |
| API Well Number: 427034040300 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 136 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 115 |
| Public Info Code: Y 27-FEB-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6354 / 6069 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7765 / 7239 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 10080 / 9232 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: MI 670 | Date of Summary: 19-AUG-1999 | First Sample Examined: 0 |
| Lease Number: G06048 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9795 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9786 |
| API Well Number: 427034024000 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 114 |
| Public Info Code: Y 28-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5953 / 5947 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7151 / 7145 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 670 | Date of Summary: 17-FEB-1990 | First Sample Examined: 8140 |
| Lease Number: G06048 | Source of Paleo: OPERATOR | Borehole MD: 10622 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9999 |
| API Well Number: 427034038300 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 128 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 10622 | Water Depth: 114 |
| Public Info Code: Y 27-FEB-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8140 / 7520 | DEF AT first sample examined | DEF AT 2 |
| 8141 / 7521 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 8890 / 8270 | POS IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 9130 / 8509 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 2 |
| 10090 / 9468 | DEF AT - - - - - | DEF AT 1 |
| 10622 / 9999 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 672 | Date of Summary: 02-AUG-1990 | First Sample Examined: 0 |
| Lease Number: G10198 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7850 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 7850 |
| API Well Number: 427034038600 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 126 |
| Public Info Code: Y 19-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5940 / 5939 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7080 / 7079 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 672 | Date of Summary: 24-JUL-1990 | First Sample Examined: 0 |
| Lease Number: G10198 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8651 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 7800 |
| API Well Number: 427034039100 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 126 |
| Public Info Code: Y 04-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6534 / 5934 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7816 / 7064 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 672 | Date of Summary: 07-AUG-1989 | First Sample Examined: 0 |
| Lease Number: G10198 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12258 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 11795 |
| API Well Number: 427034036400 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 125 |
| Public Info Code: Y 22-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5904 / 5903 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7006 / 6996 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 672 | Date of Summary: 07-AUG-1989 | First Sample Examined: 0 |
| Lease Number: G10198 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8890 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 7989 |
| API Well Number: 427034037300 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 125 |
| Public Info Code: Y 15-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6605 / 5984 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7950 / 7162 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 672 | Date of Summary: 05-SEP-1989 | First Sample Examined: 0 |
| Lease Number: G10198 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8780 |
| Well Name: B003 | Paleo Done By: OPERATOR | Borehole TVD: 7841 |
| API Well Number: 427034037600 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 124 |
| Public Info Code: Y 29-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6600 / 5921 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7910 / 7070 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 672 | Date of Summary: 19-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G11268 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9445 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7815 |
| API Well Number: 427034039400 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 126 |
| Public Info Code: Y 24-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6857 / 5895 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8350 / 7074 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 672 | Date of Summary: 19-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G11268 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10946 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7968 |
| API Well Number: 427034039800 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 126 |
| Public Info Code: Y 11-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7854 / 5958 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9650 / 7150 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 680 | Date of Summary: 07-MAR-1997 | First Sample Examined: 0 |
| Lease Number: G13289 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13000 |
| API Well Number: 427034050500 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 138 |
| Public Info Code: Y 10-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6360 / 6360 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8797 / 8796 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 11720 / 11718 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|------------------------------------|
| Area Block: MI 682 | Date of Summary: 25-APR-1984 | First Sample Examined: 4790 |
| Lease Number: G05171 | Source of Paleo: OPERATOR | Borehole MD: 9210 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8586 |
| API Well Number: 427034022500 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 4790 - 9210 | Water Depth: 127 |
| Public Info Code: Y 27-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5111 / 5111 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 6190 / 6152 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7390 / 7217 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 682 | Date of Summary: 04-DEC-1996 | First Sample Examined: 0 |
| Lease Number: G06048 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8375 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 7750 |
| API Well Number: 427034043000 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 119 |
| Public Info Code: Y 27-FEB-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7800 / 7225 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 686 | Date of Summary: 21-AUG-1984 | First Sample Examined: 2675 |
| Lease Number: G03108 | Source of Paleo: OPERATOR | Borehole MD: 14512 |
| Well Name: 010 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11279 |
| API Well Number: 427034022900 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 2675 - 14510 | Water Depth: 93 |
| Public Info Code: Y 20-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2675 / 2675 | DEF AT first sample examined | DEF AT 2 |
| 4730 / 4540 | DEF AT sample gap top | POS AT 2 |
| 7739 / 6701 | DEF AT sample gap bottom | DEF AT 2 |
| 7740 / 6702 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 9540 / 8065 | DEF AT - - - - - | DEF AT 4 |
| 9670 / 8160 | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 4 |
| 9820 / 8263 | DEF AT - - - - - | DEF AT 3 |
| 10930 / 8982 | DEF AT Lower Miocene (Burdigalian) Gyroidina 8 | DEF AT 4 |
| 11290 / 9196 | DEF AT - - - - - | DEF AT 3 |
| 11350 / 9231 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 14510 / 11278 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 700 | Date of Summary: 21-NOV-1984 | First Sample Examined: 3983 |
| Lease Number: G03108 | Source of Paleo: OPERATOR | Borehole MD: 13922 |
| Well Name: 012 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 12144 |
| API Well Number: 427034025000 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 3983 - 13880 | Water Depth: 93 |
| Public Info Code: Y 16-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 3983 / 3534 | DEF AT first sample examined | DEF AT 2 |
| 5170 / 4403 | DEF AT - - - - - | DEF AT 3 |
| 5200 / 4426 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 3 |
| 5650 / 4773 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 7280 / 6105 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 7820 / 6534 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 9829 / 8276 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 9830 / 8277 | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 3 |
| 10720 / 9084 | DEF AT Lower Miocene (Burdigalian) Gyroidina 8 | DEF AT 4 |
| 11050 / 9380 | DEF AT - - - - - | DEF AT 3 |
| 11230 / 9540 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 13880 / 12103 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 700 | Date of Summary: 23-OCT-1984 | First Sample Examined: 3360 |
| Lease Number: G03108 | Source of Paleo: OPERATOR | Borehole MD: 14793 |
| Well Name: C002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 12602 |
| API Well Number: 427034024100 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 3360 - 14120 | Water Depth: 93 |
| Public Info Code: Y 07-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3360 / 3170 | DEF AT first sample examined | DEF AT 2 |
| 4970 / 4472 | DEF AT - - - - - | DEF AT 3 |
| 5060 / 4548 | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 5460 / 4888 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 6870 / 6094 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 7330 / 6481 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 9570 / 8345 | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 3 |
| 10470 / 9112 | DEF AT - - - - - | DEF AT 4 |
| 10530 / 9162 | DEF AT Lower Miocene (Burdigalian) Gyroidina 8 | DEF AT 4 |
| 10740 / 9337 | DEF AT - - - - - | DEF AT 3 |
| 10890 / 9462 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 14120 / 12048 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 700 | Date of Summary: 19-FEB-1981 | First Sample Examined: 3260 |
| Lease Number: G03466 | Source of Paleo: OPERATOR | Borehole MD: 11506 |
| Well Name: A001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10986 |
| API Well Number: 427034008300 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 3260 - 11506 | Water Depth: 104 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3260 / 3195 | DEF AT first sample examined | DEF AT 2 |
| 4590 / 4420 | DEF AT charophytes | DEF AT 2 |
| 4800 / 4622 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 5100 / 4911 | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 5101 / 4912 | POS AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 6770 / 6503 | POS IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 7190 / 6901 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 7760 / 7435 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 9829 / 9403 | POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 9830 / 9404 | POS AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 3 |
| 10250 / 9799 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 10760 / 10282 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 10980 / 10490 | DEF AT Eggerella sp. (local marker) | DEF AT 3 |
| 11070 / 10575 | DEF AT Lower Miocene (Burdigalian) Gyroidina 8 | DEF AT 3 |
| 11230 / 10726 | DEF AT Lower Miocene (Aquitanean) Siphonina davisii | DEF AT 3 |
| 11506 / 10986 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 700 | Date of Summary: 11-JAN-1991 | First Sample Examined: 0 |
| Lease Number: G03466 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11165 |
| Well Name: A008 | Paleo Done By: OPERATOR | Borehole TVD: 9978 |
| API Well Number: 427034016201 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 104 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10190 / 9107 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 700 | Date of Summary: 21-DEC-1995 | First Sample Examined: 0 |
| Lease Number: G13293 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10719 |
| Well Name: C003 | Paleo Done By: OPERATOR | Borehole TVD: 9592 |
| API Well Number: 427034049400 | Drilling Operator: EOG RESOURCES INC | Rkb Elevation: 135 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 96 |
| Public Info Code: Y 30-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7155 / 6460 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8185 / 7357 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 10330 / 9246 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: MI 701 | Date of Summary: 17-MAY-1994 | First Sample Examined: 0 |
| Lease Number: G04549 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10450 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10136 |
| API Well Number: 427034011700 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 23-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5156 / 5117 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 7068 / 6936 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9972 / 9680 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: MI 701 | Date of Summary: 09-MAY-1994 | First Sample Examined: 0 |
| Lease Number: G04549 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9828 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9724 |
| API Well Number: 427034012800 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 23-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7550 / 7473 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8900 / 8797 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: MI 701 | Date of Summary: 17-MAY-1994 | First Sample Examined: 0 |
| Lease Number: G04549 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12758 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 12453 |
| API Well Number: 427034016900 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 23-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6400 / 6399 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 8900 / 8899 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 10560 / 10499 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: MI 701 | Date of Summary: 22-JUL-1983 | First Sample Examined: 0 |
| Lease Number: G04549 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10826 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 10160 |
| API Well Number: 427034017800 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 23-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7302 / 7089 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9843 / 9369 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 705 | Date of Summary: 03-MAY-1988 | First Sample Examined: 9000 |
| Lease Number: G09001 | Source of Paleo: OPERATOR | Borehole MD: 13445 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13183 |
| API Well Number: 427034032000 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 9000 - 13148 | Water Depth: 140 |
| Public Info Code: Y 28-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9000 / 8974 | DEF AT first sample examined | DEF AT 3 |
| 9001 / 8975 | DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 3 |
| 9960 / 9899 | DEF AT - - - - - | DEF AT 4 |
| 10800 / 10711 | DEF AT local marker (general) | DEF AT 4 |
| 12210 / 12057 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 4 |
| 12900 / 12690 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 4 |
| 13148 / 12916 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MI 710 | Date of Summary: 05-MAR-1990 | First Sample Examined: 3830 |
| Lease Number: G10205 | Source of Paleo: OPERATOR | Borehole MD: 10200 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10198 |
| API Well Number: 427034041600 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 3830 - 10200 | Water Depth: 148 |
| Public Info Code: Y 07-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 3830 / | DEF AT first sample examined | DEF IN 1 |
| 4550 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 5480 / | DEF AT - - - - - | DEF AT 3 |
| 6050 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 7010 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 8000 / | DEF AT sample gap top | POS AT 3 |
| 8400 / | DEF AT sample gap bottom | DEF AT 3 |
| 8820 / | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 3 |
| 9960 / | DEF AT - - - - - | DEF AT 4 |
| 10110 / | POS AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 4 |
| 10200 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 710 | Date of Summary: 13-JUL-1994 | First Sample Examined: 0 |
| Lease Number: G10205 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14607 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 11992 |
| API Well Number: 427034047300 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 148 |
| Public Info Code: Y 07-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6020 / 5994 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7040 / 6918 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 9530 / 8629 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 10490 / 9282 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 12260 / 10471 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 710 | Date of Summary: 23-AUG-1994 | First Sample Examined: 0 |
| Lease Number: G10205 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10700 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10699 |
| API Well Number: 427034046300 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 143 |
| Public Info Code: Y 07-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9140 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 710 | Date of Summary: 06-SEP-1994 | First Sample Examined: 0 |
| Lease Number: G10205 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11171 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 10568 |
| API Well Number: 427034047700 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 143 |
| Public Info Code: Y 07-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9523 / 9160 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 710 | Date of Summary: 11-MAY-1998 | First Sample Examined: 0 |
| Lease Number: G10205 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9472 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 8418 |
| API Well Number: 427034048000 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 143 |
| Public Info Code: Y 07-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7530 / 6649 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7950 / 7012 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 712 | Date of Summary: 06-MAY-1982 | First Sample Examined: 0 |
| Lease Number: G04550 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10379 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10379 |
| API Well Number: 427034010200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 09-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 4970 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 5400 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6840 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7340 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 7680 / | POS AT Lower (Early) Miocene | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 712 | Date of Summary: 28-MAY-1982 | First Sample Examined: 0 |
| Lease Number: G04550 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15200 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 15200 |
| API Well Number: 427034011300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 114 |
| Public Info Code: Y 09-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7600 / 7600 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 10810 / 10810 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 10930 / 10929 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT |
| 11890 / 11889 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 712 | Date of Summary: 18-JAN-1983 | First Sample Examined: 0 |
| Lease Number: G04550 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10568 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 10190 |
| API Well Number: 427034014800 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 114 |
| Public Info Code: Y 09-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4040 / 4040 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 4825 / 4803 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 5400 / 5341 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6960 / 6802 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 7500 / 7303 | POS AT Lower (Early) Miocene | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 713 | Date of Summary: 27-SEP-1984 | First Sample Examined: 0 |
| Lease Number: G03466 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10291 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 9825 |
| API Well Number: 427034016800 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 105 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9224 / 8791 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9862 / 9407 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 713 | Date of Summary: 17-SEP-1981 | First Sample Examined: 3800 |
| Lease Number: G03466 | Source of Paleo: OPERATOR | Borehole MD: 10680 |
| Well Name: B002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10680 |
| API Well Number: 427034009800 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 3800 - 11900 | Water Depth: 105 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 3800 / 3800 | DEF AT first sample examined | DEF AT 2 |
| 4490 / 4490 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 4610 / 4610 | DEF AT sample gap top | POS AT 3 |
| 5620 / 5620 | DEF AT sample gap bottom | DEF AT 2 |
| 5800 / 5800 | POS AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 6340 / 6340 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 6610 / 6610 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 4 |
| 6820 / 6820 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 7880 / 7880 | POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 8720 / 8720 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 9380 / 9379 | DEF IN Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 3 |
| 9710 / 9709 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 10320 / 10319 | DEF AT Lower Miocene (Burdigalian) Gyroidina 8 | DEF AT 3 |
| 10535 / 10534 | DEF AT Lower Miocene (Aquitani) Siphonina davis | DEF AT 3 |
| 11140 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 11860 / | DEF AT local marker benthic foram increase | DEF AT 4 |
| 11900 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: MI 713 | Date of Summary: 17-NOV-1981 | First Sample Examined: 900 |
| Lease Number: G03466 | Source of Paleo: OPERATOR | Borehole MD: 13179 |
| Well Name: B003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 12728 |
| API Well Number: 427034010300 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 900 - 13179 | Water Depth: 105 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 900 / 900 | DEF AT first sample examined | DEF AT 2 |
| 960 / 960 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 1400 / 1400 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 4360 / 4347 | DEF AT sample gap top | POS AT 2 |
| 4539 / 4521 | DEF AT sample gap bottom | DEF AT 3 |
| 4540 / 4522 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 5380 / 5334 | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 5410 / 5363 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 6070 / 6004 | POS AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 6910 / 6813 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 8200 / 8047 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 9580 / 9384 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9670 / 9472 | POS AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 3 |
| 10790 / 10544 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10819 / 10570 | DEF AT Lower Miocene (Burdigalian) Gyroidina 8 | DEF AT 4 |
| 10820 / 10571 | DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi | DEF AT 4 |
| 11110 / 10835 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 4 |
| 11480 / 11172 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 13179 / 12729 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MI 713 | Date of Summary: 21-SEP-1984 | First Sample Examined: 0 |
| Lease Number: G03466 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10839 |
| Well Name: B004 | Paleo Done By: OPERATOR | Borehole TVD: 10029 |
| API Well Number: 427034018000 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 105 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9468 / 8775 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9890 / 9154 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MI 713 | Date of Summary: 14-JUL-1983 | First Sample Examined: 2851 |
| Lease Number: G03466 | Source of Paleo: OPERATOR | Borehole MD: 12425 |
| Well Name: B009 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11843 |
| API Well Number: 427034018600 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 2851 - 11350 | Water Depth: 105 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2851 / 2814 | DEF AT first sample examined | DEF AT 2 |
| 4731 / 4558 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 4914 / 4726 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 3 |
| 5515 / 5276 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 5810 / 5546 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 6609 / 6272 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 6759 / 6410 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 7326 / 6932 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 8200 / 7741 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 8740 / 8250 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9190 / 8681 | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 4 |
| 9490 / 8971 | DEF AT sample gap top | DEF AT 4 |
| 9820 / 9291 | DEF AT sample gap bottom | DEF AT 3 |
| 11110 / 10553 | DEF AT Lower Miocene (Burdigalian) Gyroidina 8 | DEF AT 4 |
| 11350 / 10787 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: MI A 4 | Date of Summary: 17-JUL-1984 | First Sample Examined: 3050 |
| Lease Number: G06059 | Source of Paleo: OPERATOR | Borehole MD: 6018 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 6018 |
| API Well Number: 427034023400 | Drilling Operator: TEXACO INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 3050 - 5990 | Water Depth: 186 |
| Public Info Code: Y 10-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3050 / | DEF AT first sample examined | DEF AT 1 |
| 3260 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 3350 / | DEF AT local marker foram increase | DEF AT 2 |
| 3470 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 2 |
| 3860 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 4040 / | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 4070 / | POS AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 2 |
| 5120 / | DEF AT local marker foram increase | DEF AT 2 |
| 5270 / | DEF AT Middle Miocene (Serravallian) Cibicides opima | POS AT 3 |
| 5450 / | DEF AT local marker foram increase | POS AT 3 |
| 5690 / | DEF AT local marker (general) | POS AT 3 |
| 5870 / | DEF AT local marker (general) | POS AT 3 |
| 5960 / | DEF AT - - - - | DEF AT 2 |
| 5990 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MO 821 | Date of Summary: 20-MAY-1986 | First Sample Examined: 5000 |
| Lease Number: G05058 | Source of Paleo: OPERATOR | Borehole MD: 21878 |
| Well Name: A001 | Paleo Done By: REECE DE GRAFFENRIED | Borehole TVD: 21850 |
| API Well Number: 608154002800 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 2 | Sample Range: 5000 - 21830 | Water Depth: 49 |
| Public Info Code: Y 10-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 5000 | DEF AT first sample examined | DEF AT |
| 5450 / 5450 | DEF AT Paleocene Midway Group/Provincial Stage | DEF AT |
| 6440 / 6440 | DEF AT Upper Cretaceous Selma Chalk (or Group) | DEF AT |
| 7820 / 7820 | DEF AT Upper Cretaceous (Turonian) Planulina eaglefordensis | DEF AT |
| 8210 / 8210 | DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica | DEF AT |
| 9410 / 9410 | POS AT Lower (Early) Cretaceous | DEF AT |
| 9830 / 9830 | DEF AT Lower Cretaceous Fredericksburg Group/Provincial Stage | DEF AT |
| 12950 / 12949 | DEF AT Lower Cretaceous Trinity Group/Provincial Stage | DEF AT |
| 14510 / 14509 | POS AT Lower Cretaceous Pearsall Formation | DEF AT |
| 14960 / 14959 | DEF AT Lower Cretaceous Hosston (Travis Peak) Formation | DEF AT |
| 17090 / 17088 | DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT |
| 21830 / 21825 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 821 | Date of Summary: 17-FEB-1992 | First Sample Examined: 0 |
| Lease Number: G05058 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 21878 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 21850 |
| API Well Number: 608154002800 | Drilling Operator: BP OIL CORPORATION | Rkb Elevation: 90 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 49 |
| Public Info Code: Y 10-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------------|----------------|
| 21607 / 21602 | DEF IN Jurassic Norphlet Formation | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 822 | Date of Summary: 27-NOV-1985 | First Sample Examined: 0 |
| Lease Number: G05056 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 21995 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 21899 |
| API Well Number: 608154001600 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 24-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6351 / 6351 | DEF AT Upper Cretaceous Selma Chalk (or Group) | DEF AT |
| 14636 / 14633 | DEF AT Lower Cretaceous Hosston (Travis Peak) Formation | DEF AT |
| 17100 / 17096 | DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT |
| 21687 / 21678 | DEF AT Jurassic Norphlet Formation | DEF AT |
| 21993 / 21982 | DEF AT Jurassic Pine Hill Anhydrite Member | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 822 | Date of Summary: 02-AUG-1988 | First Sample Examined: 0 |
| Lease Number: G05056 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 22741 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 21753 |
| API Well Number: 608154003900 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 47 |
| Public Info Code: Y 09-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 3543 / 3543 | POS IN Upper Oligocene (Chattian) Heterostegina texana | DEF AT |
| 4294 / 4294 | POS IN Upper Eocene Ocala Formation | DEF AT |
| 6475 / 6475 | POS AT Upper Cretaceous Selma Chalk (or Group) | DEF AT |
| 8676 / 8675 | POS IN Upper Cretaceous Tuscaloosa Formation (or Group) | DEF AT |
| 10350 / 10348 | POS IN Lower Cretaceous Fredericksburg Group/Provincial Stage | DEF AT |
| 11976 / 11937 | POS IN Lower Cretaceous Paluxy Formation | DEF AT |
| 15156 / 14775 | POS IN Lower Cretaceous Hosston (Travis Peak) Formation | DEF AT |
| 17861 / 17257 | POS AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT |
| 22556 / 21598 | POS IN Jurassic Norphlet Formation | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 827 | Date of Summary: 31-OCT-1986 | First Sample Examined: 0 |
| Lease Number: G05060 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 21793 |
| Well Name: CB001 | Paleo Done By: OPERATOR | Borehole TVD: 21790 |
| API Well Number: 608154003000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 49 |
| Public Info Code: Y 28-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 20640 / 20637 | DEF AT Jurassic Smackover Formation | DEF AT 0 |
| 21567 / 21561 | DEF IN Jurassic Norphlet Formation | DEF AT 0 |
| 21816 / | DEF AT Jurassic Pine Hill Anhydrite Member | DEF AT 0 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MO 862 | Date of Summary: 12-DEC-1988 | First Sample Examined: 6800 |
| Lease Number: G05063 | Source of Paleo: OPERATOR | Borehole MD: 22087 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 22087 |
| API Well Number: 608154002900 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 2 | Sample Range: 6800 - 22090 | Water Depth: 50 |
| Public Info Code: Y 20-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: 17500=Knowles Limestone

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6800 / | DEF AT first sample examined | DEF AT 3 |
| 7010 / | DEF AT Upper Cretaceous Maastrichtian Stage | DEF AT 3 |
| 7130 / | DEF AT Upper Cretaceous Campanian Stage | DEF AT 3 |
| 7430 / | DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa | DEF AT 3 |
| 7550 / | DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica | DEF AT 3 |
| 7610 / | DEF AT Upper Cretaceous Santonian Stage | DEF AT 3 |
| 8330 / | DEF IN Upper Cretaceous Santonian Stage | DEF AT 3 |
| 8450 / | DEF AT Upper Cretaceous Turonian Stage | DEF AT 2 |
| 8930 / | DEF AT Upper Cretaceous Cenomanian Stage | DEF AT 2 |
| 10160 / | DEF IN Upper Cretaceous Cenomanian Stage | DEF AT 1 |
| 10610 / | DEF AT Lower Cretaceous Albian Stage | DEF AT 2 |
| 10760 / | DEF IN Lower Cretaceous Albian Stage | DEF AT 1 |
| 14540 / | DEF AT Lower Cretaceous Aptian Stage | DEF AT 1 |
| 15650 / | DEF AT Lower Cretaceous Barremian Stage | DEF AT 1 |
| 17500 / | DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT 1 |
| 17600 / | DEF AT Lower Cretaceous Valanginian Stage | DEF AT 1 |
| 17780 / | DEF AT Lower Cretaceous Berriasian Stage | DEF AT 1 |
| 18100 / | POS AT Upper Jurassic Tithonian Stage | DEF AT 2 |
| 18440 / | DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT 1 |
| 20390 / | DEF AT Jurassic Haynesville Formation | DEF AT 1 |
| 20391 / | DEF AT Upper Jurassic Kimmeridgian Stage | DEF AT 1 |
| 20790 / | DEF AT Jurassic Smackover Formation | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MO 862 | Date of Summary: 12-DEC-1988 | First Sample Examined: 6800 |
| Lease Number: G05063 | Source of Paleo: OPERATOR | Borehole MD: 22087 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 22087 |
| API Well Number: 608154002900 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 2 | Sample Range: 6800 - 22090 | Water Depth: 50 |
| Public Info Code: Y 20-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---------------------------------------|----------------|
| 20791 / | DEF AT Upper Jurassic Oxfordian Stage | DEF AT 1 |
| 21090 / | DEF IN Jurassic Smackover Formation | DEF AT 1 |
| 21091 / | DEF IN Upper Jurassic Oxfordian Stage | DEF AT 1 |
| 22090 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 865 | Date of Summary: 26-JUN-1989 | First Sample Examined: 0 |
| Lease Number: G06847 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3800 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 3800 |
| API Well Number: 608154006100 | Drilling Operator: GOLDSTAR OPERATIONS | Rkb Elevation: 69 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 61 |
| Public Info Code: Y 18-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: 1680=top of Pensacola Clay

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 1680 / 1680 | POS AT Miocene | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 867 | Date of Summary: 13-NOV-1998 | First Sample Examined: 0 |
| Lease Number: G05066 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 22422 |
| Well Name: BB001 | Paleo Done By: OPERATOR | Borehole TVD: 22420 |
| API Well Number: 608154001100 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 101 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 55 |
| Public Info Code: Y 25-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------------|----------------|
| 3400 / 3400 | DEF AT Cretaceous | DEF AT |
| 10266 / 10265 | DEF AT Lower (Early) Cretaceous | DEF AT |
| 21741 / 21739 | DEF AT Jurassic Norphlet Formation | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 868 | Date of Summary: 10-APR-1986 | First Sample Examined: 0 |
| Lease Number: G05067 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 22488 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 22435 |
| API Well Number: 608154002600 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 37 |
| Public Info Code: Y 22-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|-------------------------------------|----------|
| 20640 / 20590 | DEF AT Jurassic Smackover Formation | DEF AT 0 |
| 21260 / 21208 | DEF IN Jurassic Smackover Formation | DEF AT 0 |
| 21780 / 21727 | DEF AT Jurassic Norphlet Formation | DEF AT 0 |
| 22488 / 22435 | DEF AT Jurassic Louann Salt | DEF AT 0 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 869 | Date of Summary: 03-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G06848 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 22625 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 21697 |
| API Well Number: 608154005600 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 47 |
| Public Info Code: Y 21-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8800 / 8800 | DEF AT Lower (Early) Cretaceous | DEF AT |
| 13310 / 13211 | DEF AT Lower Cretaceous Ferry Lake Anhydrite | DEF AT |
| 17358 / 16841 | DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT |
| 20590 / 19755 | DEF AT Jurassic Haynesville Formation | DEF AT |
| 22301 / 21379 | DEF AT Jurassic Norphlet Formation | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 869 | Date of Summary: 03-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G06848 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 22625 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 21697 |
| API Well Number: 608154005600 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 100 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 47 |
| Public Info Code: Y 21-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8800 / 8800 | DEF AT Lower (Early) Cretaceous | DEF AT |
| 13310 / 13211 | DEF AT Lower Cretaceous Ferry Lake Anhydrite | DEF AT |
| 17358 / 16841 | DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT |
| 20590 / 19755 | DEF AT Jurassic Haynesville Formation | DEF AT |
| 22450 / 21526 | DEF AT Jurassic Norphlet Formation | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 870 | Date of Summary: 19-NOV-1987 | First Sample Examined: 0 |
| Lease Number: G05068 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 2863 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 2292 |
| API Well Number: 608154004300 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 62 |
| Public Info Code: Y 02-DEC-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2535 / 2068 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 870 | Date of Summary: 26-MAR-1987 | First Sample Examined: 0 |
| Lease Number: G05068 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 2449 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 2449 |
| API Well Number: 608154003500 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 58 |
| Public Info Code: Y 08-APR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1945 / | POS IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|------------------------------|
| Area Block: MO 872 | Date of Summary: 23-AUG-1988 | First Sample Examined: 14010 |
| Lease Number: G06850 | Source of Paleo: OPERATOR | Borehole MD: 22803 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 22316 |
| API Well Number: 608154005200 | Drilling Operator: TEXACO INC | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 1 | Sample Range: 14010 - 22740 | Water Depth: 37 |
| Public Info Code: Y 23-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: 14250=rare ?Barremian? Cytheridea 8

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 14010 / 13983 | DEF AT first sample examined | DEF IN 1 |
| 14250 / 14210 | POS AT Lower Cretaceous Pine Island Formation | DEF IN 1 |
| 14490 / 14435 | DEF AT Lower Cretaceous (Aptian) Choffatella decipiens | DEF IN 1 |
| 15030 / 14931 | DEF AT - - - - - | DEF AT 1 |
| 17730 / 17395 | POS AT Lower Cretaceous (Valanginian) Schuleridea acuminata (ostracod) | DEF AT 1 |
| 20530 / 20110 | DEF AT Jurassic Haynesville Formation | DEF AT 1 |
| 21570 / 21119 | DEF AT Jurassic Smackover Formation | DEF AT 1 |
| 22500 / 22021 | DEF AT Jurassic Norphlet Formation | DEF AT 1 |
| 22740 / 22253 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: MO 904 | Date of Summary: 17-FEB-1992 | First Sample Examined: 0 |
| Lease Number: G05749 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 22400 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 22396 |
| API Well Number: 608154004100 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 60 |
| Public Info Code: Y 17-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12565 / 12563 | DEF AT Lower Cretaceous Paluxy Formation | DEF AT 0 |
| 14432 / 14429 | DEF AT Lower Cretaceous Ferry Lake Anhydrite | DEF AT 0 |
| 15170 / 15167 | DEF AT Lower Cretaceous Pine Island Formation | DEF AT 0 |
| 15650 / 15647 | DEF AT Lower Cretaceous Hosston (Travis Peak) Formation | DEF AT 0 |
| 17450 / 17447 | DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT 0 |
| 22128 / 22124 | DEF AT Jurassic Norphlet Formation | DEF AT 0 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 914 | Date of Summary: 07-JUN-1988 | First Sample Examined: 0 |
| Lease Number: G07846 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4611 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 2906 |
| API Well Number: 608154003100 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 11-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3440 / 2251 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 914 | Date of Summary: 01-DEC-1987 | First Sample Examined: 0 |
| Lease Number: G07846 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3762 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 2456 |
| API Well Number: 608154004700 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 15-DEC-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3416 / 2278 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 914 | Date of Summary: 14-DEC-1987 | First Sample Examined: 0 |
| Lease Number: G07846 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3747 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 2489 |
| API Well Number: 608154004800 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 25-DEC-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3320 / 2256 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 952 | Date of Summary: 09-JAN-1992 | First Sample Examined: 0 |
| Lease Number: G05755 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4270 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4270 |
| API Well Number: 608154001000 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 69 |
| Public Info Code: Y 03-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2025 / 2025 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 3648 / 3648 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 3949 / 3949 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 953 | Date of Summary: 16-JAN-1992 | First Sample Examined: 0 |
| Lease Number: G05756 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3620 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 3620 |
| API Well Number: 608154001300 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 74 |
| Public Info Code: Y 19-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Paleo determined by correlation with Mobile 952 well 1

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1935 / | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 2648 / | POS IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 955 | Date of Summary: 13-JUN-1984 | First Sample Examined: 0 |
| Lease Number: G05757 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4120 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4119 |
| API Well Number: 608154001200 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 71 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 74 |
| Public Info Code: Y 01-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 1940 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 3287 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 3416 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 3676 / | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 4018 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MO 960 | Date of Summary: 06-NOV-1987 | First Sample Examined: 0 |
| Lease Number: G05760 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 3100 |
| API Well Number: 608154004200 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 20-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 1200 / | POS AT Miocene | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|----------------------------|
| Area Block: MP 30 | Date of Summary: 24-JAN-1985 | First Sample Examined: 900 |
| Lease Number: G04903 | Source of Paleo: OPERATOR | Borehole MD: 10300 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9456 |
| API Well Number: 177254040000 | Drilling Operator: TEXACO INC | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 900 - 10290 | Water Depth: 42 |
| Public Info Code: Y 16-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 900 / 900 | DEF AT first sample examined | DEF AT 1 |
| 950 / 950 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 1 |
| 1400 / 1400 | POS AT Turtle Grass fauna = Amphistegina Mound | DEF AT 1 |
| 1610 / 1608 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 2 |
| 1670 / 1667 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 2630 / 2531 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 4800 / 4198 | POS AT Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT 1 |
| 5490 / 4791 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 1 |
| 6270 / 5518 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 1 |
| 6360 / 5603 | DEF AT glauconite | DEF AT 1 |
| 6570 / 5800 | POS AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 2 |
| 6600 / 5828 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 6720 / 5941 | POS AT local marker benthic foram increase | DEF AT 1 |
| 7230 / 6423 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 7700 / 6877 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 2 |
| 7920 / 7091 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 8400 / 7563 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT 1 |
| 8730 / 7890 | DEF AT Eggerella sp. (local marker) | DEF AT 2 |
| 8880 / 8040 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 9420 / 8579 | DEF AT Upper Miocene (Tortonian) Globorotalia siakensis | DEF AT 2 |
| 10200 / 9357 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 3 |
| 10290 / 9447 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 30 | Date of Summary: 08-JUN-1994 | First Sample Examined: 0 |
| Lease Number: G04903 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8833 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7815 |
| API Well Number: 177254051500 | Drilling Operator: TEXACO INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 26-JAN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5200 / 4746 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6500 / 5846 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7940 / 7053 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 30 | Date of Summary: 01-SEP-1994 | First Sample Examined: 0 |
| Lease Number: G04903 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8833 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7815 |
| API Well Number: 177254051500 | Drilling Operator: TOTAL E&P USA INC | Rkb Elevation: 116 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 26-JAN-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5500 / 4998 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 30 | Date of Summary: 07-JUN-1994 | First Sample Examined: 0 |
| Lease Number: G04903 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8490 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 7817 |
| API Well Number: 177254051200 | Drilling Operator: TEXACO INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 23-SEP-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5245 / 4779 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6565 / 5946 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7655 / 6988 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 30 | Date of Summary: 29-JAN-1991 | First Sample Examined: 0 |
| Lease Number: G04903 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9136 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 7832 |
| API Well Number: 177254051400 | Drilling Operator: TEXACO INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 40 |
| Public Info Code: Y 15-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5435 / 4816 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6990 / 6056 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8460 / 7263 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 30 | Date of Summary: 24-SEP-1987 | First Sample Examined: 0 |
| Lease Number: G04903 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6925 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 4816 |
| API Well Number: 177254051700 | Drilling Operator: TEXACO INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 06-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2810 / 2554 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 5730 / 4163 | DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT |
| 6800 / 4749 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 30 | Date of Summary: 02-MAY-1997 | First Sample Examined: 0 |
| Lease Number: G04903 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9137 |
| Well Name: A006 | Paleo Done By: OPERATOR | Borehole TVD: 7401 |
| API Well Number: 177254052000 | Drilling Operator: TEXACO INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 23-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5675 / 4790 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 7150 / 5921 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8675 / 7050 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 30 | Date of Summary: 09-MAR-1988 | First Sample Examined: 0 |
| Lease Number: G04903 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9328 |
| Well Name: A007 | Paleo Done By: OPERATOR | Borehole TVD: 7477 |
| API Well Number: 177254052500 | Drilling Operator: TEXACO INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 26-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6625 / 4863 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 7680 / 5852 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8920 / 7075 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 30 | Date of Summary: 29-MAR-1988 | First Sample Examined: 0 |
| Lease Number: G04903 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8555 |
| Well Name: A008 | Paleo Done By: OPERATOR | Borehole TVD: 7481 |
| API Well Number: 177254052700 | Drilling Operator: TEXACO INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 27-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5410 / 4778 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6225 / 5478 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 6800 / 5975 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8030 / 7031 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 59 | Date of Summary: 23-FEB-1987 | First Sample Examined: 0 |
| Lease Number: G08461 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7563 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6763 |
| API Well Number: 177254050600 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 76 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 67 |
| Public Info Code: Y 16-FEB-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5332 / 4783 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6600 / 5874 | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |
| 7480 / 6662 | POS IN Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 62 | Date of Summary: 12-FEB-1997 | First Sample Examined: 3530 |
| Lease Number: G13002 | Source of Paleo: OPERATOR | Borehole MD: 19500 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19494 |
| API Well Number: 177254062000 | Drilling Operator: ATOFINA PETROCHEMICALS INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 2 | Sample Range: 3530 - 19500 | Water Depth: 75 |
| Public Info Code: Y 21-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3530 / 3530 | DEF AT first sample examined | DEF AT 2 |
| 4760 / 4760 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 5720 / 5720 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 6290 / 6290 | DEF AT - - - - | DEF AT 3 |
| 6740 / 6740 | POS AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 3 |
| 7460 / 7460 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 3 |
| 7640 / 7640 | DEF AT Eggerella 3 (local marker) | DEF AT 3 |
| 7670 / 7670 | DEF AT Cyclammina cancellata (local marker) | DEF AT 3 |
| 9019 / 9019 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 9020 / 9020 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 9350 / 9349 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 9500 / 9499 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 11120 / 11119 | DEF AT local marker deep water fauna | DEF AT 5 |
| 11269 / 11268 | DEF AT Eggerella sp. (local marker) | DEF AT 5 |
| 11270 / 11269 | DEF AT Cyclammina cancellata (local marker) | DEF AT 5 |
| 11570 / 11569 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 5 |
| 11600 / 11599 | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 5 |
| 12530 / 12529 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 5 |
| 12740 / 12739 | DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme) | DEF AT 5 |
| 13310 / 13309 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 13340 / 13339 | DEF AT local marker deep water fauna | DEF AT 6 |
| 14270 / 14269 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 62 | Date of Summary: 12-FEB-1997 | First Sample Examined: 3530 |
| Lease Number: G13002 | Source of Paleo: OPERATOR | Borehole MD: 19500 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19494 |
| API Well Number: 177254062000 | Drilling Operator: ATOFINA PETROCHEMICALS INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 2 | Sample Range: 3530 - 19500 | Water Depth: 75 |
| Public Info Code: Y 21-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14390 / 14389 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 7 |
| 14680 / 14679 | DEF AT local marker deep water fauna | DEF AT 7 |
| 16160 / 16158 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT 7 |
| 16580 / 16578 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 7 |
| 17150 / 17148 | POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 7 |
| 19400 / 19394 | POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis | DEF AT 7 |
| 19500 / 19494 | DEF AT last sample examined | DEF AT 7 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: MP 62 | Date of Summary: 12-FEB-1997 | First Sample Examined: 15020 |
| Lease Number: G13002 | Source of Paleo: OPERATOR | Borehole MD: 19500 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19494 |
| API Well Number: 177254062000 | Drilling Operator: ATOFINA PETROCHEMICALS INC | Rkb Elevation: 94 |
| Paleo Report Num: 2 of 2 | Sample Range: 15020 - 19500 | Water Depth: 75 |
| Public Info Code: Y 21-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 15020 / 15019 | DEF AT first sample examined | DEF AT |
| 15021 / 15020 | DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis | DEF AT |
| 17540 / 17538 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT |
| 19280 / 19274 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme) | DEF AT |
| 19354 / 19348 | DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus | DEF AT |
| 19355 / 19349 | DEF AT Lower Miocene (Aquitanian) Helicosphaera recta | DEF AT |
| 19369 / 19363 | DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus | DEF AT |
| 19370 / 19364 | DEF AT Upper Oligocene (Chattian) Sphenolithus ciperensis | DEF AT |
| 19500 / 19494 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 65 | Date of Summary: 23-JUL-1984 | First Sample Examined: 0 |
| Lease Number: G05692 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9941 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 8804 |
| API Well Number: 177254035300 | Drilling Operator: TOTAL PETROLEUM INC | Rkb Elevation: 69 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 35 |
| Public Info Code: Y 10-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8187 / 7351 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 65 | Date of Summary: 23-JUL-1984 | First Sample Examined: 0 |
| Lease Number: G05692 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9320 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 7694 |
| API Well Number: 177254036200 | Drilling Operator: TOTAL PETROLEUM INC | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 35 |
| Public Info Code: Y 24-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8902 / 7343 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 95 | Date of Summary: 01-APR-1987 | First Sample Examined: 0 |
| Lease Number: G05242 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9171 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7326 |
| API Well Number: 177254050700 | Drilling Operator: PELTO OIL COMPANY | Rkb Elevation: 65 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 60 |
| Public Info Code: Y 11-FEB-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7840 / 6392 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MP 97 | Date of Summary: 30-AUG-1996 | First Sample Examined: 1000 |
| Lease Number: G13006 | Source of Paleo: OPERATOR | Borehole MD: 17500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17475 |
| API Well Number: 177254060900 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 17575 | Water Depth: 65 |
| Public Info Code: Y 21-SEP-1996 | Ecozone Eq MMS: N | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, 15480=Lower Aptian Nannoconus bucheri

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 1000 / 1000 | DEF AT first sample examined | DEF AT |
| 1660 / 1660 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 2860 / 2860 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 3700 / 3700 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4660 / 4660 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 5620 / 5620 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6490 / 6490 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 8050 / 8049 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |
| 11110 / 11100 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 11710 / 11698 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT |
| 13030 / 13016 | DEF IN Oligocene | DEF AT |
| 13390 / 13375 | DEF IN Eocene | DEF AT |
| 13450 / 13435 | DEF IN Paleocene | DEF AT |
| 13930 / 13914 | DEF IN Cretaceous | DEF AT |
| 15100 / 15081 | DEF IN Upper Cretaceous Cenomanian Stage | DEF AT |
| 15430 / 15409 | DEF IN Lower Cretaceous Albion Stage | DEF AT |
| 15480 / 15459 | POS AT Lower Cretaceous (Aptian) Nannoconus steinmanni | DEF AT |
| 17575 / | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 98 | Date of Summary: 11-FEB-1985 | First Sample Examined: 0 |
| Lease Number: G05694 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7651 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 7086 |
| API Well Number: 177254041400 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 70 |
| Public Info Code: Y 16-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4390 / 4376 | POS AT Upper (Late) Miocene | DEF AT |
| 4840 / 4786 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 98 | Date of Summary: 27-JAN-1986 | First Sample Examined: 0 |
| Lease Number: G05694 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8715 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8360 |
| API Well Number: 177254038600 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 03-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3400 / 3076 | POS AT Upper (Late) Miocene | DEF AT |
| 4030 / 3683 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6530 / 6176 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7660 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 98 | Date of Summary: 28-JAN-1986 | First Sample Examined: 0 |
| Lease Number: G05694 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7283 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 6707 |
| API Well Number: 177254040200 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 19-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3600 / 3092 | POS AT Upper (Late) Miocene | DEF AT |
| 4200 / 3646 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5400 / 4825 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 98 | Date of Summary: 21-NOV-1990 | First Sample Examined: 0 |
| Lease Number: G05694 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6500 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 5422 |
| API Well Number: 177254048600 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 18-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4725 / 3675 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 108 | Date of Summary: 04-SEP-1990 | First Sample Examined: 0 |
| Lease Number: G04832 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13500 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 13496 |
| API Well Number: 177254053800 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 128 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 69 |
| Public Info Code: Y 14-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 5000 / | DEF AT ----- | DEF AT 2 |
| 5600 / | DEF AT ----- | DEF AT 3 |
| 5810 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 6470 / | DEF AT ----- | DEF AT 4 |
| 7970 / | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 9530 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 4 |
| 10550 / | DEF AT ----- | DEF AT 5 |
| 12650 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 13010 / | DEF AT ----- | DEF AT 6 |
| 13340 / | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 108 | Date of Summary: 08-FEB-1991 | First Sample Examined: 0 |
| Lease Number: G04832 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12200 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 12190 |
| API Well Number: 177254048800 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 69 |
| Public Info Code: Y 29-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|---------------|--|----------------|
| 6000 / 6000 | DEF AT - - - - - | DEF AT 3 |
| 6750 / 6750 | POS AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 7620 / 7619 | DEF AT - - - - - | DEF AT 4 |
| 8010 / 8009 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 9180 / 9176 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 4 |
| 10710 / 10703 | DEF AT - - - - - | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 108 | Date of Summary: 04-SEP-1990 | First Sample Examined: 0 |
| Lease Number: G04832 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11800 |
| Well Name: D001 | Paleo Done By: OPERATOR | Borehole TVD: 11775 |
| API Well Number: 177254044400 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 64 |
| Public Info Code: Y 01-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5000 / 5000 | DEF AT ----- | DEF AT 2 |
| 5780 / 5779 | DEF AT ----- | DEF AT 3 |
| 6440 / 6438 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 7970 / 7967 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 9590 / 9579 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 4 |
| 11330 / 11307 | DEF AT ----- | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 124 | Date of Summary: 17-JUN-1988 | First Sample Examined: 0 |
| Lease Number: G05697 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6720 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 6720 |
| API Well Number: 177254050300 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 135 |
| Public Info Code: Y 27-JAN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2730 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 4920 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 125 | Date of Summary: 03-APR-1984 | First Sample Examined: 6000 |
| Lease Number: G04913 | Source of Paleo: OPERATOR | Borehole MD: 14376 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14376 |
| API Well Number: 177254035100 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 2 | Sample Range: 6000 - 10050 | Water Depth: 86 |
| Public Info Code: Y 22-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 6000 / | DEF AT first sample examined | DEF IN 3 |
| 6210 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 6960 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 9180 / | DEF AT sample gap top | POS AT 4 |
| 9300 / | DEF AT sample gap bottom | DEF AT 4 |
| 9930 / | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 10050 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 125 | Date of Summary: 03-APR-1984 | First Sample Examined: 6000 |
| Lease Number: G04913 | Source of Paleo: OPERATOR | Borehole MD: 14376 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14376 |
| API Well Number: 177254035100 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 86 |
| Paleo Report Num: 2 of 2 | Sample Range: 6000 - 14370 | Water Depth: 86 |
| Public Info Code: Y 22-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6000 / | DEF AT first sample examined | DEF IN 3 |
| 6210 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 8610 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 9930 / | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 10770 / | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 5 |
| 11670 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 11880 / | DEF AT faunal change (no faunal increase) | DEF AT 6 |
| 13080 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 6 |
| 14370 / | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 129 | Date of Summary: 13-JUN-1984 | First Sample Examined: 0 |
| Lease Number: G04010 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10170 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 9280 |
| API Well Number: 177254034600 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 133 |
| Public Info Code: Y 01-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8340 / 7750 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 9690 / 8884 | POS IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MP 132 | Date of Summary: 26-FEB-1996 | First Sample Examined: 3030 |
| Lease Number: G13652 | Source of Paleo: OPERATOR | Borehole MD: 7995 |
| Well Name: CC005 | Paleo Done By: OPERATOR | Borehole TVD: 6750 |
| API Well Number: 177254060300 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 2490 - 7995 | Water Depth: 182 |
| Public Info Code: Y 31-AUG-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3030 / 2733 | DEF AT first sample examined | DEF AT 2 |
| 3031 / 2733 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 4500 / 3777 | DEF IN Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT 2 |
| 6360 / 5214 | DEF IN Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 2 |
| 6840 / 5647 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 6900 / 5702 | DEF AT - - - - - | DEF AT 1 |
| 7200 / 5985 | DEF AT - - - - - | DEF AT 3 |
| 7920 / 6678 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 3 |
| 7995 / | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 138 | Date of Summary: 27-SEP-1984 | First Sample Examined: 4260 |
| Lease Number: G05699 | Source of Paleo: OPERATOR | Borehole MD: 10335 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8310 |
| API Well Number: 177254038900 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 4260 - 10320 | Water Depth: 130 |
| Public Info Code: Y 29-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4260 / 3670 | DEF AT first sample examined | DEF IN 2 |
| 4680 / 3961 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF IN 2 |
| 6030 / 4954 | DEF AT - - - - | DEF AT 3 |
| 7230 / 5873 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 8730 / 7051 | POS AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 8910 / 7193 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 3 |
| 9540 / 7692 | DEF AT Bathysiphon fauna | DEF AT 3 |
| 10320 / 8301 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 138 | Date of Summary: 17-JUL-1984 | First Sample Examined: 3880 |
| Lease Number: G16500 | Source of Paleo: OPERATOR | Borehole MD: 10719 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8945 |
| API Well Number: 177254037300 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 3880 - 10718 | Water Depth: 130 |
| Public Info Code: Y 29-MAY-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3880 / 3667 | DEF AT first sample examined | DEF IN 3 |
| 4060 / 3811 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF IN 3 |
| 6580 / 5723 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 3 |
| 7810 / 6677 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF IN 3 |
| 8470 / 7186 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 10630 / 8876 | DEF AT poor sample interval top | POS AT 4 |
| 10717 / 8944 | DEF AT poor sample interval bottom | DEF AT 4 |
| 10718 / 8945 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 138 | Date of Summary: 30-OCT-1984 | First Sample Examined: 4300 |
| Lease Number: G16500 | Source of Paleo: OPERATOR | Borehole MD: 9900 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8349 |
| API Well Number: 177254038901 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 4300 - 9900 | Water Depth: 158 |
| Public Info Code: Y 29-MAY-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4300 / 3705 | DEF AT first sample examined | DEF IN 3 |
| 8260 / 6974 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 3 |
| 8500 / 7175 | POS AT - - - - | DEF AT 4 |
| 9900 / 8359 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: MP 153 | Date of Summary: 09-JAN-1985 | First Sample Examined: 12530 |
| Lease Number: G01901 | Source of Paleo: OPERATOR | Borehole MD: 15160 |
| Well Name: C001 | Paleo Done By: OPERATOR | Borehole TVD: 13172 |
| API Well Number: 177254039900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 12530 - 15140 | Water Depth: 293 |
| Public Info Code: Y 07-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 12530 / 10961 | DEF AT first sample examined | DEF AT |
| 14720 / 12781 | POS IN Upper (Late) Miocene | DEF AT |
| 15140 / 13155 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 159 | Date of Summary: 29-DEC-1987 | First Sample Examined: 0 |
| Lease Number: G06813 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5023 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 5023 |
| API Well Number: 177244040900 | Drilling Operator: CSX OIL & GAS CORPORATION | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 130 |
| Public Info Code: Y 11-JAN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1500 / 1500 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 4600 / 4600 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 160 | Date of Summary: 14-SEP-1984 | First Sample Examined: 0 |
| Lease Number: G05245 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8710 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 4162 |
| API Well Number: 177244030900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 11-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7850 / 3870 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 160 | Date of Summary: 09-JUL-1987 | First Sample Examined: 0 |
| Lease Number: G05245 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6590 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 6590 |
| API Well Number: 177244038100 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 109 |
| Public Info Code: Y 18-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1715 / | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 3275 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 3276 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5850 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6490 / | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 160 | Date of Summary: 27-JUL-1987 | First Sample Examined: 0 |
| Lease Number: G05245 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6590 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 6590 |
| API Well Number: 177244038600 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 114 |
| Public Info Code: Y 30-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1720 / | DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 3200 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4180 / | POS IN Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 5820 / | POS AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 161 | Date of Summary: 21-JUN-1984 | First Sample Examined: 0 |
| Lease Number: G05703 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6506 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6506 |
| API Well Number: 177244029000 | Drilling Operator: CSX OIL & GAS CORPORATION | Rkb Elevation: 63 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 103 |
| Public Info Code: Y 14-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1500 / 1500 | POS IN Upper Pleistocene | DEF AT |
| 2350 / 2350 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4000 / 4000 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 4001 / 4001 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6000 / 6000 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 161 | Date of Summary: 04-JAN-1988 | First Sample Examined: 0 |
| Lease Number: G05703 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 2524 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 2524 |
| API Well Number: 177244040600 | Drilling Operator: CSX OIL & GAS CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 98 |
| Public Info Code: Y 20-DEC-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1500 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 163 | Date of Summary: 09-FEB-1990 | First Sample Examined: 0 |
| Lease Number: G07809 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6390 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6390 |
| API Well Number: 177244038300 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 108 |
| Public Info Code: Y 01-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3448 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 3449 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4384 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6138 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 165 | Date of Summary: 24-FEB-1984 | First Sample Examined: 0 |
| Lease Number: G05705 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7000 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7000 |
| API Well Number: 177244028100 | Drilling Operator: CANADIANOXY OFFSHORE PRODUCTIO | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 137 |
| Public Info Code: Y 24-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 1525 / 1525 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 3325 / 3324 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4150 / 4149 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 4880 / 4879 | DEF AT deepwater facies Listerella fauna | DEF AT |
| 6500 / 6499 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 165 | Date of Summary: 13-JUN-1984 | First Sample Examined: 0 |
| Lease Number: G05705 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4500 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 4500 |
| API Well Number: 177244028500 | Drilling Operator: OXY USA INC | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 134 |
| Public Info Code: Y 26-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1540 / 1540 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 3430 / 3430 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 3431 / 3431 | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4090 / 4090 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 165 | Date of Summary: 09-MAY-1984 | First Sample Examined: 0 |
| Lease Number: G05705 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7000 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 7000 |
| API Well Number: 177244027500 | Drilling Operator: CANADIANOXY OFFSHORE PRODUCTIO | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 137 |
| Public Info Code: Y 03-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3370 / 3370 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 3790 / 3790 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4780 / 4780 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 166 | Date of Summary: 19-MAR-1993 | First Sample Examined: 0 |
| Lease Number: G13012 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6890 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 3795 |
| API Well Number: 177244063200 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 133 |
| Public Info Code: Y 30-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6425 / 3636 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 171 | Date of Summary: 22-MAR-1994 | First Sample Examined: 6480 |
| Lease Number: G13017 | Source of Paleo: OPERATOR | Borehole MD: 16000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15998 |
| API Well Number: 177244067600 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 6480 - 16000 | Water Depth: 150 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Calcareous nannofossil report, 15770=Middle Aptian Nannoconus vocontensis

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6480 / | DEF AT first sample examined | DEF AT |
| 6600 / | DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta | DEF AT |
| 7830 / | DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus | DEF AT |
| 8160 / | DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis | DEF AT |
| 8220 / | DEF AT sample gap top | DEF AT |
| 9990 / | DEF AT sample gap bottom | DEF AT |
| 15740 / | DEF AT local marker floral increase | DEF AT |
| 15770 / | POS AT Lower Cretaceous (Aptian) Nannoconus kamptneri | DEF AT |
| 16000 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 180 | Date of Summary: 20-JUL-1995 | First Sample Examined: 0 |
| Lease Number: G12091 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12914 |
| API Well Number: 177244071100 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 98 |
| Public Info Code: Y 05-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10002 / 10001 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MP 183 | Date of Summary: 20-JAN-1997 | First Sample Examined: 4560 |
| Lease Number: G13023 | Source of Paleo: OPERATOR | Borehole MD: 12785 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12785 |
| API Well Number: 177244073600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 4560 - 11340 | Water Depth: 162 |
| Public Info Code: Y 20-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4560 / | DEF AT first sample examined | DEF AT |
| 8190 / | DEF IN Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 9870 / | POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |
| 11340 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 190 | Date of Summary: 22-MAR-1994 | First Sample Examined: 3500 |
| Lease Number: G13655 | Source of Paleo: OPERATOR | Borehole MD: 8798 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8798 |
| API Well Number: 177244068200 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 2 | Sample Range: 3500 - 8790 | Water Depth: 145 |
| Public Info Code: Y 31-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 3500 / 3500 | DEF AT first sample examined | DEF AT |
| 3501 / 3501 | DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 4250 / 4250 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 4670 / 4670 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 4940 / 4940 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT |
| 6200 / 6200 | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT |
| 7410 / 7409 | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 7440 / 7439 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT |
| 7530 / 7529 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme) | DEF AT |
| 8310 / 8309 | DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura | DEF AT |
| 8520 / 8518 | DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus | DEF AT |
| 8550 / 8548 | POS IN Upper Eocene (Priabonian) Discoaster barbadiensis | DEF AT |
| 8790 / 8788 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 190 | Date of Summary: 23-MAR-1994 | First Sample Examined: 3500 |
| Lease Number: G13655 | Source of Paleo: OPERATOR | Borehole MD: 8798 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8798 |
| API Well Number: 177244068200 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 100 |
| Paleo Report Num: 2 of 2 | Sample Range: 3500 - 8790 | Water Depth: 145 |
| Public Info Code: Y 31-AUG-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3500 / 3500 | DEF AT first sample examined | DEF AT 2 |
| 3590 / 3590 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 4220 / 4220 | DEF AT - - - - - | DEF AT 3 |
| 4250 / 4250 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 4280 / 4280 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 3 |
| 4580 / 4580 | DEF AT - - - - - | DEF AT 4 |
| 6230 / 6230 | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 6980 / 6979 | DEF IN Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 4 |
| 7410 / 7409 | DEF AT - - - - - | DEF AT 5 |
| 7500 / 7499 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 5 |
| 7530 / 7529 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 5 |
| 7710 / 7709 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 5 |
| 8459 / 8458 | POS AT reworked material | DEF AT 5 |
| 8460 / 8459 | DEF AT Lower Miocene (Aquitani) Globorotalia kugleri | DEF AT 5 |
| 8520 / 8518 | POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura | DEF AT 5 |
| 8550 / 8548 | DEF AT Middle Eocene (Bartonian) Globorotalia spinuloinflata | DEF AT 5 |
| 8580 / 8578 | DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis | DEF AT 5 |
| 8790 / 8788 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: MP 195 | Date of Summary: 11-MAR-1996 | First Sample Examined: 0 |
| Lease Number: G14578 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6200 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6200 |
| API Well Number: 177244072500 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 145 |
| Public Info Code: Y 31-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4393 / 4393 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 4990 / 4990 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5230 / 5230 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 5860 / 5860 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: MP 196 | Date of Summary: 07-OCT-1994 | First Sample Examined: 0 |
| Lease Number: G13655 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9522 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8671 |
| API Well Number: 177244069400 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 145 |
| Public Info Code: Y 31-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 2650 / 2644 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 2830 / 2818 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 4750 / 4558 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT |
| 5310 / 5067 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 7120 / 6652 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 7990 / 7403 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 8590 / 7891 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 8860 / 8116 | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 8980 / 8217 | DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase) | DEF AT |
| 9160 / 8368 | DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperata | DEF AT |
| 9190 / 8393 | DEF IN Middle Miocene (Langhian) Amphistegina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 196 | Date of Summary: 03-JAN-1994 | First Sample Examined: 3530 |
| Lease Number: G13658 | Source of Paleo: OPERATOR | Borehole MD: 9288 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9288 |
| API Well Number: 177244067100 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 125 |
| Paleo Report Num: 1 of 2 | Sample Range: 3530 - 9288 | Water Depth: 145 |
| Public Info Code: Y 13-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 3530 / 3530 | DEF AT first sample examined | DEF AT |
| 4250 / 4250 | POS IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 4520 / 4520 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 4670 / 4670 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |
| 4850 / 4850 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 5270 / 5270 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 5540 / 5540 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT |
| 6410 / 6410 | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT |
| 7550 / 7550 | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 8180 / 8180 | DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis | DEF AT |
| 8450 / 8450 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme) | DEF AT |
| 9230 / 9230 | DEF AT Lower Miocene (Burdigalian) Discoaster trinidadensis (increase) | DEF AT |
| 9288 / 9288 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 196 | Date of Summary: 04-JAN-1994 | First Sample Examined: 3530 |
| Lease Number: G13658 | Source of Paleo: OPERATOR | Borehole MD: 9288 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9288 |
| API Well Number: 177244067100 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 125 |
| Paleo Report Num: 2 of 2 | Sample Range: 3530 - 9288 | Water Depth: 145 |
| Public Info Code: Y 13-AUG-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3530 / 3530 | DEF AT first sample examined | DEF AT 2 |
| 4520 / 4520 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 4550 / 4550 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 3 |
| 4640 / 4640 | DEF AT - - - - - | DEF AT 4 |
| 4670 / 4670 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 5 |
| 4760 / 4760 | DEF AT - - - - - | DEF AT 6 |
| 4820 / 4820 | POS IN Upper Miocene (Tortonian) Robulus "E" | DEF AT 5 |
| 4880 / 4880 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 5060 / 5060 | DEF AT - - - - - | DEF AT 4 |
| 5390 / 5390 | POS IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 6710 / 6710 | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 4 |
| 7250 / 7250 | DEF AT - - - - - | DEF AT 5 |
| 7400 / 7400 | POS AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 5 |
| 7460 / 7460 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 5 |
| 8120 / 8120 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 5 |
| 8240 / 8240 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 5 |
| 8390 / 8390 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 5 |
| 8450 / 8450 | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 5 |
| 9259 / 9259 | DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi | DEF AT 5 |
| 9260 / 9260 | DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis | DEF AT 5 |
| 9287 / 9287 | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 5 |
| 9288 / 9288 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 196 | Date of Summary: 03-MAY-1995 | First Sample Examined: 3540 |
| Lease Number: G13658 | Source of Paleo: OPERATOR | Borehole MD: 8920 |
| Well Name: 002 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 8920 |
| API Well Number: 177244070600 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 3540 - 8920 | Water Depth: 140 |
| Public Info Code: Y 13-AUG-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 3540 / | DEF AT first sample examined | DEF AT 2 |
| 3541 / | POS IN Upper Miocene (Messinian) Bolivina denticulata | DEF AT 2 |
| 3600 / | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 3780 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 1 |
| 3840 / | DEF AT reworked material | DEF AT 3 |
| 3900 / | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 4260 / | POS AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 2 |
| 4500 / | POS AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 3 |
| 4650 / | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |
| 4740 / | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT 4 |
| 4830 / | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 4950 / | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT 4 |
| 5160 / | DEF AT Upper Miocene (Tortonian) Textularia "G" | DEF AT 4 |
| 5490 / | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 4 |
| 5940 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 6450 / | DEF AT local marker benthic foram increase | DEF AT 4 |
| 6600 / | DEF AT local marker deep water fauna | DEF AT 4 |
| 6900 / | POS AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT 4 |
| 7490 / | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 4 |
| 7520 / | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 7550 / | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 7610 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 196 | Date of Summary: 03-MAY-1995 | First Sample Examined: 3540 |
| Lease Number: G13658 | Source of Paleo: OPERATOR | Borehole MD: 8920 |
| Well Name: 002 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 8920 |
| API Well Number: 177244070600 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 3540 - 8920 | Water Depth: 140 |
| Public Info Code: Y 13-AUG-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 7670 / | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 7790 / | DEF AT - - - - - | DEF AT 4 |
| 7970 / | POS AT Upper Miocene (Tortonian) Discamminoides tobleri | DEF AT 4 |
| 8030 / | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 8090 / | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 8150 / | DEF AT limestone | DEF AT 5 |
| 8270 / | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 8360 / | POS AT unconformity | DEF IN 4 |
| 8450 / | DEF AT local marker benthic foram increase | DEF AT 5 |
| 8570 / | POS AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 5 |
| 8600 / | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 5 |
| 8630 / | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 5 |
| 8869 / | DEF AT foram flood | DEF AT 5 |
| 8870 / | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 5 |
| 8900 / | DEF AT foram flood | DEF AT 5 |
| 8920 / | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 210 | Date of Summary: 10-OCT-1996 | First Sample Examined: 7820 |
| Lease Number: G13028 | Source of Paleo: OPERATOR | Borehole MD: 13000 |
| Well Name: 001 | Paleo Done By: PALEO SOURCE | Borehole TVD: 13000 |
| API Well Number: 177244074200 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 7820 - 13000 | Water Depth: 170 |
| Public Info Code: Y 27-APR-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 7820 / | DEF AT first sample examined | DEF AT 5 |
| 7821 / | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT 5 |
| 7850 / | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 5 |
| 8150 / | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT 5 |
| 8540 / | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 5 |
| 8690 / | DEF IN Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 5 |
| 8840 / | DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent) | DEF AT 5 |
| 9710 / | DEF AT local marker foram increase | DEF IN 5 |
| 9950 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF IN 5 |
| 10129 / | DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis | DEF IN 5 |
| 10130 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF IN 5 |
| 10640 / | DEF AT Arenaceous fauna (local marker) | DEF IN 5 |
| 12470 / | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF IN 5 |
| 12530 / | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF IN 5 |
| 12560 / | DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF IN 5 |
| 12770 / | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF IN 5 |
| 12860 / | POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura | DEF IN 5 |
| 12890 / | DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase) | DEF IN 5 |
| 12891 / | POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi | DEF IN 5 |
| 12920 / | DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis | DEF IN 5 |
| 13000 / | DEF AT last sample examined | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: MP 218 | Date of Summary: 03-MAY-1993 | First Sample Examined: 0 |
| Lease Number: G13029 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8618 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8099 |
| API Well Number: 177244063901 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 178 |
| Public Info Code: Y 31-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5650 / 5454 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 6280 / 5996 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7870 / 7419 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 227 | Date of Summary: 11-MAR-1986 | First Sample Examined: 0 |
| Lease Number: G06825 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4515 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4515 |
| API Well Number: 177244034800 | Drilling Operator: CANADIANOXY OFFSHORE PRODUCTIO | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 193 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1320 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 2330 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 2390 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 231 | Date of Summary: 06-FEB-1996 | First Sample Examined: 0 |
| Lease Number: G14582 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11450 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11449 |
| API Well Number: 177244071900 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 174 |
| Public Info Code: Y 31-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6450 / 6450 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT |
| 7600 / 7600 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 9015 / 9015 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 10465 / 10464 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 234 | Date of Summary: 01-DEC-1993 | First Sample Examined: 0 |
| Lease Number: G12100 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4624 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 4624 |
| API Well Number: 177244050800 | Drilling Operator: W & T OFFSHORE INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 185 |
| Public Info Code: Y 24-FEB-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1380 / 1380 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 1890 / 1890 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 4500 / 4500 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: MP 239 | Date of Summary: 13-JAN-1997 | First Sample Examined: 9000 |
| Lease Number: G16511 | Source of Paleo: OPERATOR | Borehole MD: 14927 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14001 |
| API Well Number: 177244076900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 4560 - 14927 | Water Depth: 180 |
| Public Info Code: Y 28-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9000 / 8535 | DEF AT first sample examined | DEF IN 2 |
| 9001 / 8536 | DEF IN Upper Miocene (Tortonian) Discoaster bollii | DEF IN 2 |
| 9030 / 8563 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 9810 / 9281 | DEF IN Upper Miocene (Tortonian) Catinaster coalitus | DEF AT 4 |
| 10530 / 9941 | POS AT Upper Miocene (Tortonian) Uvigerina 3 | POS IN 3 |
| 11430 / 10774 | POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus | DEF IN 2 |
| 11670 / 10994 | DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus | DEF AT 3 |
| 11820 / 11131 | DEF IN Upper Miocene (Tortonian) Uvigerina 3 | DEF IN 3 |
| 12300 / 11565 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 4 |
| 12720 / 11945 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 4 |
| 13020 / 12220 | DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus | DEF AT 4 |
| 14160 / 13280 | POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis | DEF IN 3 |
| 14927 / 14000 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 243 | Date of Summary: 26-SEP-1988 | First Sample Examined: 0 |
| Lease Number: G05726 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10025 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9503 |
| API Well Number: 177244028000 | Drilling Operator: OXY USA INC | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 192 |
| Public Info Code: Y 14-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1720 / 1720 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 2650 / 2650 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 5920 / 5718 | POS AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 6580 / 6313 | POS IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7870 / 7489 | POS AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 9340 / 8870 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 254 | Date of Summary: 09-FEB-1988 | First Sample Examined: 6000 |
| Lease Number: G05054 | Source of Paleo: OPERATOR | Borehole MD: 10253 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8814 |
| API Well Number: 177244040500 | Drilling Operator: HUGHES-DENNY OFFSHORE EXPLORAT | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 10253 | Water Depth: 280 |
| Public Info Code: Y 23-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6000 / 5293 | DEF AT first sample examined | DEF IN 5 |
| 6001 / 5294 | DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 5 |
| 6060 / 5343 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF IN 5 |
| 6120 / 5392 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 6 |
| 6180 / 5441 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 6599 / 5782 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 6600 / 5783 | DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 6 |
| 6750 / 5904 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 6 |
| 6780 / 5928 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 5 |
| 6869 / 5999 | DEF AT Upper Miocene (Messinian) Bolivina denticulata | DEF AT 5 |
| 6870 / 6000 | DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme) | DEF AT 5 |
| 7080 / 6165 | DEF AT Upper Miocene (Tortonian) Planulina renzi | DEF IN 5 |
| 7230 / 6283 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF IN 5 |
| 7290 / 6330 | DEF AT local marker benthic foram increase | DEF IN 5 |
| 7320 / 6354 | DEF AT Bathysiphon fauna | DEF IN 5 |
| 7350 / 6378 | DEF AT local marker deep water fauna | DEF AT 6 |
| 7467 / 6469 | DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis | DEF AT 6 |
| 7468 / 6470 | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT 6 |
| 7469 / 6471 | DEF AT Upper Miocene (Tortonian) Cyclamina 3 | DEF AT 6 |
| 7470 / 6472 | DEF AT Eggerella 3 (local marker) | DEF AT 6 |
| 7500 / 6495 | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT 6 |
| 7648 / 6611 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 254 | Date of Summary: 09-FEB-1988 | First Sample Examined: 6000 |
| Lease Number: G05054 | Source of Paleo: OPERATOR | Borehole MD: 10253 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8814 |
| API Well Number: 177244040500 | Drilling Operator: HUGHES-DENNY OFFSHORE EXPLORAT | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 10253 | Water Depth: 280 |
| Public Info Code: Y 23-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7649 / 6612 | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 6 |
| 7650 / 6612 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 6 |
| 7830 / 6753 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 6 |
| 7860 / 6776 | DEF AT pyrite | DEF AT 6 |
| 7978 / 6871 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 6 |
| 7979 / 6872 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 6 |
| 7980 / 6872 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 6 |
| 8010 / 6897 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 6 |
| 8070 / 6946 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 6 |
| 8129 / 6995 | DEF AT Cyclamina cancellata (local marker) | DEF AT 6 |
| 8130 / 6996 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 6 |
| 8250 / 7096 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 6 |
| 8280 / 7121 | DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi | DEF AT 6 |
| 8369 / 7197 | DEF AT pyrite | DEF AT 6 |
| 8370 / 7198 | DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius | DEF AT 6 |
| 8609 / 7404 | DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri | DEF AT 5 |
| 8610 / 7404 | DEF AT Upper Oligocene (Chattian) Globigerina sellii | DEF AT 5 |
| 8670 / 7456 | DEF AT Upper Oligocene (Chattian) Globorotalia opima nana | DEF AT 5 |
| 8790 / 7561 | DEF AT Upper Oligocene (Chattian) Globorotalia opima opima | DEF AT 5 |
| 8820 / 7587 | DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis | DEF AT 5 |
| 8910 / 7665 | DEF AT Lower Oligocene (Rupelian) Cibicides pippeni | DEF AT 5 |
| 8970 / 7718 | DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis | DEF AT 5 |
| 9000 / 7744 | DEF AT Middle Eocene (Bartonian) Morozovella lehneri | DEF AT 5 |
| 9480 / 8165 | DEF AT Middle Eocene (Bartonian) Subbotina frontosa | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 254 | Date of Summary: 09-FEB-1988 | First Sample Examined: 6000 |
| Lease Number: G05054 | Source of Paleo: OPERATOR | Borehole MD: 10253 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8814 |
| API Well Number: 177244040500 | Drilling Operator: HUGHES-DENNY OFFSHORE EXPLORAT | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 10253 | Water Depth: 280 |
| Public Info Code: Y 23-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 9630 / 8293 | DEF AT Middle Eocene (Bartonian) Acarinina broedermanni | DEF AT 5 |
| 9718 / 8366 | DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae | DEF AT 5 |
| 9719 / 8367 | DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa | DEF AT 5 |
| 9720 / 8368 | DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis | DEF AT 5 |
| 9840 / 8468 | DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis | DEF AT 5 |
| 9927 / 8540 | DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla | DEF AT 5 |
| 9928 / 8541 | DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides | DEF AT 5 |
| 9929 / 8542 | DEF AT Upper Paleocene (Thanetian) Morozovella uncinata | DEF AT 5 |
| 9930 / 8543 | DEF AT Upper Paleocene (Selandian) Globorotalia inconstans | DEF AT 5 |
| 10050 / 8643 | DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis | DEF AT 5 |
| 10110 / 8694 | POS AT Upper Cretaceous (Campanian) Globotruncana elevata | DEF IN 2 |
| 10115 / 8698 | DEF AT cement | DEF IN 1 |
| 10116 / 8699 | POS AT Upper-Lower Cretaceous Washita Group/Provincial Stage | DEF IN 1 |
| 10200 / 8769 | DEF AT drilling material | DEF IN 1 |
| 10253 / 8814 | DEF AT last sample examined | DEF IN 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 254 | Date of Summary: 08-FEB-1988 | First Sample Examined: 6000 |
| Lease Number: G05055 | Source of Paleo: OPERATOR | Borehole MD: 8974 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8725 |
| API Well Number: 177244040800 | Drilling Operator: HUGHES-DENNY OFFSHORE EXPLORAT | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 8976 | Water Depth: 280 |
| Public Info Code: Y 23-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6000 / 5827 | DEF AT first sample examined | DEF AT 5 |
| 6001 / 5828 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT 5 |
| 6002 / 5829 | DEF IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 5 |
| 6240 / 6058 | DEF AT Eggerella 3 (local marker) | DEF AT 5 |
| 6390 / 6202 | POS AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT 5 |
| 6900 / 6693 | POS AT Upper Miocene (Tortonian) Cibicides trincherasensis | DEF AT 5 |
| 7050 / 6839 | DEF AT Upper Miocene (Tortonian) Cyclamina 3 | DEF AT 5 |
| 7110 / 6897 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 5 |
| 7140 / 6926 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 5 |
| 7290 / 7071 | POS AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 5 |
| 7320 / 7100 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 7499 / 7274 | DEF AT pyrite | DEF AT 5 |
| 7500 / 7275 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 5 |
| 7740 / 7508 | DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis | DEF AT 5 |
| 7770 / 7538 | DEF AT Upper Oligocene (Chattian) Globorotalia opima nana | DEF AT 5 |
| 7800 / 7567 | DEF AT Upper Oligocene (Chattian) Globorotalia opima opima | DEF AT 5 |
| 7830 / 7596 | DEF AT Upper Oligocene (Chattian) Bolivina mexicana | DEF AT 5 |
| 7920 / 7684 | DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra | DEF AT 5 |
| 7950 / 7713 | DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis | DEF AT 5 |
| 7980 / 7742 | DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana | DEF AT 5 |
| 8010 / 7772 | DEF AT Middle Eocene (Bartonian) Morozovella lehneri | DEF AT 5 |
| 8039 / 7800 | DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 254 | Date of Summary: 08-FEB-1988 | First Sample Examined: 6000 |
| Lease Number: G05055 | Source of Paleo: OPERATOR | Borehole MD: 8974 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8725 |
| API Well Number: 177244040800 | Drilling Operator: HUGHES-DENNY OFFSHORE EXPLORAT | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 8976 | Water Depth: 280 |
| Public Info Code: Y 23-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 8040 / 7801 | DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis | DEF AT 5 |
| 8100 / 7860 | DEF AT limestone | DEF AT 5 |
| 8310 / 8066 | DEF AT Middle Eocene (Bartonian) Subbotina frontosa | DEF AT 5 |
| 8430 / 8184 | DEF AT Lower Eocene (Ypresian) Morozovella quetra | DEF AT 5 |
| 8518 / 8271 | DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae | DEF AT 5 |
| 8519 / 8272 | DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa | DEF AT 5 |
| 8520 / 8273 | DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis | DEF AT 5 |
| 8669 / 8421 | DEF AT Bathysiphon fauna | DEF AT 5 |
| 8670 / 8422 | DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis | DEF AT 5 |
| 8728 / 8479 | DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla | DEF AT 5 |
| 8729 / 8480 | DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides | DEF AT 5 |
| 8730 / 8481 | DEF AT Upper Paleocene (Thanetian) Morozovella uncinata | DEF AT 5 |
| 8874 / 8624 | DEF AT limestone | DEF IN 2 |
| 8875 / 8625 | DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata | DEF IN 2 |
| 8900 / 8650 | DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis | DEF IN 1 |
| 8976 / | DEF AT last sample examined | DEF IN 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 256 | Date of Summary: 31-JAN-1991 | First Sample Examined: 3500 |
| Lease Number: G10905 | Source of Paleo: OPERATOR | Borehole MD: 9884 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9884 |
| API Well Number: 177244050300 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 3500 - 9884 | Water Depth: 350 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3500 / 3476 | DEF AT first sample examined | DEF IN 4 |
| 3501 / 3477 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF IN 4 |
| 3680 / 3655 | DEF AT - - - - - | DEF AT 5 |
| 4400 / 4354 | DEF AT - - - - - | DEF AT 6 |
| 4580 / 4532 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 4640 / 4591 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 7670 / 7560 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 6 |
| 8180 / 8063 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 6 |
| 8870 / 8715 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 6 |
| 8990 / 8836 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 6 |
| 9080 / 8925 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 6 |
| 9884 / 9726 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 256 | Date of Summary: 31-JAN-1991 | First Sample Examined: 9250 |
| Lease Number: G10905 | Source of Paleo: OPERATOR | Borehole MD: 10250 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9702 |
| API Well Number: 177244050301 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 3880 - 10250 | Water Depth: 350 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9250 / 8754 | DEF AT first sample examined | DEF AT 6 |
| 9251 / 8755 | DEF IN Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 6 |
| 9490 / 8978 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 6 |
| 9520 / 9006 | POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 6 |
| 10250 / 9702 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: MP 262 | Date of Summary: 03-APR-1990 | First Sample Examined: 970 |
| Lease Number: G10906 | Source of Paleo: OPERATOR | Borehole MD: 11505 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11081 |
| API Well Number: 177244047500 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 970 - 11505 | Water Depth: 291 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 970 / 970 | DEF AT first sample examined | DEF AT 3 |
| 1600 / 1600 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 1840 / 1840 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 2320 / 2320 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 2590 / 2590 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 3780 / 3780 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 4170 / 4170 | DEF AT sample gap top | POS AT 4 |
| 4890 / 4890 | DEF AT sample gap bottom | DEF AT 3 |
| 5399 / 5399 | DEF AT Cyclammina sp. (local marker) | DEF AT 4 |
| 5400 / 5400 | POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 5570 / 5570 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5850 / 5850 | POS AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 6000 / 6000 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 6330 / 6330 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 7469 / 7454 | DEF AT deepwater facies Listerella fauna | DEF AT 5 |
| 7470 / 7455 | DEF IN Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 5 |
| 8039 / 7985 | DEF AT Bathysiphon fauna | DEF AT 5 |
| 8040 / 7986 | DEF AT Cyclammina cancellata (local marker) | DEF AT 5 |
| 8430 / 8342 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 8700 / 8584 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 9219 / 9036 | DEF AT Bathysiphon fauna | DEF AT 6 |
| 9220 / 9037 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: MP 262 | Date of Summary: 03-APR-1990 | First Sample Examined: 970 |
| Lease Number: G10906 | Source of Paleo: OPERATOR | Borehole MD: 11505 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11081 |
| API Well Number: 177244047500 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 970 - 11505 | Water Depth: 291 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 10274 / 9965 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 10400 / 10078 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 10793 / 10433 | DEF AT faunal change (no faunal increase) | DEF AT 6 |
| 10875 / 10508 | DEF AT Bathysiphon fauna | DEF AT 6 |
| 10876 / 10509 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 6 |
| 11136 / 10745 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT 6 |
| 11271 / 10868 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 11505 / 11080 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 262 | Date of Summary: 20-DEC-2000 | First Sample Examined: 0 |
| Lease Number: G15390 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4060 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 2782 |
| API Well Number: 177244076100 | Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 283 |
| Public Info Code: Y 16-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2968 / 2691 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 262 | Date of Summary: 24-MAR-2000 | First Sample Examined: 0 |
| Lease Number: G15390 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5951 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 2967 |
| API Well Number: 177244072101 | Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 288 |
| Public Info Code: Y 16-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3355 / 2962 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 262 | Date of Summary: 24-MAR-2000 | First Sample Examined: 0 |
| Lease Number: G15390 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5665 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 3289 |
| API Well Number: 177244072201 | Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 290 |
| Public Info Code: Y 16-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3060 / 2689 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 262 | Date of Summary: 19-AUG-1998 | First Sample Examined: 0 |
| Lease Number: G15390 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14889 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 13501 |
| API Well Number: 177244082000 | Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 290 |
| Public Info Code: Y 16-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2970 / 2970 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 273 | Date of Summary: 23-DEC-1986 | First Sample Examined: 3530 |
| Lease Number: G04918 | Source of Paleo: OPERATOR | Borehole MD: 7191 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7096 |
| API Well Number: 177244036900 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 3530 - 7191 | Water Depth: 220 |
| Public Info Code: Y 20-JAN-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3530 / 3493 | DEF AT first sample examined | DEF IN 3 |
| 3531 / 3494 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 3 |
| 3830 / 3773 | DEF AT pyrite | DEF IN 3 |
| 4460 / 4374 | DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF IN 3 |
| 4520 / 4432 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 4940 / 4846 | POS AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 5840 / 5746 | POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 3 |
| 6440 / 6345 | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 7191 / 7096 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 273 | Date of Summary: 13-JAN-1987 | First Sample Examined: 4123 |
| Lease Number: G04918 | Source of Paleo: OPERATOR | Borehole MD: 8164 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6350 |
| API Well Number: 177244037100 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 4123 - 8164 | Water Depth: 220 |
| Public Info Code: Y 08-FEB-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4123 / 3809 | DEF AT first sample examined | DEF IN 3 |
| 4190 / 3853 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF IN 3 |
| 5630 / 4736 | DEF AT local marker foram increase | DEF IN 3 |
| 8164 / 6350 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 286 | Date of Summary: 15-JUN-1997 | First Sample Examined: 0 |
| Lease Number: G13663 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4500 |
| API Well Number: 177244078500 | Drilling Operator: ENERGY DEVELOPMENT CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 292 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3850 / 3850 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 292 | Date of Summary: 23-AUG-1994 | First Sample Examined: 0 |
| Lease Number: G10912 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15600 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15600 |
| API Well Number: 177244068800 | Drilling Operator: DAVIS PETROLEUM CORP | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 228 |
| Public Info Code: Y 04-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12468 / 12466 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 12570 / 12568 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 13880 / 13878 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 15290 / 15287 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: MP 292 | Date of Summary: 06-JAN-1995 | First Sample Examined: 0 |
| Lease Number: G10912 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16285 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 15602 |
| API Well Number: 177244072900 | Drilling Operator: DAVIS PETROLEUM CORP | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 228 |
| Public Info Code: Y 04-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10495 / 10459 | DEF AT Upper Miocene (Tortonian) Robulus 15 | DEF AT |
| 12120 / 11886 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 13060 / 12723 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 15625 / 15013 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 293 | Date of Summary: 09-OCT-1984 | First Sample Examined: 2000 |
| Lease Number: G21712 | Source of Paleo: OPERATOR | Borehole MD: 9150 |
| Well Name: A014 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 7948 |
| API Well Number: 177244031500 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 2 | Sample Range: 2000 - 5480 | Water Depth: 247 |
| Public Info Code: Y 16-OCT-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 2000 / 2000 | DEF AT first sample examined | DEF AT 3 |
| 2001 / 2001 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 2090 / 2090 | POS AT unconformity | POS AT 3 |
| 2240 / 2239 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 2480 / 2475 | DEF AT non-marine sediment | DEF AT 0 |
| 2509 / 2503 | POS AT unconformity | DEF AT 1 |
| 2510 / 2504 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 1 |
| 2540 / 2532 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 2541 / 2533 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 2630 / 2618 | POS AT unconformity | DEF AT 1 |
| 2631 / 2619 | DEF AT non-marine sediment | DEF AT 0 |
| 3230 / 3163 | DEF AT non-marine sediment | DEF AT 0 |
| 3740 / 3582 | DEF AT non-marine sediment | DEF AT 0 |
| 3770 / 3606 | POS AT unconformity | DEF AT 1 |
| 3860 / 3678 | DEF AT non-marine sediment | DEF AT 0 |
| 5330 / 4857 | POS AT unconformity | DEF AT |
| 5480 / 4974 | DEF AT last sample examined | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 293 | Date of Summary: 09-OCT-1984 | First Sample Examined: 5000 |
| Lease Number: G21712 | Source of Paleo: OPERATOR | Borehole MD: 9150 |
| Well Name: A014 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 7948 |
| API Well Number: 177244031500 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 2 of 2 | Sample Range: 5000 - 9140 | Water Depth: 247 |
| Public Info Code: Y 16-OCT-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 5000 / 4594 | DEF AT first sample examined | DEF AT 1 |
| 5001 / 4595 | POS IN Pliocene | DEF AT 1 |
| 6680 / 5899 | DEF AT non-marine sediment | DEF AT 0 |
| 7750 / 6769 | DEF AT non-marine sediment | DEF AT 0 |
| 7970 / 6954 | DEF AT unconformity | DEF AT |
| 8090 / 7055 | DEF AT unconformity | DEF AT |
| 8780 / 7638 | DEF AT non-marine sediment | DEF AT 0 |
| 9140 / 7940 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 293 | Date of Summary: 15-DEC-1984 | First Sample Examined: 1950 |
| Lease Number: G21712 | Source of Paleo: OPERATOR | Borehole MD: 8500 |
| Well Name: A015 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 7987 |
| API Well Number: 177244032000 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 1950 - 8500 | Water Depth: 247 |
| Public Info Code: Y 12-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 1950 / 1950 | DEF AT first sample examined | DEF AT 2 |
| 1980 / 1980 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 2040 / 2040 | POS AT faunal change (no faunal increase) | DEF AT 3 |
| 2130 / 2130 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 2190 / 2190 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 2430 / 2430 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 2460 / 2460 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 2520 / 2519 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 2550 / 2549 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 2580 / 2579 | POS AT unconformity | DEF AT 2 |
| 2940 / 2938 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 3030 / 3027 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 3150 / 3144 | POS AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 1 |
| 3180 / 3173 | DEF AT reworked material | DEF AT 1 |
| 3810 / 3761 | POS AT reworked material | DEF AT 2 |
| 3870 / 3815 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 4140 / 4056 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 4170 / 4083 | DEF AT reworked material | DEF AT 2 |
| 4350 / 4243 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 5040 / 4857 | DEF AT reworked material | DEF AT 1 |
| 5400 / 5175 | POS AT faunal change (no faunal increase) | DEF AT 2 |
| 5460 / 5228 | DEF AT faunal change (no faunal increase) | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 293 | Date of Summary: 15-DEC-1984 | First Sample Examined: 1950 |
| Lease Number: G21712 | Source of Paleo: OPERATOR | Borehole MD: 8500 |
| Well Name: A015 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 7987 |
| API Well Number: 177244032000 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 1950 - 8500 | Water Depth: 247 |
| Public Info Code: Y 12-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5760 / 5494 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 1 |
| 5850 / 5574 | POS AT unconformity | DEF AT 1 |
| 6090 / 5788 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 8500 / 7987 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MP 293 | Date of Summary: 15-DEC-1984 | First Sample Examined: 7990 |
| Lease Number: G21712 | Source of Paleo: OPERATOR | Borehole MD: 8500 |
| Well Name: A015 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 7961 |
| API Well Number: 177244032001 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 7990 - 8500 | Water Depth: 247 |
| Public Info Code: Y 20-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 7990 / 7493 | DEF AT first sample examined | DEF AT 1 |
| 8440 / 7906 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 297 | Date of Summary: 25-MAR-1985 | First Sample Examined: 0 |
| Lease Number: G05730 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5817 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 5378 |
| API Well Number: 177244031800 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 224 |
| Public Info Code: Y 06-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5100 / 4722 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 297 | Date of Summary: 09-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G05730 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6317 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 4954 |
| API Well Number: 177244032600 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 224 |
| Public Info Code: Y 06-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4130 / 3486 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 6040 / 4772 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 297 | Date of Summary: 09-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G05730 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6893 |
| Well Name: A006 | Paleo Done By: OPERATOR | Borehole TVD: 5392 |
| API Well Number: 177244031900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 224 |
| Public Info Code: Y 06-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6113 / 4741 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 297 | Date of Summary: 07-JUL-1984 | First Sample Examined: 0 |
| Lease Number: G05730 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8585 |
| Well Name: A007 | Paleo Done By: OPERATOR | Borehole TVD: 4401 |
| API Well Number: 177244032400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 224 |
| Public Info Code: Y 06-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4730 / 3484 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 297 | Date of Summary: 24-JAN-1985 | First Sample Examined: 0 |
| Lease Number: G05730 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10221 |
| Well Name: A008 | Paleo Done By: OPERATOR | Borehole TVD: 6268 |
| API Well Number: 177244033200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 224 |
| Public Info Code: Y 06-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7660 / 4654 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|----------------------------|
| Area Block: MP 299 | Date of Summary: 14-FEB-1990 | First Sample Examined: 530 |
| Lease Number: G01316 | Source of Paleo: OPERATOR | Borehole MD: 1910 |
| Well Name: 011 | Paleo Done By: OPERATOR | Borehole TVD: 1910 |
| API Well Number: 177244047300 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 530 - 1910 | Water Depth: 212 |
| Public Info Code: Y 29-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 530 / 530 | DEF AT first sample examined | DEF AT 1 |
| 590 / 590 | DEF AT - - - - - | DEF AT 2 |
| 1010 / 1010 | DEF AT - - - - - | DEF AT 1 |
| 1070 / 1070 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 1250 / 1250 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 1310 / 1310 | DEF AT - - - - - | DEF AT 2 |
| 1411 / 1411 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 2 |
| 1477 / 1477 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 1550 / 1550 | DEF AT local marker foram decrease | DEF AT |
| 1910 / 1910 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MP 299 | Date of Summary: 12-AUG-1993 | First Sample Examined: 6670 |
| Lease Number: G01316 | Source of Paleo: OPERATOR | Borehole MD: 7650 |
| Well Name: AA008 | Paleo Done By: OPERATOR | Borehole TVD: 6719 |
| API Well Number: 177244040300 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 123 |
| Paleo Report Num: 1 of 1 | Sample Range: 6670 - 9505 | Water Depth: 205 |
| Public Info Code: Y 07-NOV-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 6670 / 6138 | DEF AT first sample examined | DEF AT 2 |
| 6820 / 6270 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 6880 / 6322 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 7030 / 6454 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 7210 / 6612 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 8290 / | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 8350 / | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 1 |
| 8440 / | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 8650 / | POS IN Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 2 |
| 8710 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 8860 / | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 8920 / | POS IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 9070 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 9340 / | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 9370 / | DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 5 |
| 9430 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 9505 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 306 | Date of Summary: 22-JAN-1985 | First Sample Examined: 3330 |
| Lease Number: G01677 | Source of Paleo: OPERATOR | Borehole MD: 13941 |
| Well Name: D021 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13751 |
| API Well Number: 177244021000 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 2 | Sample Range: 3330 - 8730 | Water Depth: 255 |
| Public Info Code: Y 02-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3330 / 3330 | DEF AT first sample examined | DEF IN 3 |
| 3331 / 3331 | DEF AT poor sample interval top | DEF IN 3 |
| 3332 / 3332 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 3 |
| 4980 / 4953 | DEF AT - - - - - | DEF AT 4 |
| 5160 / 5133 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |
| 8190 / 8124 | DEF AT poor sample interval bottom | DEF AT 4 |
| 8220 / 8154 | DEF AT - - - - - | DEF AT 5 |
| 8280 / 8213 | POS AT salt | POS AT 5 |
| 8730 / 8656 | DEF AT last sample examined | POS AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 306 | Date of Summary: 22-JAN-1985 | First Sample Examined: 8720 |
| Lease Number: G01677 | Source of Paleo: OPERATOR | Borehole MD: 13941 |
| Well Name: D021 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13751 |
| API Well Number: 177244021000 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 105 |
| Paleo Report Num: 2 of 2 | Sample Range: 8720 - 13930 | Water Depth: 255 |
| Public Info Code: Y 02-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8720 / 8646 | DEF AT first sample examined | DEF AT 5 |
| 9740 / 9602 | DEF AT - - - - - | DEF AT 6 |
| 10400 / 10235 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 6 |
| 13300 / 13115 | POS AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 6 |
| 13810 / 13621 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 6 |
| 13930 / 13740 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MP 306 | Date of Summary: 04-FEB-1985 | First Sample Examined: 3140 |
| Lease Number: G01677 | Source of Paleo: OPERATOR | Borehole MD: 7300 |
| Well Name: D022 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6800 |
| API Well Number: 177244021300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 3140 - 7300 | Water Depth: 255 |
| Public Info Code: Y 27-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3140 / 3002 | DEF AT first sample examined | DEF IN 3 |
| 3380 / 3222 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 3 |
| 5240 / 4927 | DEF AT - - - - | DEF AT 4 |
| 5450 / 5124 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |
| 7300 / 6866 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MP 306 | Date of Summary: 20-AUG-1996 | First Sample Examined: 0 |
| Lease Number: G13062 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15535 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12061 |
| API Well Number: 177244074000 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 300 |
| Public Info Code: Y 07-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10890 / 8571 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT |
| 11695 / 9178 | DEF AT deepwater facies Listerella fauna | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MP 309 | Date of Summary: 14-FEB-1990 | First Sample Examined: 1420 |
| Lease Number: G08760 | Source of Paleo: OPERATOR | Borehole MD: 8000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8000 |
| API Well Number: 177244047100 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 125 |
| Paleo Report Num: 1 of 1 | Sample Range: 1420 - 8000 | Water Depth: 260 |
| Public Info Code: Y 04-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1420 / | DEF AT first sample examined | DEF AT 3 |
| 2260 / | DEF AT ----- | DEF AT 2 |
| 2349 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 2350 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 2 |
| 2360 / | DEF AT ----- | DEF AT 3 |
| 2440 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 2530 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 2621 / | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 3 |
| 2650 / | DEF AT ----- | DEF AT 2 |
| 3070 / | DEF AT ----- | DEF AT 3 |
| 3130 / | DEF AT ----- | DEF AT 2 |
| 3310 / | DEF AT ----- | DEF AT 3 |
| 3580 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 5710 / | DEF AT ----- | DEF AT 2 |
| 6610 / | DEF AT ----- | DEF AT 3 |
| 6940 / | DEF AT poor sample interval top | DEF AT |
| 7389 / | DEF AT poor sample interval bottom | DEF AT |
| 7390 / | DEF AT ----- | DEF AT 3 |
| 7510 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 7600 / | DEF AT ----- | DEF AT 3 |
| 7780 / | DEF AT ----- | DEF AT 4 |
| 8000 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|------------------------------|
| Area Block: MP 313 | Date of Summary: 23-JUL-1998 | First Sample Examined: 16230 |
| Lease Number: G21697 | Source of Paleo: OPERATOR | Borehole MD: 21920 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 20746 |
| API Well Number: 177244080100 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 134 |
| Paleo Report Num: 1 of 1 | Sample Range: 16230 - 21920 | Water Depth: 273 |
| Public Info Code: Y 25-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 16230 / 15564 | DEF AT first sample examined | DEF AT 3 |
| 16231 / 15565 | DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT 3 |
| 16260 / 15588 | DEF IN Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 3 |
| 17100 / 16308 | DEF AT transported shelf fauna | POS AT 3 |
| 17310 / 16486 | DEF AT - - - - - | DEF AT 4 |
| 17580 / 16712 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 4 |
| 17820 / 16913 | DEF AT transported shelf fauna | POS AT 4 |
| 17990 / 17054 | DEF AT - - - - - | DEF IN 2 |
| 18930 / 17847 | DEF AT - - - - - | DEF IN 3 |
| 18990 / 17899 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF IN 3 |
| 19620 / 18477 | POS AT transported shelf fauna | POS IN 3 |
| 19980 / 18825 | DEF AT - - - - - | DEF AT 3 |
| 20160 / 19001 | DEF AT - - - - - | POS AT 3 |
| 20990 / 19823 | DEF AT - - - - - | DEF AT 3 |
| 21300 / 20131 | DEF AT transported shelf fauna | POS AT 3 |
| 21479 / 20309 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | POS AT 3 |
| 21480 / 20310 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | POS AT 3 |
| 21570 / 20399 | DEF AT Middle Miocene (Serravallian) Cibicides opima | POS AT 3 |
| 21690 / 20518 | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 4 |
| 21810 / 20638 | DEF AT transported shelf fauna | POS AT 4 |
| 21920 / 20747 | DEF AT last sample examined | POS AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 736 | Date of Summary: 06-JAN-1995 | First Sample Examined: 0 |
| Lease Number: G11244 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13080 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11020 |
| API Well Number: 427124011000 | Drilling Operator: EOG RESOURCES INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 157 |
| Public Info Code: Y 23-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6500 / 6451 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 9500 / 8530 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 738 | Date of Summary: 26-JUL-1990 | First Sample Examined: 0 |
| Lease Number: G11214 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10096 |
| API Well Number: 427024018200 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 141 |
| Public Info Code: Y 02-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5120 / 5120 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 5810 / 5810 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7550 / 7550 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 738 | Date of Summary: 04-OCT-1994 | First Sample Examined: 0 |
| Lease Number: G11214 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6800 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 6800 |
| API Well Number: 427024023500 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 136 |
| Public Info Code: Y 02-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4853 / 4853 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 5072 / 5072 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 5745 / 5745 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: MU 739 | Date of Summary: 04-DEC-1984 | First Sample Examined: 4450 |
| Lease Number: G04064 | Source of Paleo: OPERATOR | Borehole MD: 13272 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13269 |
| API Well Number: 427024010300 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 4450 - 13270 | Water Depth: 123 |
| Public Info Code: Y 27-DEC-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4450 / 4450 | DEF AT first sample examined | DEF IN 3 |
| 5240 / 5240 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF IN 3 |
| 5450 / 5450 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF IN 3 |
| 5720 / 5720 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF IN 3 |
| 7100 / 7100 | POS AT Lower Miocene (Burdigalian) Robulus chambersi | DEF IN 3 |
| 10480 / 10479 | DEF AT - - - - - | DEF AT 4 |
| 11230 / 11229 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 4 |
| 13270 / 13269 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 739 | Date of Summary: 30-OCT-1985 | First Sample Examined: 0 |
| Lease Number: G04064 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12629 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 12102 |
| API Well Number: 427024011400 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 123 |
| Public Info Code: Y 06-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11200 / 10749 | DEF AT - - - - - | DEF AT 3 |
| 11500 / 11032 | DEF AT Lower Miocene (Aquitanian) Siphonina davis | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 739 | Date of Summary: 28-SEP-1995 | First Sample Examined: 0 |
| Lease Number: G04064 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12629 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 12102 |
| API Well Number: 427024011400 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 123 |
| Public Info Code: Y 06-MAY-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6431 / 6306 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7265 / 7086 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 10905 / 10474 | DEF AT - - - - - | DEF AT 3 |
| 11330 / 10870 | DEF AT Lower Miocene (Aquitanian) Siphonina davisi | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 739 | Date of Summary: 05-SEP-1997 | First Sample Examined: 0 |
| Lease Number: G04064 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12655 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 12222 |
| API Well Number: 427024013400 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 123 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 5000 / 5000 | DEF AT - - - - - | DEF AT 3 |
| 5300 / 5300 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 5740 / 5740 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 6960 / 6904 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 8700 / 8500 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 11270 / 10908 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 739 | Date of Summary: 28-SEP-1995 | First Sample Examined: 0 |
| Lease Number: G04064 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12819 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 12342 |
| API Well Number: 427024013900 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 123 |
| Public Info Code: Y 01-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4500 / 4297 | DEF AT ----- | DEF AT 2 |
| 5000 / 4759 | DEF AT ----- | DEF AT 3 |
| 5590 / 5296 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 6670 / 6286 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 7390 / 6962 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 11080 / 10626 | DEF AT ----- | DEF AT 4 |
| 11410 / 10955 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 740 | Date of Summary: 07-FEB-1987 | First Sample Examined: 0 |
| Lease Number: G05980 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13034 |
| Well Name: C002 | Paleo Done By: OPERATOR | Borehole TVD: 12603 |
| API Well Number: 427024014300 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 10-JAN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4892 / 4892 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 5730 / 5730 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7107 / 7107 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 11114 / 10963 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MU 751 | Date of Summary: 19-APR-1991 | First Sample Examined: 6000 |
| Lease Number: G05983 | Source of Paleo: OPERATOR | Borehole MD: 17300 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 14940 |
| API Well Number: 427024019400 | Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 17300 | Water Depth: 80 |
| Public Info Code: Y 30-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Sidetrack reports 1 and 2

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 6000 / 5935 | DEF AT first sample examined | DEF AT |
| 6240 / 6167 | POS AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 7320 / 7253 | DEF AT Upper Oligocene (Chattian) Discorbis gravelli | DEF AT |
| 7770 / 7677 | DEF AT Upper Oligocene (Chattian) Cibicides jeffersonensis | DEF AT |
| 9330 / 9072 | POS AT Upper Oligocene (Chattian) Marginulina idiomorpha | DEF AT |
| 9720 / 9395 | POS AT Upper Oligocene (Chattian) Marginulina vaginata | DEF AT |
| 10830 / 10237 | POS AT Upper Oligocene (Chattian) Marginulina texana | DEF AT |
| 17280 / 14858 | DEF IN Upper Oligocene (Chattian) Marginulina texana | DEF AT |
| 17300 / 14871 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 754 | Date of Summary: 26-JAN-2000 | First Sample Examined: 0 |
| Lease Number: G05981 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8176 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7500 |
| API Well Number: 427024011800 | Drilling Operator: FORCENERGY INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 93 |
| Public Info Code: Y 12-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7280 / 6699 | DEF AT Lower Miocene (Aquitanian) Siphonina davis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 754 | Date of Summary: 19-MAR-1985 | First Sample Examined: 0 |
| Lease Number: G05985 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8468 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7532 |
| API Well Number: 427024011600 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 93 |
| Public Info Code: Y 10-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7042 / 6306 | DEF IN Lower Miocene (Aquitanian) Siphonina davis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 754 | Date of Summary: 25-JAN-1985 | First Sample Examined: 0 |
| Lease Number: G05985 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8019 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8018 |
| API Well Number: 427024011300 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 93 |
| Public Info Code: Y 05-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4240 / 4240 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6730 / 6730 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 7690 / 7690 | DEF AT Upper Oligocene (Chattian) Discorbis gravelli | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 755 | Date of Summary: 02-AUG-1990 | First Sample Examined: 0 |
| Lease Number: G11215 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12286 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12286 |
| API Well Number: 427024018700 | Drilling Operator: DIAMOND SHAMROCK OFFSHORE PARTNERS | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11540 / 11538 | DEF AT Lower Miocene (Aquitanian) Siphonina davis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 756 | Date of Summary: 16-AUG-1995 | First Sample Examined: 0 |
| Lease Number: G14102 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15580 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15560 |
| API Well Number: 427024024800 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 125 |
| Public Info Code: Y 30-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: 12880=Lower Miocene (Aquitanian) Textularia panamensis

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7167 / 7167 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 10990 / 10989 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 11710 / 11708 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |
| 12880 / 12869 | DEF IN Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |
| 15460 / 15441 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 757 | Date of Summary: 01-AUG-1995 | First Sample Examined: 0 |
| Lease Number: G03020 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11257 |
| Well Name: B003 | Paleo Done By: OPERATOR | Borehole TVD: 9096 |
| API Well Number: 427024024900 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 142 |
| Public Info Code: Y 03-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 5220 / 4805 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 5990 / 5352 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6782 / 5920 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8700 / 7282 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9034 / 7521 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 758 | Date of Summary: 22-OCT-1996 | First Sample Examined: 0 |
| Lease Number: G03020 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8866 |
| Well Name: 008 | Paleo Done By: OPERATOR | Borehole TVD: 8200 |
| API Well Number: 427024025700 | Drilling Operator: EOG RESOURCES INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 145 |
| Public Info Code: Y 03-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5230 / 5227 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 5777 / 5767 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7758 / 7391 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 758 | Date of Summary: 30-JUN-1998 | First Sample Examined: 0 |
| Lease Number: G03020 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9000 |
| Well Name: 009 | Paleo Done By: OPERATOR | Borehole TVD: 9000 |
| API Well Number: 427024026700 | Drilling Operator: CHIEFTAIN INTERNATIONAL US INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 148 |
| Public Info Code: Y 03-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4700 / 4700 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 5475 / 5475 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6113 / 6113 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8070 / 8070 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 781 | Date of Summary: 06-AUG-1985 | First Sample Examined: 0 |
| Lease Number: G05993 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12536 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11612 |
| API Well Number: 427024012100 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 133 |
| Public Info Code: Y 31-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4792 / 4555 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 5630 / 5336 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6050 / 5727 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6620 / 6257 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7250 / 6838 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 7430 / 7001 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 12260 / 11389 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MU 784 | Date of Summary: 18-MAR-1992 | First Sample Examined: 5870 |
| Lease Number: G05996 | Source of Paleo: OPERATOR | Borehole MD: 13660 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 12467 |
| API Well Number: 427024009600 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 5800 - 13660 | Water Depth: 180 |
| Public Info Code: Y 29-NOV-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5870 / 5462 | DEF AT first sample examined | DEF AT 1 |
| 6470 / 5995 | DEF AT - - - - - | DEF AT 2 |
| 6770 / 6261 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 7730 / 7109 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 7800 / 7171 | DEF AT - - - - - | DEF AT 1 |
| 9170 / 8412 | DEF AT - - - - - | DEF AT 2 |
| 13160 / 12050 | DEF AT - - - - - | DEF AT 1 |
| 13550 / 12376 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 1 |
| 13660 / 12467 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MU 784 | Date of Summary: 18-MAR-1992 | First Sample Examined: 5000 |
| Lease Number: G05996 | Source of Paleo: OPERATOR | Borehole MD: 12650 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9995 |
| API Well Number: 427024014700 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 12810 | Water Depth: 184 |
| Public Info Code: Y 16-NOV-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 4303 | DEF AT first sample examined | DEF AT 1 |
| 7600 / 6270 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 8470 / 6923 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 12810 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 785 | Date of Summary: 15-AUG-1989 | First Sample Examined: 0 |
| Lease Number: G08975 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10300 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10300 |
| API Well Number: 427024017100 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 195 |
| Public Info Code: Y 10-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5170 / 5170 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6375 / 6375 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7650 / 7650 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 789 | Date of Summary: 08-APR-1997 | First Sample Examined: 0 |
| Lease Number: G13761 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9214 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9209 |
| API Well Number: 427024021100 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 115 |
| Public Info Code: Y 15-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4678 / 4676 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 5208 / 5206 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 5968 / 5966 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 6188 / 6186 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 803 | Date of Summary: 15-NOV-1995 | First Sample Examined: 0 |
| Lease Number: G12416 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8499 |
| API Well Number: 427024025300 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 124 |
| Public Info Code: Y 12-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5098 / 5098 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6218 / 6218 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 6450 / 6450 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MU 811 | Date of Summary: 07-DEC-1993 | First Sample Examined: 3560 |
| Lease Number: G11226 | Source of Paleo: OPERATOR | Borehole MD: 8183 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7776 |
| API Well Number: 427024022000 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 3560 - 8180 | Water Depth: 135 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3560 / 3442 | DEF AT first sample examined | DEF AT 2 |
| 4820 / 4607 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 5030 / 4803 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 5120 / 4887 | DEF AT - - - - - | DEF AT 3 |
| 5300 / 5056 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 6380 / 6072 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 6650 / 6327 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 6740 / 6412 | POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 8000 / 7602 | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 8180 / 7773 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MU 821 | Date of Summary: 09-NOV-1993 | First Sample Examined: 4500 |
| Lease Number: G10153 | Source of Paleo: OPERATOR | Borehole MD: 12000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11998 |
| API Well Number: 427024021800 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 12000 | Water Depth: 85 |
| Public Info Code: Y 06-FEB-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: 10740=Uvigerina canariensis

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4500 / 4500 | DEF AT first sample examined | DEF AT 2 |
| 7230 / 7230 | DEF AT Upper Oligocene (Chattian) Robulus "A" | DEF AT 2 |
| 7740 / 7740 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 8070 / 8070 | DEF AT Upper Oligocene (Chattian) Discorbis gravelli | DEF AT 3 |
| 8280 / 8280 | DEF AT Upper Oligocene (Chattian) Cibicides jeffersonensis | DEF AT 3 |
| 8640 / 8640 | DEF AT Upper Oligocene (Chattian) Bolivina perca | DEF AT 3 |
| 9330 / 9330 | DEF AT Upper Oligocene (Chattian) Marginulina idiomorpha | DEF AT 3 |
| 9450 / 9450 | DEF AT Upper Oligocene (Chattian) Marginulina vaginata | DEF AT 3 |
| 9660 / 9660 | DEF AT Upper Oligocene (Chattian) Marginulina howei | DEF AT 3 |
| 9930 / 9929 | DEF IN Upper Oligocene (Chattian) Marginulina howei | DEF AT 3 |
| 10740 / 10739 | DEF AT Upper Oligocene (Chattian) Camerina "A" | DEF AT 3 |
| 11640 / 11638 | DEF AT Upper Oligocene (Chattian) Cibicides hazzardi | DEF AT 3 |
| 11670 / 11668 | DEF AT Upper Oligocene (Chattian) Marginulina texana | DEF AT 3 |
| 12000 / 11998 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: MU 828 | Date of Summary: 26-JUL-1985 | First Sample Examined: 0 |
| Lease Number: G03043 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7548 |
| Well Name: B006 | Paleo Done By: OPERATOR | Borehole TVD: 7044 |
| API Well Number: 427024012900 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 163 |
| Public Info Code: Y 20-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5589 / 5094 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6124 / 5625 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 828 | Date of Summary: 26-SEP-1984 | First Sample Examined: 0 |
| Lease Number: G06004 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8438 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 8438 |
| API Well Number: 427024010100 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 166 |
| Public Info Code: Y 23-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5060 / 5060 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 5660 / 5660 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7138 / 7138 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 828 | Date of Summary: 02-APR-1985 | First Sample Examined: 0 |
| Lease Number: G06004 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7204 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 6773 |
| API Well Number: 427024011700 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 163 |
| Public Info Code: Y 01-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1200 / 1200 | POS AT Pleistocene | DEF AT |
| 1300 / 1300 | POS AT Pliocene | DEF AT |
| 1630 / 1630 | POS AT Upper (Late) Miocene | DEF AT |
| 3500 / 3500 | POS AT Middle Miocene | DEF AT |
| 5125 / 5071 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 5775 / 5630 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 828 | Date of Summary: 24-APR-1985 | First Sample Examined: 0 |
| Lease Number: G06004 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9200 |
| Well Name: B003 | Paleo Done By: OPERATOR | Borehole TVD: 7761 |
| API Well Number: 427024012200 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 163 |
| Public Info Code: Y 26-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2710 / 2520 | POS AT Upper (Late) Miocene | DEF AT |
| 3930 / 3489 | POS AT Middle Miocene | DEF AT |
| 6593 / 5651 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8343 / 7062 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 828 | Date of Summary: 12-JUN-1985 | First Sample Examined: 0 |
| Lease Number: G06004 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8750 |
| Well Name: B005 | Paleo Done By: OPERATOR | Borehole TVD: 8057 |
| API Well Number: 427024012500 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 163 |
| Public Info Code: Y 19-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5903 / 5266 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6445 / 5781 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 7965 / 7274 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 828 | Date of Summary: 23-DEC-1985 | First Sample Examined: 0 |
| Lease Number: G06004 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10700 |
| Well Name: B007 | Paleo Done By: OPERATOR | Borehole TVD: 8391 |
| API Well Number: 427024013300 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 163 |
| Public Info Code: Y 06-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6375 / 5164 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 7232 / 5778 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 9448 / 7428 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 831 | Date of Summary: 13-JUN-1986 | First Sample Examined: 0 |
| Lease Number: G03043 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9429 |
| Well Name: A007 | Paleo Done By: OPERATOR | Borehole TVD: 7936 |
| API Well Number: 427024009900 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 170 |
| Public Info Code: Y 24-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5636 / 5093 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6523 / 5750 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8452 / 7215 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MU 833 | Date of Summary: 27-SEP-1990 | First Sample Examined: 1000 |
| Lease Number: G10156 | Source of Paleo: OPERATOR | Borehole MD: 7828 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7828 |
| API Well Number: 427024019200 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 7828 | Water Depth: 146 |
| Public Info Code: Y 13-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 1000 / 1000 | DEF AT first sample examined | DEF IN 2 |
| 1150 / 1150 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 2 |
| 3490 / 3490 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF IN 2 |
| 4450 / 4450 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF IN 2 |
| 4660 / 4660 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF IN 2 |
| 5110 / 5110 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5290 / 5290 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 7270 / 7269 | DEF IN Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 7630 / 7629 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 3 |
| 7828 / 7827 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 837 | Date of Summary: 16-DEC-1994 | First Sample Examined: 0 |
| Lease Number: G11232 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15030 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15001 |
| API Well Number: 427024023900 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 88 |
| Public Info Code: Y 23-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7355 / 7354 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 9484 / 9483 | DEF AT Upper Oligocene (Chattian) Marginulina vaginata | DEF AT |
| 11340 / 11337 | DEF AT Upper Oligocene (Chattian) Cibicides hazzardi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MU 847 | Date of Summary: 18-APR-1985 | First Sample Examined: 4530 |
| Lease Number: G06010 | Source of Paleo: OPERATOR | Borehole MD: 9534 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 7586 |
| API Well Number: 427024011100 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 4530 - 9531 | Water Depth: 120 |
| Public Info Code: Y 01-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4530 / 3771 | DEF AT first sample examined | DEF AT 1 |
| 4950 / 4087 | DEF AT - - - - - | DEF AT 2 |
| 5280 / 4338 | DEF AT - - - - - | DEF AT 1 |
| 5520 / 4520 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 1 |
| 7200 / 5781 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 1 |
| 7740 / 6193 | DEF AT non-marine sediment | DEF AT 1 |
| 8010 / 6402 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 1 |
| 8220 / 6564 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT 1 |
| 8430 / 6726 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 1 |
| 9060 / 7215 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT 1 |
| 9120 / 7262 | DEF AT non-marine sediment | DEF AT 1 |
| 9300 / 7405 | DEF AT - - - - - | DEF AT 1 |
| 9531 / 7587 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MU 847 | Date of Summary: 29-APR-1984 | First Sample Examined: 3900 |
| Lease Number: G06011 | Source of Paleo: OPERATOR | Borehole MD: 8043 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7912 |
| API Well Number: 427024008400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 3900 - 8040 | Water Depth: 116 |
| Public Info Code: Y 10-FEB-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3900 / 3900 | DEF AT first sample examined | DEF AT 1 |
| 4080 / 4080 | DEF AT - - - - - | DEF AT 2 |
| 4410 / 4410 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 4680 / 4680 | DEF AT - - - - - | DEF AT 1 |
| 4800 / 4800 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 1 |
| 5160 / 5160 | DEF AT non-marine sediment | DEF AT 0 |
| 5550 / 5542 | DEF AT - - - - - | DEF AT 1 |
| 5670 / 5657 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |
| 5730 / 5715 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 1 |
| 6330 / 6292 | DEF AT non-marine sediment | DEF AT 0 |
| 6660 / 6609 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 1 |
| 6750 / 6696 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT 1 |
| 6840 / 6782 | DEF AT - - - - - | DEF AT 2 |
| 6930 / 6867 | DEF AT - - - - - | DEF AT 1 |
| 6990 / 6924 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 1 |
| 7500 / 7405 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT 1 |
| 7590 / 7490 | DEF AT - - - - - | DEF AT 2 |
| 7680 / 7575 | DEF AT - - - - - | DEF AT 1 |
| 8040 / 7910 | DEF AT last sample examined | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MU 849 | Date of Summary: 17-DEC-1990 | First Sample Examined: 4590 |
| Lease Number: G11233 | Source of Paleo: OPERATOR | Borehole MD: 11173 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8940 |
| API Well Number: 427024019300 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 4590 - 11173 | Water Depth: 163 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4590 / 4515 | DEF AT first sample examined | DEF IN 2 |
| 4740 / 4652 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 5730 / 5408 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 6360 / 5798 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 8070 / 6895 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 10500 / 8506 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 11173 / 8940 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MU 868 | Date of Summary: 22-MAR-1984 | First Sample Examined: 6020 |
| Lease Number: G06013 | Source of Paleo: OPERATOR | Borehole MD: 8156 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8152 |
| API Well Number: 427024008900 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 4 | Sample Range: 1070 - 7610 | Water Depth: 120 |
| Public Info Code: Y 13-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6020 / 6016 | DEF AT first sample examined | DEF AT |
| 6620 / 6616 | POS AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 6740 / 6736 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT |
| 7460 / 7456 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 7580 / 7576 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT |
| 7610 / 7606 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MU 868 | Date of Summary: 27-JUN-1984 | First Sample Examined: 4070 |
| Lease Number: G06013 | Source of Paleo: OPERATOR | Borehole MD: 8156 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8152 |
| API Well Number: 427024008900 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 2 of 4 | Sample Range: 4070 - 8156 | Water Depth: 120 |
| Public Info Code: Y 13-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 4070 / 4070 | DEF AT first sample examined | DEF AT |
| 4220 / 4219 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 4460 / 4459 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6950 / 6946 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 7100 / 7096 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 7430 / 7426 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT |
| 7560 / 7556 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |
| 7980 / 7976 | DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi | DEF AT |
| 8130 / 8126 | DEF AT Upper Oligocene (Chattian) Discorbis gravelli | DEF AT |
| 8156 / 8152 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: MU 868 | Date of Summary: 04-MAY-1989 | First Sample Examined: 4720 |
| Lease Number: G06014 | Source of Paleo: OPERATOR | Borehole MD: 10038 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7901 |
| API Well Number: 427024016800 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 4720 - 10038 | Water Depth: 125 |
| Public Info Code: Y 19-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 4720 / 4011 | DEF AT first sample examined | DEF AT 2 |
| 5410 / 4502 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT 2 |
| 5500 / 4565 | DEF AT - - - - | DEF AT 1 |
| 6910 / 5573 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |
| 7210 / 5786 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 1 |
| 8230 / 6523 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 1 |
| 8500 / 6723 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT 1 |
| 8830 / 6972 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 1 |
| 9520 / 7499 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT 2 |
| 10038 / 7893 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 870 | Date of Summary: 14-AUG-1991 | First Sample Examined: 0 |
| Lease Number: G11237 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8800 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8098 |
| API Well Number: 427024019900 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 170 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 4240 / 4234 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 5050 / 5011 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 5620 / 5530 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 6550 / 6313 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 7630 / 7171 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 8020 / 7482 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |
| 8600 / 7945 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU 876 | Date of Summary: 01-JUN-1988 | First Sample Examined: 0 |
| Lease Number: G06015 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8590 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7740 |
| API Well Number: 427024015400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 121 |
| Public Info Code: Y 26-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4860 / 4444 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT |
| 5290 / 4809 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 6230 / 5613 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 7300 / 6556 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 7730 / 6944 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |
| 8280 / 7450 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 5 | Date of Summary: 30-JUN-1994 | First Sample Examined: 0 |
| Lease Number: G14109 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10960 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10058 |
| API Well Number: 427024022700 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 198 |
| Public Info Code: Y 24-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6450 / 6303 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8120 / 7690 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9337 / 8729 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 10 | Date of Summary: 16-DEC-1994 | First Sample Examined: 0 |
| Lease Number: G13763 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13668 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12600 |
| API Well Number: 427024023400 | Drilling Operator: EOG RESOURCES INC | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 221 |
| Public Info Code: Y 30-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 6290 / 6290 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7670 / 7620 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 9170 / 8873 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 9500 / 9141 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9650 / 9265 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 21 | Date of Summary: 20-JUL-1990 | First Sample Examined: 0 |
| Lease Number: G11241 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9250 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9248 |
| API Well Number: 427024018400 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 198 |
| Public Info Code: Y 31-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6320 / 6320 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7870 / 7869 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 22 | Date of Summary: 22-JAN-1986 | First Sample Examined: 0 |
| Lease Number: G04536 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10854 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10847 |
| API Well Number: 427024013500 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 204 |
| Public Info Code: Y 02-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3900 / 3895 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 4260 / 4255 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 6970 / 6964 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8880 / 8874 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 22 | Date of Summary: 25-APR-1997 | First Sample Examined: 0 |
| Lease Number: G04536 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9885 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9478 |
| API Well Number: 427024015200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 204 |
| Public Info Code: Y 04-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7260 / 6956 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9210 / 8822 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 26 | Date of Summary: 01-OCT-1993 | First Sample Examined: 0 |
| Lease Number: G13276 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6750 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6750 |
| API Well Number: 427024021500 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 290 |
| Public Info Code: Y 21-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4234 / 4234 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 5474 / 5474 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 6110 / 6110 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 31 | Date of Summary: 09-APR-1985 | First Sample Examined: 0 |
| Lease Number: G04537 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13856 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 12790 |
| API Well Number: 427024008300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 222 |
| Public Info Code: Y 12-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6170 / 6166 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6750 / 6724 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8550 / 8394 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 9730 / 9506 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 11460 / 11018 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 31 | Date of Summary: 11-NOV-1988 | First Sample Examined: 0 |
| Lease Number: G04537 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13444 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 12510 |
| API Well Number: 427024011200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 228 |
| Public Info Code: Y 29-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8985 / 8496 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 31 | Date of Summary: 22-JAN-1986 | First Sample Examined: 0 |
| Lease Number: G04537 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13160 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 12379 |
| API Well Number: 427024013200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 228 |
| Public Info Code: Y 23-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8752 / 8246 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 31 | Date of Summary: 22-JAN-1997 | First Sample Examined: 0 |
| Lease Number: G04537 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12939 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 12333 |
| API Well Number: 427024012400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 209 |
| Public Info Code: Y 08-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10290 / 9955 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 31 | Date of Summary: 06-MAY-1998 | First Sample Examined: 0 |
| Lease Number: G04537 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11992 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 11182 |
| API Well Number: 427024010400 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 209 |
| Public Info Code: Y 16-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 3340 / 3340 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 4020 / 4020 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 4430 / 4430 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 6990 / 6979 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 8840 / 8526 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 11210 / 10541 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 31 | Date of Summary: 06-AUG-1997 | First Sample Examined: 0 |
| Lease Number: G04537 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12952 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 12018 |
| API Well Number: 427024012600 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 209 |
| Public Info Code: Y 09-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7505 / 6970 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9350 / 8667 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 11810 / 10939 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: MU A 85 | Date of Summary: 28-MAY-1986 | First Sample Examined: 0 |
| Lease Number: G03061 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13400 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 13246 |
| API Well Number: 427124008700 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 274 |
| Public Info Code: Y 17-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8000 / 7997 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 8990 / 8983 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 85 | Date of Summary: 29-DEC-1997 | First Sample Examined: 0 |
| Lease Number: G03061 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11858 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 11706 |
| API Well Number: 427124008900 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 62 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 274 |
| Public Info Code: Y 19-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10350 / 10254 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 85 | Date of Summary: 07-APR-1987 | First Sample Examined: 0 |
| Lease Number: G03061 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16395 |
| Well Name: B003 | Paleo Done By: OPERATOR | Borehole TVD: 15500 |
| API Well Number: 427124009000 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 124 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 274 |
| Public Info Code: Y 13-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 17650 / 16838 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 85 | Date of Summary: 24-SEP-1984 | First Sample Examined: 0 |
| Lease Number: G03061 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14310 |
| Well Name: B005 | Paleo Done By: OPERATOR | Borehole TVD: 14305 |
| API Well Number: 427124007400 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 274 |
| Public Info Code: Y 01-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7010 / 7010 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |
| 7400 / 7400 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 10280 / 10279 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 14240 / 14235 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: MU A 111 | Date of Summary: 09-MAR-1984 | First Sample Examined: 4450 |
| Lease Number: G03068 | Source of Paleo: OPERATOR | Borehole MD: 13935 |
| Well Name: A011 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 12988 |
| API Well Number: 427124007000 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 4450 - 13900 | Water Depth: 302 |
| Public Info Code: Y 03-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 4450 / 4406 | DEF AT first sample examined | DEF AT 2 |
| 4750 / 4683 | DEF AT - - - - - | DEF AT 3 |
| 4780 / 4711 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 6130 / 5946 | DEF AT - - - - - | DEF IN 3 |
| 7960 / 7578 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF IN 3 |
| 8080 / 7686 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF IN 3 |
| 8320 / 7902 | DEF AT poor sample interval top | POS IN 3 |
| 10569 / 9917 | DEF AT poor sample interval bottom | DEF IN 3 |
| 10570 / 9918 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF IN 3 |
| 11500 / 10748 | DEF AT - - - - - | DEF AT 4 |
| 12370 / 11539 | DEF AT - - - - - | DEF AT 3 |
| 12520 / 11676 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 13330 / 12412 | DEF AT poor sample interval top | POS AT 3 |
| 13899 / 12953 | DEF AT poor sample interval bottom | POS AT 3 |
| 13900 / 12954 | DEF AT last sample examined | POS AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 121 | Date of Summary: 08-MAY-2000 | First Sample Examined: 0 |
| Lease Number: G06027 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12785 |
| Well Name: B003 | Paleo Done By: OPERATOR | Borehole TVD: 12387 |
| API Well Number: 427124009400 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 310 |
| Public Info Code: Y 03-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9850 / 9624 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: MU A 121 | Date of Summary: 15-JAN-1988 | First Sample Examined: 0 |
| Lease Number: G08092 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12290 |
| Well Name: B004 | Paleo Done By: OPERATOR | Borehole TVD: 11585 |
| API Well Number: 427124009500 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 310 |
| Public Info Code: Y 31-DEC-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9000 / 8463 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PE 948 | Date of Summary: 22-OCT-1985 | First Sample Examined: 0 |
| Lease Number: G06391 | Source of Paleo: OPERATOR | Borehole MD: 18958 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18952 |
| API Well Number: 608214000100 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 164 |
| Public Info Code: Y 02-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 1940 / 1940 | DEF AT Oligocene Vicksburg Group/Provincial Stage | DEF AT |
| 2090 / 2090 | DEF AT Eocene | DEF AT |
| 2180 / 2180 | DEF AT Middle Eocene Claiborne Group/Provincial Stage | DEF AT |
| 4220 / 4220 | DEF AT Paleocene Midway Group/Provincial Stage | DEF AT |
| 4610 / 4610 | DEF AT Cretaceous | DEF AT |
| 5600 / 5600 | DEF AT Upper Cretaceous Eagle Ford Group/Provincial Stage | DEF AT |
| 10270 / 10269 | DEF AT Lower Cretaceous Trinity Group/Provincial Stage | DEF AT |
| 10670 / 10669 | DEF AT Lower Cretaceous Ferry Lake Anhydrite | DEF AT |
| 11450 / 11449 | DEF AT Lower Cretaceous Pearsall Formation | DEF AT |
| 11510 / 11509 | DEF AT Lower Cretaceous Sligo (Pettet) Formation | DEF AT |
| 12440 / 12439 | DEF AT Lower Cretaceous Hosston (Travis Peak) Formation | DEF AT |
| 14690 / 14688 | DEF IN Jurassic | DEF AT |
| 15050 / 15048 | DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT |
| 16370 / 16367 | DEF AT Jurassic Haynesville Formation | DEF AT |
| 18171 / 18165 | DEF AT Jurassic Smackover Formation | DEF AT |
| 18673 / 18667 | DEF AT Jurassic Norphlet Formation | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: PE 948 | Date of Summary: 19-MAY-1992 | First Sample Examined: 1250 |
| Lease Number: G06391 | Source of Paleo: OPERATOR | Borehole MD: 18958 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18952 |
| API Well Number: 608214000100 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 75 |
| Paleo Report Num: 2 of 2 | Sample Range: 1250 - 18960 | Water Depth: 164 |
| Public Info Code: Y 02-JUL-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1250 / 1250 | DEF AT first sample examined | DEF AT 1 |
| 1251 / 1251 | POS IN Oligocene | DEF AT 1 |
| 1940 / 1940 | POS AT Oligocene Vicksburg Group/Provincial Stage | DEF AT 2 |
| 2150 / 2150 | DEF AT Upper Eocene (Priabonian) Bulimina jacksonensis | DEF AT 2 |
| 2450 / 2450 | DEF AT ----- | DEF AT 1 |
| 2780 / 2780 | DEF AT ----- | DEF AT 3 |
| 3230 / 3230 | DEF AT ----- | DEF AT 2 |
| 4070 / 4070 | DEF AT ----- | DEF AT 4 |
| 4610 / 4610 | DEF IN Upper Cretaceous (Maastrichtian) Abathomphalus mayaroensis | DEF AT 3 |
| 4670 / 4670 | DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa | DEF AT 3 |
| 5390 / 5390 | DEF AT ----- | DEF AT 2 |
| 5540 / 5540 | DEF AT ----- | DEF AT 1 |
| 5600 / 5600 | DEF AT Upper Cretaceous (Turonian) Planulina eaglefordensis | DEF AT 1 |
| 6290 / 6290 | DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica | DEF AT 1 |
| 6590 / 6590 | DEF AT non-marine sediment | DEF AT 0 |
| 6740 / 6740 | POS AT Lower (Early) Cretaceous | DEF AT 1 |
| 8780 / 8780 | DEF AT non-marine sediment | DEF AT 0 |
| 10270 / 10269 | DEF AT ----- | DEF AT 1 |
| 11600 / 11599 | DEF AT Lower Cretaceous (Albian) Orbitolina texana | DEF AT 1 |
| 12440 / 12439 | DEF AT non-marine sediment | DEF AT 0 |
| 18180 / 18174 | DEF AT ----- | DEF AT 1 |
| 18960 / | DEF AT last sample examined | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: PE 948 | Date of Summary: 19-MAY-1992 | First Sample Examined: 1062 |
| Lease Number: G06391 | Source of Paleo: OPERATOR | Borehole MD: 19300 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 19140 |
| API Well Number: 608214000200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 1062 - 19036 | Water Depth: 159 |
| Public Info Code: Y 02-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: 8650=Upper Albian ostracode Eocytheropteron tumidium

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 1062 / 1062 | DEF AT first sample examined | DEF AT |
| 4150 / 4150 | DEF AT Paleocene | DEF AT |
| 4300 / 4300 | DEF IN Paleocene Midway Group/Provincial Stage | DEF AT |
| 4600 / 4600 | DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa | DEF AT |
| 5560 / 5560 | POS IN Upper Cretaceous (Turonian) Dicarinella hagni | DEF AT |
| 6310 / 6310 | DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica | DEF AT |
| 6580 / 6580 | DEF AT Upper Cretaceous Tuscaloosa Formation (or Group) | DEF AT |
| 6700 / 6700 | POS AT Lower (Early) Cretaceous | DEF AT |
| 6729 / 6729 | DEF AT local marker ostracod (see remarks) | DEF AT |
| 6730 / 6730 | DEF AT Lower (Early) Cretaceous | DEF AT |
| 8650 / 8650 | DEF IN Lower Cretaceous Fredericksburg Group/Provincial Stage | DEF AT |
| 8740 / 8740 | DEF AT Lower Cretaceous (Albian) Eocytheropteron trinitensis (ostracod) | DEF AT |
| 10360 / 10360 | POS AT Lower Cretaceous Mooringsport Formation | DEF AT |
| 10420 / 10420 | DEF AT Lower Cretaceous Mooringsport Formation | DEF AT |
| 10990 / 10990 | DEF IN Lower Cretaceous Punta Gorda Formation | DEF AT |
| 11110 / 11110 | POS AT Lower Cretaceous Rodessa Formation | DEF AT |
| 12430 / 12430 | DEF AT Lower Cretaceous Hosston (Travis Peak) Formation | DEF AT |
| 19036 / 19031 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: PE 948 | Date of Summary: 19-MAY-1992 | First Sample Examined: 16019 |
| Lease Number: G06391 | Source of Paleo: OPERATOR | Borehole MD: 19200 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 19037 |
| API Well Number: 608214000201 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 16019 - 19200 | Water Depth: 159 |
| Public Info Code: Y 02-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: All picks are based on lithology

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 16019 / 16017 | DEF AT first sample examined | DEF AT |
| 16020 / 16018 | DEF AT Lower Cretaceous Hosston (Travis Peak) Formation | DEF AT 0 |
| 16021 / 16019 | DEF AT non-marine sediment | DEF AT 0 |
| 18040 / 17956 | DEF IN Jurassic Haynesville Formation | DEF AT 0 |
| 18100 / 18012 | POS AT Jurassic Smackover Formation | DEF AT 0 |
| 18160 / 18067 | DEF AT Jurassic Smackover Formation | DEF AT 0 |
| 18790 / 18652 | DEF AT Jurassic Norphlet Formation | DEF AT 0 |
| 19200 / 19038 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: PI 525 | Date of Summary: 03-SEP-1996 | First Sample Examined: 6500 |
| Lease Number: G08268 | Source of Paleo: OPERATOR | Borehole MD: 18000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17925 |
| API Well Number: 608024000100 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 6500 - 18000 | Water Depth: 3430 |
| Public Info Code: Y 19-NOV-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6500 / 6499 | DEF AT first sample examined | DEF AT 5 |
| 6501 / 6500 | DEF IN Upper Miocene (Tortonian) Catinaster coalitus | DEF AT 5 |
| 6502 / 6501 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 5 |
| 6679 / 6678 | DEF AT Middle Miocene (Serravallian) Discoaster kugleri | DEF AT 5 |
| 6680 / 6679 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 6770 / 6769 | DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme) | DEF AT 5 |
| 6800 / 6799 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 5 |
| 6890 / 6889 | DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis | DEF AT 5 |
| 6979 / 6978 | DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus | DEF AT 5 |
| 6980 / 6979 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 5 |
| 7010 / 7009 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT 5 |
| 7490 / 7489 | DEF IN Lower Miocene (Aquitanian) Sphenolithus dissimilis | DEF AT 5 |
| 7580 / 7579 | DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus | DEF AT 5 |
| 8270 / 8269 | DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus | DEF AT 5 |
| 8300 / 8299 | DEF AT faunal change (no faunal increase) | POS AT 5 |
| 8360 / 8359 | DEF AT Upper Oligocene (Chattian) Globigerina ciperensis ciperensis | POS AT 5 |
| 8390 / 8389 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 8660 / 8659 | DEF AT Upper Oligocene (Chattian) Globorotalia opima nana | DEF AT 5 |
| 8780 / 8779 | POS AT Upper Oligocene (Chattian) Globorotalia opima opima | DEF AT 5 |
| 8840 / 8839 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 8990 / 8989 | POS AT Upper Oligocene (Chattian) Sphenolithus distentus | DEF IN 4 |
| 9080 / 9079 | DEF AT faunal change (no faunal increase) | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: PI 525 | Date of Summary: 03-SEP-1996 | First Sample Examined: 6500 |
| Lease Number: G08268 | Source of Paleo: OPERATOR | Borehole MD: 18000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17925 |
| API Well Number: 608024000100 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 6500 - 18000 | Water Depth: 3430 |
| Public Info Code: Y 19-NOV-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9499 / 9498 | POS AT reworked material | DEF AT 5 |
| 9500 / 9499 | POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura | DEF AT 5 |
| 10190 / 10189 | DEF AT faunal change (no faunal increase) | DEF IN 4 |
| 10430 / 10429 | DEF AT faunal change (no faunal increase) | POS IN 4 |
| 11180 / 11179 | DEF AT faunal change (no faunal increase) | DEF AT 5 |
| 11300 / 11299 | DEF AT faunal change (no faunal increase) | DEF IN 5 |
| 11660 / 11658 | DEF AT Upper Oligocene (Chattian) Sphenolithus distentus | DEF IN 5 |
| 13520 / 13514 | DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus | DEF IN 5 |
| 18000 / 17925 | DEF AT last sample examined | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: PI 525 | Date of Summary: 03-SEP-1996 | First Sample Examined: 8364 |
| Lease Number: G08268 | Source of Paleo: OPERATOR | Borehole MD: 10679 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10127 |
| API Well Number: 608024000101 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 8364 - 10679 | Water Depth: 3430 |
| Public Info Code: Y 19-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Calcareous nannofossil report, 9230=Helicosphaera bramlettei

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8364 / 8363 | DEF AT first sample examined | DEF AT |
| 8365 / 8364 | DEF IN Oligocene Anahuac Formation/Provincial Stage | DEF AT |
| 9230 / 9168 | POS AT Upper Oligocene (Chattian) Dictyococcites bisectus | DEF AT |
| 10679 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: PI 525 | Date of Summary: 03-SEP-1996 | First Sample Examined: 8824 |
| Lease Number: G08268 | Source of Paleo: OPERATOR | Borehole MD: 11022 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10876 |
| API Well Number: 608024000102 | Drilling Operator: BP EXPLORATION & OIL INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 8824 - 11022 | Water Depth: 3430 |
| Public Info Code: Y 19-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Calcareous nannofossil report, 9200=Helicosphaera bramlettei

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8824 / 8812 | DEF AT first sample examined | DEF AT |
| 8825 / 8813 | DEF IN Oligocene Anahuac Formation/Provincial Stage | DEF AT |
| 9200 / 9164 | POS AT Upper Oligocene (Chattian) Dictyococcites bisectus | DEF AT |
| 11022 / 10876 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: PI 654 | Date of Summary: 10-JAN-1997 | First Sample Examined: 5057 |
| Lease Number: G13395 | Source of Paleo: OPERATOR | Borehole MD: 18612 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18460 |
| API Well Number: 608024000200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 2 | Sample Range: 5057 - 17546 | Water Depth: 2320 |
| Public Info Code: Y 30-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report for original hole, 10820=Oligocene Helicosphaera bramlettei, 17546=TD=probable mid-Frio age

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5057 / 5057 | DEF AT first sample examined | DEF AT |
| 5058 / 5058 | POS AT cement | DEF AT |
| 5059 / 5059 | POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 5360 / 5360 | POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 5 |
| 5660 / 5660 | POS IN Lower Pliocene (Zanclian) Dictyococcites antarcticus | DEF IN 5 |
| 5690 / 5690 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF IN 5 |
| 5809 / 5809 | POS AT unconformity | DEF IN 5 |
| 5810 / 5810 | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF IN 5 |
| 5840 / 5840 | POS AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF IN 5 |
| 6079 / 6079 | POS AT unconformity | DEF IN 5 |
| 6080 / 6080 | POS AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF IN 5 |
| 6230 / 6230 | POS AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF IN 5 |
| 6259 / 6259 | DEF AT unconformity | DEF IN 5 |
| 6260 / 6260 | POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF IN 5 |
| 6350 / 6350 | POS AT Upper Miocene (Tortonian) Catinaster coalitus | DEF IN 5 |
| 6440 / 6440 | POS AT Upper Miocene (Tortonian) Cibicides carstensi | DEF IN 5 |
| 6530 / 6530 | POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF IN 5 |
| 6710 / 6710 | DEF AT - - - - - | DEF AT 6 |
| 6949 / 6949 | POS AT reworked material | DEF IN 5 |
| 6950 / 6950 | POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis | DEF IN 5 |
| 7500 / 7498 | DEF AT - - - - - | DEF IN 5 |
| 7580 / 7578 | DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnus | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: PI 654 | Date of Summary: 10-JAN-1997 | First Sample Examined: 5057 |
| Lease Number: G13395 | Source of Paleo: OPERATOR | Borehole MD: 18612 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18460 |
| API Well Number: 608024000200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 2 | Sample Range: 5057 - 17546 | Water Depth: 2320 |
| Public Info Code: Y 30-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7820 / 7813 | POS IN Lower Miocene (Aquitanian) Helicosphaera recta | DEF IN 5 |
| 7821 / 7814 | POS IN Upper Oligocene (Chattian) Dictyococcites bisectus | DEF IN 5 |
| 8360 / 8335 | POS AT Upper Oligocene (Chattian) Sphenolithus delphix | DEF IN 5 |
| 8750 / 8719 | DEF AT local marker floral increase | DEF IN 5 |
| 9560 / 9524 | POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis | DEF IN 5 |
| 9950 / 9913 | POS AT reworked material | DEF IN 5 |
| 10100 / 10063 | DEF AT local marker foram increase | DEF IN 5 |
| 10820 / 10783 | POS IN Upper Oligocene (Chattian) Sphenolithus ciperoensis | DEF IN 5 |
| 11240 / 11203 | DEF AT reworked material | DEF IN 5 |
| 12320 / 12282 | DEF AT Upper Oligocene (Chattian) Sphenolithus distentus | DEF IN 5 |
| 13220 / 13180 | DEF AT reworked material | DEF IN 5 |
| 14000 / 13939 | DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus | DEF IN 5 |
| 15560 / 15443 | DEF AT reworked material | DEF IN 5 |
| 17545 / 17394 | POS IN Oligocene Frio Formation/Provincial Stage | DEF IN 5 |
| 17546 / 17395 | DEF AT last sample examined | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: PI 654 | Date of Summary: 14-JAN-1997 | First Sample Examined: 16990 |
| Lease Number: G13395 | Source of Paleo: OPERATOR | Borehole MD: 18612 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18460 |
| API Well Number: 608024000200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 74 |
| Paleo Report Num: 2 of 2 | Sample Range: 16990 - 18612 | Water Depth: 2320 |
| Public Info Code: Y 30-SEP-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report for bypass 1, no specific foram or coccolith markers indicated, at TD still above Vicksburg

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 16990 / 16840 | DEF AT first sample examined | DEF IN 5 |
| 16991 / 16841 | POS IN Oligocene Frio Formation/Provincial Stage | DEF IN 5 |
| 18612 / 18460 | DEF AT last sample examined | DEF IN 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PL 10 | Date of Summary: 18-DEC-1986 | First Sample Examined: 0 |
| Lease Number: G02925 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10147 |
| Well Name: 016 | Paleo Done By: OPERATOR | Borehole TVD: 9703 |
| API Well Number: 177134011800 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 35 |
| Public Info Code: Y 08-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5082 / 4894 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 8070 / 7723 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 9220 / 8818 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 9700 / 9277 | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PL 10 | Date of Summary: 18-JUL-1988 | First Sample Examined: 0 |
| Lease Number: G02925 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11957 |
| Well Name: 020 | Paleo Done By: OPERATOR | Borehole TVD: 11957 |
| API Well Number: 177134015800 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 30 |
| Public Info Code: Y 15-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4652 / | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 6204 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 9568 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11300 / | DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: PL 12 | Date of Summary: 08-MAY-1985 | First Sample Examined: 0 |
| Lease Number: 00072 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13100 |
| Well Name: C001 | Paleo Done By: OPERATOR | Borehole TVD: 12558 |
| API Well Number: 177134013000 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 129 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 37 |
| Public Info Code: Y 06-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10072 / 10060 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11088 / 10986 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 11522 / 11340 | DEF IN Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |
| 12082 / 11776 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PL 12 | Date of Summary: 19-NOV-1984 | First Sample Examined: 0 |
| Lease Number: 00072 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12275 |
| Well Name: F001 | Paleo Done By: OPERATOR | Borehole TVD: 12152 |
| API Well Number: 177134012400 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 133 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 37 |
| Public Info Code: Y 22-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10082 / 10074 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11528 / 11482 | DEF IN Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PL 12 | Date of Summary: 19-NOV-1987 | First Sample Examined: 0 |
| Lease Number: 00073 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11850 |
| Well Name: 043 | Paleo Done By: OPERATOR | Borehole TVD: 11524 |
| API Well Number: 177134015400 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 30 |
| Public Info Code: Y 04-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6840 / 6833 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 10120 / 9946 | DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT |
| 10760 / 10512 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PL 19 | Date of Summary: 12-OCT-1993 | First Sample Examined: 0 |
| Lease Number: G12971 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12229 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12226 |
| API Well Number: 177134018400 | Drilling Operator: MURPHY OIL USA INC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 52 |
| Public Info Code: Y 30-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8360 / 8359 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PL 20 | Date of Summary: 20-MAR-1986 | First Sample Examined: 0 |
| Lease Number: 00074 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9231 |
| Well Name: 031 | Paleo Done By: OPERATOR | Borehole TVD: 9224 |
| API Well Number: 177134014600 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 32 |
| Public Info Code: Y 09-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 6360 / | POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |
| 7640 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 8800 / | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT |
| 9370 / | POS AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 9970 / | DEF AT gouge | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PL 22 | Date of Summary: 01-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G12972 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15540 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15060 |
| API Well Number: 177134019400 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 29-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13694 / 13398 | DEF IN Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: PN 891 | Date of Summary: 05-DEC-1990 | First Sample Examined: 3530 |
| Lease Number: G11202 | Source of Paleo: OPERATOR | Borehole MD: 8070 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7374 |
| API Well Number: 427134007400 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 3530 - 8072 | Water Depth: 185 |
| Public Info Code: Y 30-NOV-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 3530 / | DEF AT first sample examined | DEF IN 2 |
| 3740 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 4010 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 4250 / | DEF AT sample gap top | POS AT 3 |
| 4999 / | DEF AT sample gap bottom | DEF AT 3 |
| 5000 / | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 5450 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 5630 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 6020 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 7990 / | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 8072 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: PN 892 | Date of Summary: 30-JUL-1990 | First Sample Examined: 5269 |
| Lease Number: G08963 | Source of Paleo: OPERATOR | Borehole MD: 13730 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10599 |
| API Well Number: 427134006600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 5269 - 13730 | Water Depth: 185 |
| Public Info Code: Y 21-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5269 / 5011 | DEF AT first sample examined | POS AT 2 |
| 6024 / 5480 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 6863 / 6014 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 9284 / 7592 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 2 |
| 9808 / 7928 | DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT 2 |
| 10907 / 8629 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT 2 |
| 13730 / 10600 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PN 932 | Date of Summary: 22-SEP-1994 | First Sample Examined: 0 |
| Lease Number: G11204 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6600 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6600 |
| API Well Number: 427134008700 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 194 |
| Public Info Code: Y 31-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3380 / 3380 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PN 956 | Date of Summary: 22-JUL-1991 | First Sample Examined: 0 |
| Lease Number: G03723 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7928 |
| Well Name: B006 | Paleo Done By: OPERATOR | Borehole TVD: 7890 |
| API Well Number: 427014004300 | Drilling Operator: CEDYCO CORPORATION | Rkb Elevation: 126 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 122 |
| Public Info Code: Y 16-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5300 / 5263 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7300 / 7263 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PN 956 | Date of Summary: 11-DEC-1995 | First Sample Examined: 0 |
| Lease Number: G03723 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7975 |
| Well Name: B007 | Paleo Done By: OPERATOR | Borehole TVD: 7899 |
| API Well Number: 427014004600 | Drilling Operator: CEDYCO CORPORATION | Rkb Elevation: 145 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 122 |
| Public Info Code: Y 16-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4950 / 4875 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 5350 / 5275 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7350 / 7274 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: PN 967 | Date of Summary: 02-JUN-1976 | First Sample Examined: 500 |
| Lease Number: G03218 | Source of Paleo: OPERATOR | Borehole MD: 11077 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9949 |
| API Well Number: 427014000200 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 500 - 11077 | Water Depth: 125 |
| Public Info Code: Y 24-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 500 / 500 | DEF AT first sample examined | DEF AT 2 |
| 501 / 501 | POS IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 1040 / 1040 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 2 |
| 1400 / 1400 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 1640 / 1640 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 1940 / 1940 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 2280 / 2280 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 2360 / 2360 | DEF AT - - - - - | DEF AT 1 |
| 2420 / 2420 | POS AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 1 |
| 3020 / 3020 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 3080 / 3080 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 2 |
| 3200 / 3200 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF IN 2 |
| 3380 / 3380 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 3 |
| 3500 / 3500 | DEF AT - - - - - | DEF AT 2 |
| 4220 / 4215 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 2 |
| 4340 / 4331 | POS AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 2 |
| 4400 / 4389 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 2 |
| 4850 / 4797 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 5240 / 5117 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 5480 / 5308 | POS AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 6680 / 6292 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 7240 / 6753 | POS AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: PN 967 | Date of Summary: 02-JUN-1976 | First Sample Examined: 500 |
| Lease Number: G03218 | Source of Paleo: OPERATOR | Borehole MD: 11077 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9949 |
| API Well Number: 427014000200 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 500 - 11077 | Water Depth: 125 |
| Public Info Code: Y 24-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7870 / 7251 | POS AT Lower Miocene (Aquitanian) Siphonina davisi | DEF AT 2 |
| 7900 / 7275 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT 2 |
| 8800 / 8017 | POS AT Upper Oligocene (Chattian) Robulus "A" | DEF AT 2 |
| 9160 / 8321 | DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius | DEF AT 2 |
| 9370 / 8494 | POS AT Upper Oligocene (Chattian) Discorbis gravelli | DEF AT 2 |
| 9670 / 8742 | DEF AT Upper Oligocene (Chattian) Discorbis gravelli | DEF AT 2 |
| 9999 / 9015 | DEF AT glauconite | DEF IN 2 |
| 10000 / 9015 | POS AT Upper Oligocene (Chattian) Bolivina perca | DEF IN 2 |
| 10810 / 9716 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 11020 / 9901 | POS AT Upper Oligocene (Chattian) Bolivina perca | DEF AT 3 |
| 11077 / 9951 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: PN 967 | Date of Summary: 03-JUN-1976 | First Sample Examined: 3600 |
| Lease Number: G03218 | Source of Paleo: OPERATOR | Borehole MD: 3959 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 3954 |
| API Well Number: 427014000201 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 3600 - 3930 | Water Depth: 125 |
| Public Info Code: Y 24-JAN-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3600 / 3600 | DEF AT first sample examined | DEF AT 2 |
| 3601 / 3601 | DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT 2 |
| 3930 / 3926 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: PN 967 | Date of Summary: 02-OCT-1981 | First Sample Examined: 360 |
| Lease Number: G03218 | Source of Paleo: OPERATOR | Borehole MD: 5963 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 5505 |
| API Well Number: 427014001400 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 360 - 6003 | Water Depth: 122 |
| Public Info Code: Y 24-JAN-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 360 / 360 | DEF AT first sample examined | DEF AT 1 |
| 540 / 540 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 1 |
| 1020 / 1020 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 1 |
| 1560 / 1558 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 2160 / 2141 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 1 |
| 3240 / 3101 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 3540 / 3358 | DEF AT sample gap top | POS AT 1 |
| 3600 / 3409 | DEF AT sample gap bottom | POS AT 1 |
| 3960 / 3716 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 1 |
| 4110 / 3843 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 4170 / 3894 | DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 2 |
| 4320 / 4019 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 4560 / 4234 | DEF AT - - - - - | DEF AT 1 |
| 4800 / 4453 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 1 |
| 5010 / 4644 | POS AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 1 |
| 5250 / 4861 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 1 |
| 5700 / 5267 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |
| 6003 / | DEF AT last sample examined | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: PN 967 | Date of Summary: 15-OCT-1981 | First Sample Examined: 420 |
| Lease Number: G14100 | Source of Paleo: OPERATOR | Borehole MD: 7036 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7036 |
| API Well Number: 427014001600 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 420 - 7030 | Water Depth: 122 |
| Public Info Code: Y 04-AUG-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 420 / 420 | DEF AT first sample examined | DEF AT 1 |
| 600 / 600 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 1 |
| 960 / 960 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 1 |
| 1440 / 1439 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 1 |
| 1680 / 1674 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 2100 / 2074 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 1 |
| 2340 / 2292 | POS AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 1 |
| 3420 / 3132 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 3720 / 3327 | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 4300 / 3706 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 1 |
| 4420 / 3785 | DEF AT - - - - - | DEF AT 2 |
| 4540 / 3866 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 2 |
| 4541 / 3866 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 4780 / 4030 | POS AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 2 |
| 5140 / 4281 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 2 |
| 5470 / 4497 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 2 |
| 5950 / 4798 | POS AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 1 |
| 6090 / 4886 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 1 |
| 6580 / 5200 | POS AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |
| 7030 / 5502 | DEF AT last sample examined | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: PN 975 | Date of Summary: 11-FEB-1987 | First Sample Examined: 5300 |
| Lease Number: G05953 | Source of Paleo: OPERATOR | Borehole MD: 12409 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10749 |
| API Well Number: 427134003400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 76 |
| Paleo Report Num: 1 of 1 | Sample Range: 5300 - 12409 | Water Depth: 156 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5300 / 4645 | DEF AT first sample examined | DEF AT 2 |
| 5510 / 4804 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 5960 / 5158 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 2 |
| 7010 / 5981 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 7310 / 6218 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 7790 / 6599 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 8930 / 7537 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 10040 / 8509 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 2 |
| 11120 / 9509 | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT 2 |
| 12409 / 10748 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: PN 975 | Date of Summary: 01-OCT-1998 | First Sample Examined: 5000 |
| Lease Number: G18861 | Source of Paleo: OPERATOR | Borehole MD: 11888 |
| Well Name: A010 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 9875 |
| API Well Number: 427134009200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 2 | Sample Range: 2300 - 11888 | Water Depth: 156 |
| Public Info Code: Y 30-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Malaysia Prospect

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 4292 | DEF AT first sample examined | DEF AT 2 |
| 5001 / 4293 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 5180 / 4432 | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 5270 / 4502 | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 2 |
| 5450 / 4641 | DEF AT - - - - - | DEF IN 1 |
| 5540 / 4710 | DEF AT - - - - - | DEF AT 2 |
| 5660 / 4803 | POS AT local marker planktic foram increase | DEF AT 2 |
| 5749 / 4873 | DEF AT local marker planktic foram increase | DEF AT 2 |
| 5750 / 4874 | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT 2 |
| 5900 / 4992 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF IN 2 |
| 5930 / 5016 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF IN 2 |
| 6020 / 5087 | DEF AT local marker planktic foram increase | DEF IN 2 |
| 6080 / 5135 | DEF AT local marker benthic foram increase | DEF IN 2 |
| 6110 / 5159 | DEF AT local marker benthic foram increase | POS AT 3 |
| 6200 / 5230 | DEF AT - - - - - | DEF IN 2 |
| 6230 / 5254 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi | DEF IN 2 |
| 6260 / 5278 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF IN 2 |
| 6440 / 5420 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF IN 2 |
| 6530 / 5492 | DEF AT local marker benthic foram increase | DEF IN 2 |
| 6620 / 5563 | DEF AT local marker planktic foram increase | DEF IN 2 |
| 6680 / 5610 | DEF AT Arenaceous fauna (local marker) | DEF IN 2 |
| 6770 / 5680 | DEF AT Arenaceous fauna (local marker) | DEF IN 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: PN 975 | Date of Summary: 01-OCT-1998 | First Sample Examined: 5000 |
| Lease Number: G18861 | Source of Paleo: OPERATOR | Borehole MD: 11888 |
| Well Name: A010 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 9875 |
| API Well Number: 427134009200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 2 | Sample Range: 2300 - 11888 | Water Depth: 156 |
| Public Info Code: Y 30-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 6860 / 5750 | DEF AT local marker planktic foram increase | DEF IN 2 |
| 6920 / 5797 | DEF AT local marker planktic foram increase | DEF IN 2 |
| 7070 / 5915 | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF IN 2 |
| 7100 / 5939 | DEF AT cement | DEF IN 2 |
| 7130 / 5963 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF IN 2 |
| 7220 / 6034 | POS AT Middle Miocene (Serravallian) Cristellaria "I" | DEF IN 2 |
| 7490 / 6245 | DEF AT - - - - - | DEF AT 2 |
| 7760 / 6453 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 2 |
| 7910 / 6569 | DEF AT - - - - - | DEF IN 2 |
| 8090 / 6709 | DEF AT local marker foram increase | DEF IN 2 |
| 8120 / 6732 | POS AT Middle Miocene (Serravallian) Cibicides opima | DEF IN 2 |
| 8180 / 6780 | DEF AT local marker foram increase | DEF IN 2 |
| 8630 / 7148 | DEF AT local marker planktic foram increase | DEF IN 2 |
| 8780 / 7273 | DEF AT - - - - - | DEF AT 2 |
| 8930 / 7400 | POS AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 2 |
| 8990 / 7451 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 2 |
| 9350 / 7756 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 9420 / 7815 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 9480 / 7866 | DEF AT local marker foram increase | DEF IN 2 |
| 9540 / 7916 | DEF AT - - - - - | DEF AT 2 |
| 9870 / 8195 | POS AT local marker foram increase | DEF AT 2 |
| 10560 / 8775 | DEF AT pyrite | DEF AT 2 |
| 10620 / 8826 | DEF AT - - - - - | POS IN 1 |
| 10740 / 8926 | DEF AT - - - - - | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: PN 975 | Date of Summary: 01-OCT-1998 | First Sample Examined: 5000 |
| Lease Number: G18861 | Source of Paleo: OPERATOR | Borehole MD: 11888 |
| Well Name: A010 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 9875 |
| API Well Number: 427134009200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 2 | Sample Range: 2300 - 11888 | Water Depth: 156 |
| Public Info Code: Y 30-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10830 / 9002 | DEF AT pyrite | DEF AT 2 |
| 11100 / 9226 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 11250 / 9350 | DEF AT drilling material | DEF AT 2 |
| 11280 / 9374 | DEF AT reworked material | DEF AT 2 |
| 11640 / 9672 | DEF AT local marker foram increase | DEF AT 2 |
| 11888 / 9878 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: PN 975 | Date of Summary: 31-DEC-1998 | First Sample Examined: 5000 |
| Lease Number: G18861 | Source of Paleo: OPERATOR | Borehole MD: 11888 |
| Well Name: A010 | Paleo Done By: OPERATOR | Borehole TVD: 9875 |
| API Well Number: 427134009200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 121 |
| Paleo Report Num: 2 of 2 | Sample Range: 2300 - 11888 | Water Depth: 156 |
| Public Info Code: Y 30-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Malaysia Prospect

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 5000 / 4292 | DEF AT first sample examined | DEF AT |
| 5180 / 4432 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 5300 / 4525 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 2 |
| 5690 / 4827 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 2 |
| 5930 / 5016 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF IN 2 |
| 6440 / 5420 | POS AT Middle Miocene (Serravallian) Bigenerina humblei | DEF IN 2 |
| 6800 / 5703 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF IN 2 |
| 7220 / 6034 | POS AT Middle Miocene (Serravallian) Cristellaria "I" | DEF IN 2 |
| 8570 / 7098 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF IN 2 |
| 8930 / 7400 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 2 |
| 9350 / 7756 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 9420 / 7815 | POS AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 11888 / 9878 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PN 987 | Date of Summary: 27-JUL-1990 | First Sample Examined: 0 |
| Lease Number: G11200 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8000 |
| API Well Number: 427014004100 | Drilling Operator: ENERGY DEVELOPMENT CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 108 |
| Public Info Code: Y 30-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 4300 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 4970 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 6070 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 6470 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 7550 / | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: PN 990 | Date of Summary: 25-JUL-1994 | First Sample Examined: 4000 |
| Lease Number: G12389 | Source of Paleo: OPERATOR | Borehole MD: 7926 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7009 |
| API Well Number: 427134008500 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 7930 | Water Depth: 150 |
| Public Info Code: Y 30-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 4000 / 3340 | DEF AT first sample examined | DEF AT 3 |
| 4001 / 3341 | DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 3 |
| 4960 / 4159 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 5620 / 4782 | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT 3 |
| 5740 / 4897 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 3 |
| 5830 / 4984 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 5890 / 5042 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 3 |
| 6280 / 5419 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 3 |
| 6580 / 5707 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 3 |
| 6760 / 5879 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 6820 / 5936 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 3 |
| 7240 / 6341 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 7810 / 6897 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 7930 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PN 1018 | Date of Summary: 07-JUN-1994 | First Sample Examined: 0 |
| Lease Number: G12400 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10652 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10648 |
| API Well Number: 427134008300 | Drilling Operator: ENRON CORP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 134 |
| Public Info Code: Y 31-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6970 / 6967 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8140 / 8137 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 9120 / 9117 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10020 / 10016 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PN A 9 | Date of Summary: 10-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G11207 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10633 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9661 |
| API Well Number: 427134008800 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 210 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6320 / 6312 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 7025 / 6958 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 8935 / 8402 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: PN A 11 | Date of Summary: 06-FEB-1991 | First Sample Examined: 4030 |
| Lease Number: G11208 | Source of Paleo: OPERATOR | Borehole MD: 12200 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12199 |
| API Well Number: 427134007500 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 4030 - 12180 | Water Depth: 225 |
| Public Info Code: Y 27-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4030 / 4030 | DEF AT first sample examined | DEF AT 3 |
| 4031 / 4031 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 4210 / 4210 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 4450 / 4450 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 4930 / 4930 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 6360 / 6360 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 3 |
| 8040 / 8040 | DEF AT sample gap top | POS AT 3 |
| 8849 / 8849 | DEF AT sample gap bottom | DEF AT 3 |
| 8850 / 8850 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 12180 / 12163 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PN A 43 | Date of Summary: 16-FEB-1986 | First Sample Examined: 0 |
| Lease Number: G08076 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7527 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 6429 |
| API Well Number: 427134004900 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 213 |
| Public Info Code: Y 21-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6583 / 5688 | DEF IN Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT |
| 7200 / 6186 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: PN A 59 | Date of Summary: 25-JUL-1989 | First Sample Examined: 0 |
| Lease Number: G07155 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8769 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7121 |
| API Well Number: 427134006500 | Drilling Operator: TAYLOR ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 219 |
| Public Info Code: Y 16-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3454 / 3454 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 6 | Date of Summary: 29-OCT-1993 | First Sample Examined: 0 |
| Lease Number: G13616 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12437 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11423 |
| API Well Number: 177074064201 | Drilling Operator: W & T OFFSHORE INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 60 |
| Public Info Code: Y 15-JAN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6540 / 6536 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 8730 / 8393 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 11990 / 11051 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: SM 18 | Date of Summary: 01-OCT-1989 | First Sample Examined: 7000 |
| Lease Number: G08680 | Source of Paleo: OPERATOR | Borehole MD: 16784 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 14880 |
| API Well Number: 177074057700 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 660 - 14984 | Water Depth: 75 |
| Public Info Code: Y 12-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7000 / 6999 | DEF AT first sample examined | DEF AT 1 |
| 8000 / 7999 | DEF AT ----- | DEF AT 2 |
| 8300 / 8299 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 10300 / 10249 | DEF AT ----- | DEF AT 3 |
| 11300 / 11070 | DEF AT ----- | DEF AT 2 |
| 12000 / 11588 | DEF AT ----- | DEF AT 3 |
| 14300 / 13180 | DEF AT ----- | DEF AT 2 |
| 15270 / 13870 | DEF AT ----- | DEF AT 4 |
| 15300 / 13892 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 16784 / 14893 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 22 | Date of Summary: 24-AUG-1995 | First Sample Examined: 0 |
| Lease Number: G12888 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16396 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14905 |
| API Well Number: 177074069400 | Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 85 |
| Public Info Code: Y 26-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11120 / 11078 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT |
| 13220 / 12580 | POS AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 14810 / 13702 | POS AT Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT |
| 15890 / 14513 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 24 | Date of Summary: 24-DEC-1998 | First Sample Examined: 0 |
| Lease Number: G14437 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15488 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15486 |
| API Well Number: 177074071700 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 85 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11930 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 13060 / | DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT |
| 13440 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 14980 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 28 | Date of Summary: 03-AUG-1992 | First Sample Examined: 0 |
| Lease Number: G09536 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14628 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 12211 |
| API Well Number: 177074056200 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 83 |
| Public Info Code: Y 10-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4490 / 4490 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7970 / 7835 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 11370 / 9849 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 12980 / 10871 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 30 | Date of Summary: 26-JUN-1990 | First Sample Examined: 0 |
| Lease Number: G10695 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9875 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8504 |
| API Well Number: 177074059200 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 93 |
| Public Info Code: Y 26-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8735 / 7555 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|------------------------------------|
| Area Block: SM 30 | Date of Summary: 12-APR-1990 | First Sample Examined: 6860 |
| Lease Number: G10695 | Source of Paleo: OPERATOR | Borehole MD: 9000 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8999 |
| API Well Number: 177074059400 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 2 | Sample Range: 6860 - 9876 | Water Depth: 93 |
| Public Info Code: Y 26-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 6860 / 6860 | DEF AT first sample examined | DEF AT 1 |
| 7040 / 7040 | DEF AT - - - - - | DEF AT 2 |
| 9876 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SM 30 | Date of Summary: 12-APR-1990 | First Sample Examined: 4000 |
| Lease Number: G10695 | Source of Paleo: OPERATOR | Borehole MD: 9000 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8999 |
| API Well Number: 177074059400 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 81 |
| Paleo Report Num: 2 of 2 | Sample Range: 4000 - 9610 | Water Depth: 93 |
| Public Info Code: Y 26-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 4000 / 4000 | DEF AT first sample examined | DEF IN 1 |
| 4450 / 4450 | DEF AT - - - - - | DEF AT 2 |
| 5200 / 5200 | DEF AT sample gap top | POS AT 2 |
| 6030 / 6030 | DEF AT sample gap bottom | DEF AT 2 |
| 6060 / 6060 | DEF AT sample gap top | POS AT 2 |
| 6150 / 6150 | DEF AT sample gap bottom | DEF AT 2 |
| 6210 / 6210 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 9610 / | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SM 39 | Date of Summary: 05-AUG-1991 | First Sample Examined: 5265 |
| Lease Number: G11908 | Source of Paleo: OPERATOR | Borehole MD: 16113 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15295 |
| API Well Number: 177074062000 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 5265 - 16113 | Water Depth: 100 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5265 / 5265 | DEF AT first sample examined | DEF AT 1 |
| 8370 / 8369 | DEF AT - - - - - | DEF AT 2 |
| 8925 / 8923 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 2 |
| 9450 / 9448 | DEF AT - - - - - | DEF AT 3 |
| 9810 / 9808 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 10830 / 10828 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 3 |
| 12030 / 12025 | DEF AT - - - - - | DEF AT 4 |
| 12060 / 12055 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 12840 / 12796 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 4 |
| 13170 / 13085 | DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme) | DEF AT 4 |
| 13740 / 13529 | DEF AT - - - - - | DEF AT 2 |
| 14070 / 13785 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 14760 / 14310 | DEF AT - - - - - | DEF AT 4 |
| 15510 / 14863 | DEF AT - - - - - | DEF AT 5 |
| 15540 / 14884 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT 5 |
| 16113 / 15295 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: SM 49 | Date of Summary: 01-AUG-1990 | First Sample Examined: 10000 |
| Lease Number: 00787 | Source of Paleo: OPERATOR | Borehole MD: 13497 |
| Well Name: B005 | Paleo Done By: OPERATOR | Borehole TVD: 13395 |
| API Well Number: 177074053700 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 10000 - 13320 | Water Depth: 103 |
| Public Info Code: Y 17-SEP-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10000 / 9926 | DEF AT first sample examined | DEF AT 2 |
| 10001 / 9927 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 10720 / 10625 | DEF AT - - - - - | DEF IN 2 |
| 11350 / 11250 | DEF AT - - - - - | DEF AT 2 |
| 12580 / 12479 | DEF AT - - - - - | DEF AT 4 |
| 13319 / 13217 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 13320 / 13218 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 50 | Date of Summary: 09-AUG-1995 | First Sample Examined: 0 |
| Lease Number: G13608 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16270 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 16191 |
| API Well Number: 177074068800 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 102 |
| Public Info Code: Y 31-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13120 / 13103 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 14190 / 14147 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 15648 / 15578 | DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SM 51 | Date of Summary: 04-FEB-1993 | First Sample Examined: 8000 |
| Lease Number: 00789 | Source of Paleo: OPERATOR | Borehole MD: 15461 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15426 |
| API Well Number: 177074064400 | Drilling Operator: CENTURY OFFSHORE MANAGEMENT | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 1 | Sample Range: 8000 - 15461 | Water Depth: 105 |
| Public Info Code: Y 06-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 8000 / 8000 | DEF AT first sample examined | DEF AT 3 |
| 8750 / 8749 | POS AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i> | DEF AT 3 |
| 9140 / 9139 | DEF AT Turtle Grass fauna = <i>Amphistegina Mound</i> | DEF AT 3 |
| 9450 / 9449 | DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i> | DEF AT 3 |
| 9960 / 9959 | DEF AT - - - - - | DEF AT 4 |
| 10290 / 10289 | DEF AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i> | DEF AT 4 |
| 10800 / 10799 | DEF AT - - - - - | DEF AT 3 |
| 11640 / 11639 | DEF AT - - - - - | DEF AT 4 |
| 11910 / 11908 | DEF AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left) | DEF AT 4 |
| 12809 / 12805 | DEF AT <i>Cyclammina</i> sp. (local marker) | DEF AT 4 |
| 12810 / 12806 | DEF AT <i>Eggerella</i> sp. (local marker) | DEF AT 4 |
| 14275 / 14264 | DEF AT Upper Miocene (Messinian) <i>Textularia "X"</i> | DEF AT 5 |
| 14615 / 14601 | POS AT Upper Miocene (Tortonian) <i>Sphaeroidinellopsis disjuncta</i> | DEF AT 5 |
| 15005 / 14985 | DEF AT - - - - - | DEF AT 4 |
| 15461 / 15426 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 58 | Date of Summary: 24-JUL-1984 | First Sample Examined: 9000 |
| Lease Number: G01194 | Source of Paleo: OPERATOR | Borehole MD: 13460 |
| Well Name: JA004 | Paleo Done By: OPERATOR | Borehole TVD: 11572 |
| API Well Number: 177074046200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 123 |
| Paleo Report Num: 1 of 1 | Sample Range: 9000 - 13460 | Water Depth: 127 |
| Public Info Code: Y 08-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9000 / 7756 | DEF AT first sample examined | DEF AT |
| 12670 / 10890 | POS IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 13460 / 11551 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: SM 58 | Date of Summary: 06-JUN-1984 | First Sample Examined: 10210 |
| Lease Number: G01194 | Source of Paleo: OPERATOR | Borehole MD: 12363 |
| Well Name: JA006 | Paleo Done By: OPERATOR | Borehole TVD: 11607 |
| API Well Number: 177074045800 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 123 |
| Paleo Report Num: 1 of 1 | Sample Range: 10210 - 12363 | Water Depth: 127 |
| Public Info Code: Y 05-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10210 / 9538 | DEF AT first sample examined | DEF AT |
| 11320 / 10596 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12363 / 11607 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 58 | Date of Summary: 12-APR-1984 | First Sample Examined: 7033 |
| Lease Number: G01194 | Source of Paleo: OPERATOR | Borehole MD: 8588 |
| Well Name: JA007 | Paleo Done By: OPERATOR | Borehole TVD: 7673 |
| API Well Number: 177074045200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 7033 - 8590 | Water Depth: 127 |
| Public Info Code: Y 13-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7033 / 6247 | DEF AT first sample examined | DEF AT |
| 7870 / 7017 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 8590 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 61 | Date of Summary: 11-FEB-1985 | First Sample Examined: 0 |
| Lease Number: G01196 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15901 |
| Well Name: F001 | Paleo Done By: OPERATOR | Borehole TVD: 13834 |
| API Well Number: 177074045900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 125 |
| Public Info Code: Y 04-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6900 / 6659 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8300 / 7808 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 11200 / 10102 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12400 / 11009 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 14200 / 12456 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 70 | Date of Summary: 20-SEP-1995 | First Sample Examined: 0 |
| Lease Number: G12893 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10355 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10120 |
| API Well Number: 177074069201 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 135 |
| Public Info Code: Y 15-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7290 / 7286 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 8490 / 8441 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT |
| 9992 / 9766 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 70 | Date of Summary: 09-MAY-1996 | First Sample Examined: 0 |
| Lease Number: G12893 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10825 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10000 |
| API Well Number: 177074071800 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 135 |
| Public Info Code: Y 15-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5490 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 8730 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 9390 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 77 | Date of Summary: 31-MAY-1988 | First Sample Examined: 0 |
| Lease Number: G07703 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14250 |
| Well Name: C001 | Paleo Done By: OPERATOR | Borehole TVD: 14242 |
| API Well Number: 177084068700 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 140 |
| Public Info Code: Y 09-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4290 / 4289 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5960 / 5959 | POS AT Upper Pliocene | DEF AT |
| 7370 / 7369 | DEF AT local marker foram increase | DEF AT |
| 9410 / 9409 | DEF AT local marker foram increase | DEF AT |
| 11840 / 11838 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 13670 / 13668 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: SM 77 | Date of Summary: 14-FEB-1990 | First Sample Examined: 9010 |
| Lease Number: G07703 | Source of Paleo: OPERATOR | Borehole MD: 13597 |
| Well Name: C004 | Paleo Done By: OPERATOR | Borehole TVD: 13284 |
| API Well Number: 177084071600 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 5200 - 13597 | Water Depth: 140 |
| Public Info Code: Y 21-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9010 / 8739 | DEF AT first sample examined | DEF AT 3 |
| 10700 / 10388 | DEF AT - - - - - | DEF AT 4 |
| 11020 / 10707 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 11500 / 11186 | DEF AT - - - - - | DEF AT 2 |
| 12150 / 11835 | DEF AT - - - - - | DEF AT 3 |
| 13597 / 13282 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 78 | Date of Summary: 13-JUN-1995 | First Sample Examined: 0 |
| Lease Number: G01210 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15509 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 15488 |
| API Well Number: 177084069600 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 142 |
| Public Info Code: Y 30-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5200 / 5200 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6390 / 6390 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7440 / 7439 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 10050 / 10049 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12480 / 12478 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 78 | Date of Summary: 27-AUG-1996 | First Sample Examined: 0 |
| Lease Number: G01210 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15456 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 15451 |
| API Well Number: 177084065900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 139 |
| Public Info Code: Y 09-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5250 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6360 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7470 / | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 9900 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12210 / | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 14520 / | DEF IN Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 78 | Date of Summary: 03-AUG-1988 | First Sample Examined: 0 |
| Lease Number: G01210 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14865 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 14336 |
| API Well Number: 177084069100 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 139 |
| Public Info Code: Y 29-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 3800 / 3799 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5100 / 5099 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6100 / 6099 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7400 / 7399 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 10000 / 9899 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 13500 / 13090 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 14400 / 13915 | DEF AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: SM 78 | Date of Summary: 10-SEP-1992 | First Sample Examined: 8020 |
| Lease Number: G01210 | Source of Paleo: OPERATOR | Borehole MD: 16800 |
| Well Name: B005 | Paleo Done By: OPERATOR | Borehole TVD: 16329 |
| API Well Number: 177084070500 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 8020 - 11980 | Water Depth: 139 |
| Public Info Code: Y 15-FEB-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8020 / 7849 | DEF AT first sample examined | DEF AT 1 |
| 8021 / 7850 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 1 |
| 9490 / 9241 | DEF AT - - - - - | DEF AT 2 |
| 11050 / 10725 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 2 |
| 11290 / 10958 | DEF AT - - - - - | DEF AT 3 |
| 11980 / 11628 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 79 | Date of Summary: 18-AUG-1986 | First Sample Examined: 1145 |
| Lease Number: G07704 | Source of Paleo: OPERATOR | Borehole MD: 11825 |
| Well Name: B001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11819 |
| API Well Number: 177084067200 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 1145 - 11820 | Water Depth: 152 |
| Public Info Code: Y 29-MAR-1996 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1145 / 1145 | DEF AT first sample examined | DEF IN 2 |
| 4305 / 4305 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 2 |
| 5519 / 5519 | DEF AT glauconite | DEF AT 2 |
| 5520 / 5520 | DEF AT local marker foram increase | DEF AT 2 |
| 5580 / 5580 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 6270 / 6270 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 7530 / 7529 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 3 |
| 9540 / 9537 | DEF AT Eggerella 3 (local marker) | DEF AT 3 |
| 9630 / 9627 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 9690 / 9687 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 10530 / 10527 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 11820 / 11814 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 79 | Date of Summary: 21-MAR-1989 | First Sample Examined: 0 |
| Lease Number: G07709 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13380 |
| Well Name: B004 | Paleo Done By: OPERATOR | Borehole TVD: 11866 |
| API Well Number: 177084070600 | Drilling Operator: CLIFFS DRILLING COMPANY | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 152 |
| Public Info Code: Y 24-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13248 / 11748 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: SM 81 | Date of Summary: 16-SEP-1987 | First Sample Examined: 0 |
| Lease Number: G06692 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12050 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12045 |
| API Well Number: 177084068000 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 149 |
| Public Info Code: Y 12-APR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5500 / 5499 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6540 / 6539 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8280 / 8279 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10740 / 10737 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: SM 81 | Date of Summary: 22-JAN-1988 | First Sample Examined: 0 |
| Lease Number: G06692 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11379 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 11376 |
| API Well Number: 177084068300 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 147 |
| Public Info Code: Y 12-APR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8150 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10570 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: SM 81 | Date of Summary: 30-OCT-1989 | First Sample Examined: 0 |
| Lease Number: G06692 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11801 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 11797 |
| API Well Number: 177084067900 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 124 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 149 |
| Public Info Code: Y 12-APR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5430 / 5428 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7200 / 7198 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8250 / 8248 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10680 / 10677 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: SM 82 | Date of Summary: 19-JAN-1995 | First Sample Examined: 7220 |
| Lease Number: G11912 | Source of Paleo: OPERATOR | Borehole MD: 18000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17991 |
| API Well Number: 177084079600 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 7220 - 18000 | Water Depth: 150 |
| Public Info Code: Y 31-MAY-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7220 / 7220 | DEF AT first sample examined | DEF AT 1 |
| 7250 / 7250 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 1 |
| 7490 / 7490 | DEF AT ----- | DEF AT 3 |
| 7580 / 7580 | DEF AT ----- | DEF AT 1 |
| 7640 / 7640 | DEF AT ----- | DEF AT 2 |
| 7700 / 7700 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 2 |
| 8000 / 7999 | DEF AT ----- | DEF AT 1 |
| 8330 / 8329 | DEF AT ----- | DEF AT 3 |
| 8510 / 8509 | DEF AT ----- | DEF AT 1 |
| 9050 / 9049 | DEF AT ----- | DEF AT 3 |
| 9140 / 9139 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 3 |
| 9890 / 9889 | DEF AT ----- | DEF AT 1 |
| 10250 / 10249 | DEF AT ----- | DEF AT 3 |
| 10700 / 10699 | DEF AT ----- | DEF AT 2 |
| 11630 / 11629 | DEF AT ----- | DEF AT 3 |
| 12200 / 12199 | DEF AT ----- | DEF AT 2 |
| 12650 / 12649 | DEF AT ----- | DEF AT 3 |
| 13040 / 13039 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 3 |
| 13490 / 13489 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 3 |
| 13610 / 13608 | DEF AT ----- | DEF AT 4 |
| 14480 / 14478 | DEF AT ----- | DEF AT 3 |
| 17360 / 17352 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: SM 82 | Date of Summary: 19-JAN-1995 | First Sample Examined: 7220 |
| Lease Number: G11912 | Source of Paleo: OPERATOR | Borehole MD: 18000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17991 |
| API Well Number: 177084079600 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 7220 - 18000 | Water Depth: 150 |
| Public Info Code: Y 31-MAY-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 18000 / 17991 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: SM 87 | Date of Summary: 22-JUN-1994 | First Sample Examined: 5710 |
| Lease Number: G10700 | Source of Paleo: OPERATOR | Borehole MD: 16937 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16500 |
| API Well Number: 177084079300 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 2 | Sample Range: 5710 - 16937 | Water Depth: 169 |
| Public Info Code: Y 14-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 5710 / 5710 | DEF AT first sample examined | DEF AT 2 |
| 5770 / 5770 | POS IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 6490 / 6490 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 6640 / 6640 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6700 / 6700 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 7090 / 7090 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 3 |
| 7120 / 7120 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 8320 / 8317 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 3 |
| 8410 / 8406 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 3 |
| 9070 / 9048 | DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus | DEF AT 3 |
| 9820 / 9740 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 4 |
| 10630 / 10481 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 10720 / 10564 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 4 |
| 11260 / 11062 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 4 |
| 11350 / 11145 | DEF AT - - - - - | DEF AT 5 |
| 11600 / 11376 | DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme) | DEF AT 5 |
| 13330 / 13000 | DEF AT - - - - - | DEF AT 6 |
| 16570 / 16146 | POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 6 |
| 16937 / 16501 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: SM 87 | Date of Summary: 22-JUN-1994 | First Sample Examined: 5710 |
| Lease Number: G10700 | Source of Paleo: OPERATOR | Borehole MD: 16937 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16500 |
| API Well Number: 177084079300 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 112 |
| Paleo Report Num: 2 of 2 | Sample Range: 5710 - 16930 | Water Depth: 169 |
| Public Info Code: Y 14-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5710 / 5710 | DEF AT first sample examined | DEF AT |
| 5890 / 5890 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 6550 / 6550 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 6580 / 6580 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 8200 / 8197 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 8920 / 8905 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 10000 / 9904 | DEF AT sample gap top | DEF AT |
| 10120 / 10013 | DEF AT sample gap bottom | DEF AT |
| 10600 / 10453 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 11860 / 11616 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 12550 / 12259 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 14200 / 13843 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 16420 / 16001 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 16930 / 16494 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SM 90 | Date of Summary: 01-JAN-1989 | First Sample Examined: 1500 |
| Lease Number: G08684 | Source of Paleo: OPERATOR | Borehole MD: 16300 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 16297 |
| API Well Number: 177084069700 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 1500 - 16290 | Water Depth: 165 |
| Public Info Code: Y 08-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 1500 / 1500 | DEF AT first sample examined | DEF AT 1 |
| 5780 / 5780 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 1 |
| 5960 / 5960 | DEF AT - - - - - | DEF AT 2 |
| 6200 / 6200 | DEF AT - - - - - | DEF AT 1 |
| 7000 / 7000 | DEF AT - - - - - | DEF AT 2 |
| 7010 / 7010 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 9000 / 9000 | DEF AT - - - - - | DEF AT 3 |
| 12620 / 12619 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 13500 / 13499 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 4 |
| 16290 / 16284 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SM 98 | Date of Summary: 26-OCT-1989 | First Sample Examined: 3550 |
| Lease Number: G10701 | Source of Paleo: OPERATOR | Borehole MD: 9054 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8211 |
| API Well Number: 177084072100 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 3550 - 9000 | Water Depth: 178 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3550 / 3550 | DEF AT first sample examined | DEF AT 2 |
| 3551 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 4700 / | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 5600 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5800 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6299 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6300 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 7600 / | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT 3 |
| 7700 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 8500 / | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 3 |
| 9000 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 113 | Date of Summary: 04-AUG-1994 | First Sample Examined: 0 |
| Lease Number: G10703 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8764 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8764 |
| API Well Number: 177084079500 | Drilling Operator: BRITISH-BORNEO USA INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 194 |
| Public Info Code: Y 09-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4940 / 4940 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6670 / 6670 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: SM 117 | Date of Summary: 06-DEC-1985 | First Sample Examined: 3300 |
| Lease Number: G05465 | Source of Paleo: OPERATOR | Borehole MD: 10500 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10499 |
| API Well Number: 177084063500 | Drilling Operator: TEXACO INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 3300 - 10500 | Water Depth: 190 |
| Public Info Code: Y 28-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 3300 / 3300 | DEF AT first sample examined | DEF AT 1 |
| 3630 / 3630 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 2 |
| 4500 / 4500 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 2 |
| 4890 / 4890 | DEF AT local marker planktic foram increase | DEF AT 3 |
| 6180 / 6180 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 2 |
| 6990 / 6990 | DEF AT faunal change (no faunal increase) | DEF IN 2 |
| 8099 / 8099 | DEF AT Eggerella 3 (local marker) | DEF AT 4 |
| 8100 / 8100 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 4 |
| 8160 / 8160 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 4 |
| 8430 / 8430 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9210 / 9210 | DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L" | DEF AT 3 |
| 9300 / 9299 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 10049 / 10048 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 4 |
| 10050 / 10049 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 10080 / 10079 | POS AT caprock | DEF AT |
| 10350 / 10349 | DEF AT caprock | DEF AT |
| 10500 / 10499 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 117 | Date of Summary: 12-SEP-1988 | First Sample Examined: 0 |
| Lease Number: G05465 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10780 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 10062 |
| API Well Number: 177084068800 | Drilling Operator: TEXACO INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 190 |
| Public Info Code: Y 02-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8750 / 8219 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 9380 / 8798 | DEF AT local marker benthic foram increase | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 118 | Date of Summary: 22-AUG-1986 | First Sample Examined: 0 |
| Lease Number: G05465 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13101 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11381 |
| API Well Number: 177084066500 | Drilling Operator: TEXACO INC | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 194 |
| Public Info Code: Y 13-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6520 / 6504 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8200 / 7864 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 9730 / 9000 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 118 | Date of Summary: 07-JAN-1992 | First Sample Examined: 0 |
| Lease Number: G12894 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9336 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9189 |
| API Well Number: 177084076001 | Drilling Operator: SANDEFER OFFSHORE PRODUCTION | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 192 |
| Public Info Code: Y 31-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8940 / 8821 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 123 | Date of Summary: 19-NOV-1990 | First Sample Examined: 0 |
| Lease Number: G09543 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6900 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 6900 |
| API Well Number: 177084073600 | Drilling Operator: WALTER OIL & GAS CORPORATION | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 205 |
| Public Info Code: Y 22-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6145 / 6145 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 124 | Date of Summary: 20-DEC-1994 | First Sample Examined: 0 |
| Lease Number: G14443 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7999 |
| API Well Number: 177084080000 | Drilling Operator: CHIEFTAIN INTERNATIONAL US INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 200 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6560 / 6559 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 125 | Date of Summary: 17-APR-1991 | First Sample Examined: 0 |
| Lease Number: G02882 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14260 |
| Well Name: D002 | Paleo Done By: OPERATOR | Borehole TVD: 12708 |
| API Well Number: 177084064800 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 207 |
| Public Info Code: Y 23-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6510 / 6506 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9450 / 9047 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9510 / 9097 | DEF AT - - - - - | DEF AT 4 |
| 13680 / 12373 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 14070 / 12594 | DEF AT - - - - - | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SM 137 | Date of Summary: 21-SEP-1989 | First Sample Examined: 9310 |
| Lease Number: G02588 | Source of Paleo: OPERATOR | Borehole MD: 9801 |
| Well Name: A006 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8445 |
| API Well Number: 177084027601 | Drilling Operator: CONOCO INC | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 2 | Sample Range: 9310 - 9801 | Water Depth: 217 |
| Public Info Code: Y 11-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9310 / 8123 | DEF AT first sample examined | POS AT 2 |
| 9640 / 8342 | DEF AT - - - - | DEF AT 3 |
| 9729 / 8402 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 9730 / 8403 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 9801 / 8450 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SM 137 | Date of Summary: 21-SEP-1989 | First Sample Examined: 9310 |
| Lease Number: G02588 | Source of Paleo: OPERATOR | Borehole MD: 9801 |
| Well Name: A006 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8445 |
| API Well Number: 177084027601 | Drilling Operator: CONOCO INC | Rkb Elevation: 99 |
| Paleo Report Num: 2 of 2 | Sample Range: 9310 - 9801 | Water Depth: 217 |
| Public Info Code: Y 11-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9310 / 8123 | DEF AT first sample examined | DEF AT |
| 9730 / 8403 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 9790 / 8443 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri (increase) | DEF AT |
| 9801 / 8450 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SM 139 | Date of Summary: 20-JAN-1998 | First Sample Examined: 9690 |
| Lease Number: G14445 | Source of Paleo: OPERATOR | Borehole MD: 13509 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13500 |
| API Well Number: 177084081800 | Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 2 | Sample Range: 9690 - 13500 | Water Depth: 221 |
| Public Info Code: Y 17-APR-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9690 / 9688 | DEF AT first sample examined | DEF AT |
| 11250 / 11242 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 13500 / 13491 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SM 139 | Date of Summary: 21-JAN-1998 | First Sample Examined: 6000 |
| Lease Number: G14445 | Source of Paleo: OPERATOR | Borehole MD: 13509 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13500 |
| API Well Number: 177084081800 | Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION | Rkb Elevation: 101 |
| Paleo Report Num: 2 of 2 | Sample Range: 6000 - 13500 | Water Depth: 221 |
| Public Info Code: Y 17-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 6000 / 5999 | DEF AT first sample examined | DEF AT 3 |
| 6001 / 6000 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6210 / 6209 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 3 |
| 6930 / 6929 | DEF AT local marker foram increase | DEF AT 3 |
| 7380 / 7379 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8280 / 8278 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 3 |
| 9059 / 9057 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 3 |
| 9060 / 9058 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 9090 / 9088 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9150 / 9148 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 4 |
| 9420 / 9418 | DEF AT - - - - - | DEF AT 3 |
| 11160 / 11152 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 11430 / 11421 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 11730 / 11721 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 12090 / 12081 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 12570 / 12561 | DEF AT Eggerella 3 (local marker) | DEF AT 4 |
| 12990 / 12981 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 13320 / 13311 | DEF AT Cyclammina sp. (local marker) | DEF AT 4 |
| 13500 / 13491 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SM 146 | Date of Summary: 21-MAR-1989 | First Sample Examined: 1000 |
| Lease Number: G09546 | Source of Paleo: OPERATOR | Borehole MD: 9677 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9067 |
| API Well Number: 177084070700 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 9670 | Water Depth: 240 |
| Public Info Code: Y 06-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 1000 / 1000 | DEF AT first sample examined | DEF IN 2 |
| 1870 / 1870 | DEF AT - - - - | POS AT 3 |
| 3340 / 3340 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | POS AT 3 |
| 7240 / 6931 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 8140 / 7680 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 8200 / 7729 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | POS AT 3 |
| 8319 / 7830 | DEF AT local marker foram decrease | DEF AT 3 |
| 8320 / 7831 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 3 |
| 8440 / 7934 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | POS AT 3 |
| 8500 / 7987 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 3 |
| 8619 / 8092 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 8620 / 8093 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 4 |
| 8829 / 8281 | DEF AT pyrite | DEF AT 4 |
| 8830 / 8282 | DEF AT local marker benthic foram increase | DEF AT 4 |
| 9578 / 8977 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 4 |
| 9579 / 8978 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT 4 |
| 9580 / 8978 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 9670 / 9063 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SM 147 | Date of Summary: 25-JAN-1989 | First Sample Examined: 1000 |
| Lease Number: G06693 | Source of Paleo: OPERATOR | Borehole MD: 10651 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10580 |
| API Well Number: 177084070400 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 10660 | Water Depth: 235 |
| Public Info Code: Y 07-FEB-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1000 / 1000 | DEF AT first sample examined | DEF AT 2 |
| 1330 / 1330 | DEF AT - - - - | DEF AT 3 |
| 3130 / 3130 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4840 / 4840 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 3 |
| 6009 / 5995 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 3 |
| 6100 / 6084 | POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 7990 / 7940 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 8080 / 8029 | DEF AT local marker deep water fauna | DEF AT 4 |
| 8140 / 8088 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 10448 / 10379 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 4 |
| 10449 / 10380 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 10450 / 10381 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 4 |
| 10660 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SM 147 | Date of Summary: 30-MAY-1989 | First Sample Examined: 1000 |
| Lease Number: G06693 | Source of Paleo: OPERATOR | Borehole MD: 10740 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10253 |
| API Well Number: 177084070900 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 10720 | Water Depth: 235 |
| Public Info Code: Y 30-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1000 / 1000 | DEF AT first sample examined | DEF IN 2 |
| 1420 / 1420 | POS AT - - - - - | POS AT 3 |
| 3100 / 3100 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | POS AT 3 |
| 5500 / 5496 | DEF AT local marker foram increase | POS AT 3 |
| 8199 / 7940 | DEF AT pyrite | DEF AT 3 |
| 8200 / 7941 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | POS AT 3 |
| 8350 / 8081 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 8980 / 8668 | DEF AT local marker foram decrease | DEF AT 3 |
| 10720 / 10233 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 151 | Date of Summary: 09-OCT-1990 | First Sample Examined: 0 |
| Lease Number: G10705 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4400 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 4400 |
| API Well Number: 177084073800 | Drilling Operator: WAYMAN W BUCHANAN INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 251 |
| Public Info Code: Y 31-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3244 / 3244 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: SM 154 | Date of Summary: 14-JAN-1994 | First Sample Examined: 0 |
| Lease Number: G09548 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14829 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 14822 |
| API Well Number: 177084077500 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 246 |
| Public Info Code: Y 19-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5370 / 5370 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 12900 / 12895 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 14790 / 14784 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--------------------------------------|-----------------------------|
| Area Block: SM 155 | Date of Summary: 24-OCT-1984 | First Sample Examined: 7000 |
| Lease Number: G04110 | Source of Paleo: OPERATOR | Borehole MD: 7855 |
| Well Name: A018 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7748 |
| API Well Number: 177084061800 | Drilling Operator: MESA PETROLEUM CO | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 7870 | Water Depth: 250 |
| Public Info Code: Y 27-OCT-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7000 / 6905 | DEF AT first sample examined | DEF AT 3 |
| 7450 / 7348 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7630 / 7525 | DEF AT - - - - - | DEF AT 2 |
| 7870 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: SM 160 | Date of Summary: 17-FEB-1989 | First Sample Examined: 10300 |
| Lease Number: G04433 | Source of Paleo: OPERATOR | Borehole MD: 12500 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 12500 |
| API Well Number: 177084049000 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 10300 - 12520 | Water Depth: 270 |
| Public Info Code: Y 10-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10300 / 10299 | DEF AT first sample examined | DEF AT |
| 11110 / 11109 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 12490 / 12489 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 12520 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 160 | Date of Summary: 06-OCT-1996 | First Sample Examined: 0 |
| Lease Number: G04433 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10530 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 10167 |
| API Well Number: 177084061600 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 280 |
| Public Info Code: Y 01-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8430 / 8222 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 160 | Date of Summary: 29-JUN-1984 | First Sample Examined: 0 |
| Lease Number: G04433 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10720 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 10267 |
| API Well Number: 177084061700 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 280 |
| Public Info Code: Y 27-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6710 / 6474 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8580 / 8244 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 161 | Date of Summary: 28-DEC-1984 | First Sample Examined: 4960 |
| Lease Number: G04809 | Source of Paleo: OPERATOR | Borehole MD: 11792 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9767 |
| API Well Number: 177084062200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 2 | Sample Range: 4960 - 10233 | Water Depth: 270 |
| Public Info Code: Y 09-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 4960 / 4841 | DEF AT first sample examined | DEF IN 2 |
| 5600 / 5373 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 5760 / 5504 | DEF AT sample gap top | POS AT 3 |
| 6020 / 5718 | DEF AT sample gap bottom | POS AT 3 |
| 6230 / 5890 | DEF AT sample gap top | POS AT 3 |
| 6470 / 6086 | DEF AT sample gap bottom | POS AT 3 |
| 7070 / 6532 | DEF AT sample gap top | POS AT 3 |
| 7270 / 6682 | DEF AT sample gap bottom | POS AT 3 |
| 7390 / 6773 | DEF AT - - - - - | DEF AT 4 |
| 10090 / 8803 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 10233 / 8902 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 161 | Date of Summary: 10-JAN-1985 | First Sample Examined: 7105 |
| Lease Number: G04809 | Source of Paleo: OPERATOR | Borehole MD: 11792 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9767 |
| API Well Number: 177084062200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 116 |
| Paleo Report Num: 2 of 2 | Sample Range: 7105 - 11370 | Water Depth: 270 |
| Public Info Code: Y 09-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Redrill report

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 7105 / 6558 | DEF AT first sample examined | DEF IN 3 |
| 7980 / 7224 | DEF AT sample gap top | POS AT 3 |
| 8110 / 7324 | DEF AT sample gap bottom | POS AT 3 |
| 8260 / 7440 | DEF AT sample gap top | POS AT 3 |
| 8410 / 7558 | DEF AT sample gap bottom | POS AT 3 |
| 10320 / 8962 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 10486 / 9072 | DEF AT sample gap top | POS AT 3 |
| 10580 / 9130 | DEF AT sample gap bottom | DEF AT 3 |
| 10800 / 9255 | DEF AT - - - - - | DEF AT 4 |
| 11010 / 9363 | DEF AT sample gap top | POS AT 4 |
| 11110 / 9409 | DEF AT sample gap bottom | DEF AT 4 |
| 11230 / 9464 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 11231 / 9465 | POS AT gouge | DEF AT 5 |
| 11310 / 9501 | DEF AT - - - - - | DEF AT 6 |
| 11370 / 9529 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 161 | Date of Summary: 27-MAR-1984 | First Sample Examined: 5170 |
| Lease Number: G04809 | Source of Paleo: OPERATOR | Borehole MD: 12188 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11286 |
| API Well Number: 177084061200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 5170 - 12186 | Water Depth: 270 |
| Public Info Code: Y 29-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5170 / 4920 | DEF AT first sample examined | DEF AT 3 |
| 5171 / 4921 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 7080 / 6674 | DEF AT sample gap top | POS AT 3 |
| 7470 / 7021 | DEF AT sample gap bottom | DEF AT 3 |
| 9090 / 8438 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 9930 / 9185 | DEF AT Arenaceous fauna (local marker) | DEF AT 3 |
| 9990 / 9240 | POS IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 10380 / 9597 | DEF AT - - - - - | DEF AT 4 |
| 10500 / 9709 | DEF AT - - - - - | DEF AT 5 |
| 12186 / 11284 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 161 | Date of Summary: 27-MAR-1984 | First Sample Examined: 9240 |
| Lease Number: G04809 | Source of Paleo: OPERATOR | Borehole MD: 11957 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10906 |
| API Well Number: 177084061201 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 9240 - 11957 | Water Depth: 270 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 2 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 9240 / 8569 | DEF AT first sample examined | DEF IN 3 |
| 9750 / 9023 | DEF AT Arenaceous fauna (local marker) | DEF IN 3 |
| 10320 / 9529 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 10380 / 9583 | DEF AT - - - - - | DEF AT 5 |
| 11957 / 10906 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 161 | Date of Summary: 19-JUN-1985 | First Sample Examined: 9210 |
| Lease Number: G04809 | Source of Paleo: OPERATOR | Borehole MD: 11574 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10580 |
| API Well Number: 177084062400 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 2 | Sample Range: 9210 - 11600 | Water Depth: 270 |
| Public Info Code: Y 13-AUG-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9210 / 8764 | DEF AT first sample examined | DEF AT 4 |
| 9211 / 8765 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 9860 / 9338 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 11600 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: SM 161 | Date of Summary: 05-AUG-1985 | First Sample Examined: 10120 |
| Lease Number: G04809 | Source of Paleo: OPERATOR | Borehole MD: 11574 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10580 |
| API Well Number: 177084062400 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 116 |
| Paleo Report Num: 2 of 2 | Sample Range: 10120 - 11574 | Water Depth: 270 |
| Public Info Code: Y 13-AUG-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10120 / 9550 | DEF AT first sample examined | DEF AT 4 |
| 10270 / 9662 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 11574 / 10580 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 161 | Date of Summary: 22-MAR-1985 | First Sample Examined: 5230 |
| Lease Number: G04809 | Source of Paleo: OPERATOR | Borehole MD: 10573 |
| Well Name: A005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9886 |
| API Well Number: 177084062700 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 5230 - 10573 | Water Depth: 270 |
| Public Info Code: Y 16-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5230 / 5067 | DEF AT first sample examined | DEF IN 2 |
| 5570 / 5379 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6810 / 6521 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 6950 / 6649 | DEF AT sample gap top | POS AT 3 |
| 7150 / 6833 | DEF AT sample gap bottom | DEF AT 3 |
| 7830 / 7452 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 10220 / 9562 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10573 / 9886 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 161 | Date of Summary: 15-APR-1985 | First Sample Examined: 4731 |
| Lease Number: G04809 | Source of Paleo: OPERATOR | Borehole MD: 10553 |
| Well Name: A006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9842 |
| API Well Number: 177084063000 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 4731 - 10520 | Water Depth: 270 |
| Public Info Code: Y 12-MAY-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 4731 / 4730 | DEF AT first sample examined | DEF AT |
| 4732 / 4731 | DEF IN cement | DEF AT |
| 5470 / 5464 | DEF AT - - - - - | DEF IN 3 |
| 8105 / 7816 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 8720 / 8348 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 9238 / 8798 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9820 / 9272 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 9880 / 9319 | DEF AT - - - - - | DEF AT 5 |
| 10030 / 9437 | DEF AT - - - - - | DEF AT 6 |
| 10430 / 9758 | DEF AT anhydrite | DEF AT |
| 10520 / 9831 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 161 | Date of Summary: 19-JUN-1985 | First Sample Examined: 4760 |
| Lease Number: G04809 | Source of Paleo: OPERATOR | Borehole MD: 9520 |
| Well Name: A006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8562 |
| API Well Number: 177084063001 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 4760 - 9498 | Water Depth: 270 |
| Public Info Code: Y 01-JUL-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4760 / 4759 | DEF AT first sample examined | DEF IN 2 |
| 5370 / 5342 | DEF AT - - - - - | DEF AT 3 |
| 5400 / 5370 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6390 / 6244 | DEF AT sample gap top | POS AT 3 |
| 6480 / 6317 | DEF AT sample gap bottom | DEF AT 3 |
| 8600 / 7845 | DEF AT - - - - - | DEF AT 4 |
| 9498 / 8545 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 161 | Date of Summary: 16-MAY-1985 | First Sample Examined: 5102 |
| Lease Number: G04809 | Source of Paleo: OPERATOR | Borehole MD: 12710 |
| Well Name: A007 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11385 |
| API Well Number: 177084063200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 5102 - 12740 | Water Depth: 273 |
| Public Info Code: Y 12-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5102 / 4820 | DEF AT first sample examined | DEF AT |
| 5103 / 4821 | DEF IN cement | DEF AT |
| 5317 / 5012 | DEF AT - - - - - | DEF IN 2 |
| 5772 / 5392 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 5892 / 5493 | DEF AT - - - - - | DEF AT 4 |
| 6506 / 6013 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 7340 / 6727 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 8494 / 7739 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9975 / 8993 | DEF AT - - - - - | DEF AT 5 |
| 11200 / 10028 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 12740 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SM 161 | Date of Summary: 12-AUG-1985 | First Sample Examined: 4415 |
| Lease Number: G04809 | Source of Paleo: OPERATOR | Borehole MD: 9582 |
| Well Name: A008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8323 |
| API Well Number: 177084063400 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 1 | Sample Range: 4415 - 9550 | Water Depth: 270 |
| Public Info Code: Y 05-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4415 / 4036 | DEF AT first sample examined | DEF IN 2 |
| 4953 / 4500 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 2 |
| 5226 / 4727 | DEF AT - - - - - | DEF AT 3 |
| 5920 / 5294 | DEF AT sample gap top | DEF AT |
| 6040 / 5393 | DEF AT sample gap bottom | DEF AT |
| 6160 / 5491 | DEF AT sample gap top | DEF AT |
| 6230 / 5549 | DEF AT sample gap bottom | DEF AT |
| 9550 / 8296 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SM 169 | Date of Summary: 19-NOV-1993 | First Sample Examined: 2010 |
| Lease Number: G09554 | Source of Paleo: OPERATOR | Borehole MD: 18020 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18020 |
| API Well Number: 177084077800 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 2 | Sample Range: 2010 - 18010 | Water Depth: 288 |
| Public Info Code: Y 04-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2010 / 2010 | DEF AT first sample examined | DEF AT |
| 2011 / 2011 | POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 4470 / 4469 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 4500 / 4499 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 5760 / 5759 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7650 / 7649 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 10360 / 10358 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 10660 / 10658 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 10760 / 10758 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 10770 / 10768 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 11279 / 11277 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 11280 / 11278 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 11310 / 11308 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 11319 / 11317 | POS AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 11320 / 11318 | DEF AT gouge | DEF AT |
| 12489 / 12486 | POS AT base of salt | DEF AT |
| 12490 / 12487 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 12580 / 12577 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 12910 / 12907 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 14220 / 14217 | POS IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 14850 / 14847 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 16290 / 16286 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|------------------------------------|
| Area Block: SM 169 | Date of Summary: 19-NOV-1993 | First Sample Examined: 2010 |
| Lease Number: G09554 | Source of Paleo: OPERATOR | Borehole MD: 18020 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18020 |
| API Well Number: 177084077800 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 2 | Sample Range: 2010 - 18010 | Water Depth: 288 |
| Public Info Code: Y 04-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 17270 / 17266 | POS AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 18010 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SM 169 | Date of Summary: 22-NOV-1993 | First Sample Examined: 2010 |
| Lease Number: G09554 | Source of Paleo: OPERATOR | Borehole MD: 18020 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18020 |
| API Well Number: 177084077800 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 2 of 2 | Sample Range: 2010 - 18020 | Water Depth: 288 |
| Public Info Code: Y 04-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2010 / 2010 | DEF AT first sample examined | DEF AT 2 |
| 2040 / 2040 | DEF AT - - - - - | DEF AT 3 |
| 2370 / 2370 | POS IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6150 / 6149 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 6780 / 6779 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 7470 / 7469 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 7770 / 7769 | DEF AT - - - - - | DEF AT 3 |
| 10610 / 10608 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 10750 / 10748 | DEF AT - - - - - | DEF AT 4 |
| 10760 / 10758 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 4 |
| 10780 / 10778 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 11290 / 11288 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 11300 / 11298 | DEF AT local marker deep water fauna | DEF AT 5 |
| 11330 / 11328 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 6 |
| 11500 / 11498 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 11600 / 11597 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 11610 / 11607 | POS AT salt | DEF AT 6 |
| 11611 / 11608 | DEF AT anhydrite | DEF AT 6 |
| 12489 / 12486 | DEF AT gouge | DEF AT 6 |
| 12490 / 12487 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 6 |
| 12520 / 12517 | DEF AT - - - - - | DEF IN 5 |
| 12910 / 12907 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SM 169 | Date of Summary: 22-NOV-1993 | First Sample Examined: 2010 |
| Lease Number: G09554 | Source of Paleo: OPERATOR | Borehole MD: 18020 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 18020 |
| API Well Number: 177084077800 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 2 of 2 | Sample Range: 2010 - 18020 | Water Depth: 288 |
| Public Info Code: Y 04-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13260 / 13257 | DEF AT - - - - - | DEF AT 6 |
| 13290 / 13287 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 14190 / 14187 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 14730 / 14727 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 16290 / 16286 | POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 6 |
| 18020 / | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 190 | Date of Summary: 05-AUG-1992 | First Sample Examined: 0 |
| Lease Number: G11925 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12750 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12000 |
| API Well Number: 177084076800 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 365 |
| Public Info Code: Y 31-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10080 / 9521 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 12210 / 11505 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: SM 198 | Date of Summary: 12-AUG-1996 | First Sample Examined: 5720 |
| Lease Number: G12899 | Source of Paleo: OPERATOR | Borehole MD: 13439 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13439 |
| API Well Number: 177084081900 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 2 | Sample Range: 5720 - 13438 | Water Depth: 380 |
| Public Info Code: Y 29-JUL-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 5720 / 5720 | DEF AT first sample examined | DEF AT 3 |
| 6560 / 6560 | DEF AT - - - - - | DEF AT 4 |
| 6620 / 6620 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 6800 / 6800 | DEF AT - - - - - | DEF AT 5 |
| 7640 / 7639 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 8120 / 8119 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 8209 / 8208 | DEF AT anhydrite | DEF AT 6 |
| 8210 / 8209 | DEF AT salt | DEF AT 6 |
| 10310 / 10308 | DEF AT base of salt | DEF AT 6 |
| 10430 / 10428 | DEF AT - - - - - | DEF IN 5 |
| 11210 / 11206 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF IN 5 |
| 11660 / 11656 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 12800 / 12795 | DEF AT - - - - - | DEF IN 5 |
| 13070 / 13064 | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 5 |
| 13250 / 13244 | DEF AT - - - - - | DEF AT 6 |
| 13280 / 13274 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 13438 / 13432 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: SM 198 | Date of Summary: 12-AUG-1996 | First Sample Examined: 5720 |
| Lease Number: G12899 | Source of Paleo: OPERATOR | Borehole MD: 13439 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13439 |
| API Well Number: 177084081900 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 105 |
| Paleo Report Num: 2 of 2 | Sample Range: 5720 - 13438 | Water Depth: 380 |
| Public Info Code: Y 29-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 5720 / 5720 | DEF AT first sample examined | DEF AT |
| 6620 / 6620 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 6800 / 6800 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7610 / 7609 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 8000 / 7999 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 8090 / 8089 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 8120 / 8119 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 8450 / 8449 | DEF AT salt | DEF AT |
| 10310 / 10308 | DEF AT out-of-place section | DEF AT |
| 11065 / 11062 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 11660 / 11656 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 12860 / 12855 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 12950 / 12945 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 13250 / 13244 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 13438 / 13432 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: SM 204 | Date of Summary: 12-MAR-1997 | First Sample Examined: 11980 |
| Lease Number: G13614 | Source of Paleo: OPERATOR | Borehole MD: 14683 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 14676 |
| API Well Number: 177084083200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 5100 - 14680 | Water Depth: 400 |
| Public Info Code: Y 13-SEP-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 11980 / 11979 | DEF AT first sample examined | DEF AT 3 |
| 12040 / 12039 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 3 |
| 12220 / 12219 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 3 |
| 12670 / 12669 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 4 |
| 12730 / 12729 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 13570 / 13568 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 4 |
| 13870 / 13867 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 4 |
| 13900 / 13897 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 14650 / | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 14680 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 205 | Date of Summary: 06-NOV-1989 | First Sample Examined: 0 |
| Lease Number: G05473 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6751 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 5283 |
| API Well Number: 177084071700 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 442 |
| Public Info Code: Y 24-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6446 / 5086 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SM 205 | Date of Summary: 13-DEC-1988 | First Sample Examined: 1590 |
| Lease Number: G05475 | Source of Paleo: OPERATOR | Borehole MD: 6000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 5999 |
| API Well Number: 177084062300 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 1590 - 6000 | Water Depth: 457 |
| Public Info Code: Y 16-MAR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1590 / 1590 | DEF AT first sample examined | POS AT 3 |
| 2400 / 2400 | DEF AT - - - - - | DEF AT 3 |
| 2610 / 2610 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 4710 / 4710 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 5610 / 5610 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 6000 / 5999 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SM 232 | Date of Summary: 27-OCT-1993 | First Sample Examined: 5190 |
| Lease Number: G08687 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10300 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10273 |
| API Well Number: 177074061700 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 5190 - 10300 | Water Depth: 17 |
| Public Info Code: Y 03-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5190 / 5190 | DEF AT first sample examined | DEF AT |
| 6780 / 6780 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 8430 / 8429 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8610 / 8608 | DEF AT - - - - - | POS AT 3 |
| 10300 / 10273 | DEF AT last sample examined | POS AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 232 | Date of Summary: 30-SEP-1993 | First Sample Examined: 0 |
| Lease Number: G08687 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11580 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 10060 |
| API Well Number: 177074062100 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 17 |
| Public Info Code: Y 03-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11174 / 9692 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: SM 232 | Date of Summary: 17-NOV-1993 | First Sample Examined: 0 |
| Lease Number: G08687 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14335 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 11500 |
| API Well Number: 177074061000 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 5190 - 10300 | Water Depth: 16 |
| Public Info Code: Y 03-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6780 / 6127 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 8430 / 7314 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8610 / 7446 | DEF AT - - - - - | POS AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 234 | Date of Summary: 19-JAN-1993 | First Sample Examined: 0 |
| Lease Number: G04436 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12700 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10799 |
| API Well Number: 177074051300 | Drilling Operator: SOCO OFFSHORE INC | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 19 |
| Public Info Code: Y 17-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6980 / 6945 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 11216 / 9951 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 235 | Date of Summary: 22-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G02300 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11100 |
| Well Name: 008 | Paleo Done By: OPERATOR | Borehole TVD: 11099 |
| API Well Number: 177074052000 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 25 |
| Public Info Code: Y 14-APR-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8710 / 8709 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 10270 / 10269 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: SM 245 | Date of Summary: 02-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G14450 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12242 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12242 |
| API Well Number: 177074068500 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 21 |
| Public Info Code: Y 15-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8770 / 8770 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10870 / 10868 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 11020 / 11018 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 252 | Date of Summary: 19-DEC-1986 | First Sample Examined: 0 |
| Lease Number: G02598 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10458 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9722 |
| API Well Number: 177074053200 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 22 |
| Public Info Code: Y 26-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8607 / 8032 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 261 | Date of Summary: 12-APR-1984 | First Sample Examined: 0 |
| Lease Number: G02306 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12744 |
| Well Name: 014 | Paleo Done By: OPERATOR | Borehole TVD: 12744 |
| API Well Number: 177074043500 | Drilling Operator: SOCO OFFSHORE INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 35 |
| Public Info Code: Y 12-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 7680 / 7678 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 7830 / 7828 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 9060 / 9058 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 10960 / 10955 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT |
| 11560 / 11555 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 12580 / 12574 | DEF AT anhydrite | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 261 | Date of Summary: 28-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G02306 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6729 |
| Well Name: 015 | Paleo Done By: OPERATOR | Borehole TVD: 6695 |
| API Well Number: 177074068400 | Drilling Operator: SOCO OFFSHORE INC | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 33 |
| Public Info Code: Y 12-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3700 / 3698 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 3850 / 3848 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 4170 / 4168 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 4320 / 4318 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5080 / 5077 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 5680 / 5675 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: SM 261 | Date of Summary: 21-MAY-1973 | First Sample Examined: 110 |
| Lease Number: G02306 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 10000 |
| Well Name: B001 | Paleo Done By: WING GEE | Borehole TVD: 9990 |
| API Well Number: 177074004900 | Drilling Operator: CONOCO INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 110 - 10000 | Water Depth: 35 |
| Public Info Code: Y 12-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 110 / 110 | DEF AT first sample examined | DEF AT 1 |
| 160 / 160 | DEF AT faunal change (no faunal increase) | DEF IN 1 |
| 1120 / 1120 | DEF AT local marker benthic foram increase | DEF IN 1 |
| 3250 / 3250 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 3370 / 3370 | DEF AT faunal change (no faunal increase) | DEF IN 1 |
| 6610 / 6607 | POS AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT 2 |
| 6700 / 6696 | DEF AT faunal change (no faunal increase) | DEF IN 1 |
| 6910 / 6906 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 7028 / 7023 | DEF AT Upper Miocene (Tortonian) Reophax davepopei | DEF AT 2 |
| 7029 / 7024 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 2 |
| 7030 / 7025 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 2 |
| 7180 / 7175 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 7510 / 7504 | DEF AT Arenaceous fauna (local marker) | DEF AT 2 |
| 7690 / 7683 | DEF AT local marker foram decrease | DEF IN 1 |
| 7960 / 7953 | DEF AT Arenaceous fauna (local marker) | DEF AT 2 |
| 8020 / 8013 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 2 |
| 8470 / 8461 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 3 |
| 8860 / 8851 | DEF AT pyrite | DEF AT 3 |
| 9370 / 9360 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF IN 3 |
| 9640 / 9630 | DEF AT pyrite | DEF IN 3 |
| 9760 / 9750 | DEF AT local marker benthic foram increase | DEF AT 4 |
| 9970 / 9960 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: SM 261 | Date of Summary: 21-MAY-1973 | First Sample Examined: 110 |
| Lease Number: G02306 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 10000 |
| Well Name: B001 | Paleo Done By: WING GEE | Borehole TVD: 9990 |
| API Well Number: 177074004900 | Drilling Operator: CONOCO INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 110 - 10000 | Water Depth: 35 |
| Public Info Code: Y 12-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 10000 / 9990 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 261 | Date of Summary: 28-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G02306 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7906 |
| Well Name: C001 | Paleo Done By: OPERATOR | Borehole TVD: 7500 |
| API Well Number: 177074061600 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 69 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 32 |
| Public Info Code: Y 12-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4200 / 4172 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5010 / 4908 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 6420 / 6172 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SM 266 | Date of Summary: 05-OCT-1993 | First Sample Examined: 5000 |
| Lease Number: G09565 | Source of Paleo: OPERATOR | Borehole MD: 10864 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10864 |
| API Well Number: 177074065300 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 10820 | Water Depth: 24 |
| Public Info Code: Y 28-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 5000 | DEF AT first sample examined | DEF AT 1 |
| 8300 / 8299 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 8750 / 8749 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 9170 / 9169 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 9800 / 9799 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 10250 / 10249 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 10730 / 10729 | DEF AT local marker foram increase | DEF AT 5 |
| 10820 / 10819 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 275 | Date of Summary: 07-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G05477 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15989 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13610 |
| API Well Number: 177074048300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 52 |
| Public Info Code: Y 03-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12270 / 10924 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 14340 / 12435 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 15630 / 13377 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: SM 275 | Date of Summary: 14-FEB-1990 | First Sample Examined: 8010 |
| Lease Number: G05477 | Source of Paleo: OPERATOR | Borehole MD: 14026 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 13654 |
| API Well Number: 177074058500 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 900 - 14000 | Water Depth: 54 |
| Public Info Code: Y 24-OCT-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8010 / 8010 | DEF AT first sample examined | DEF AT 1 |
| 8011 / 8011 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT 1 |
| 9200 / 9200 | DEF AT - - - - - | DEF AT 3 |
| 9450 / 9450 | DEF AT - - - - - | DEF AT 2 |
| 10770 / 10769 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 11400 / 11396 | DEF AT - - - - - | DEF AT 3 |
| 11900 / 11889 | DEF AT - - - - - | DEF AT 2 |
| 12870 / 12758 | DEF AT - - - - - | DEF AT 3 |
| 12960 / 12834 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 14000 / 13636 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: SM 275 | Date of Summary: 25-SEP-1992 | First Sample Examined: 3860 |
| Lease Number: G05477 | Source of Paleo: OPERATOR | Borehole MD: 12250 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 12248 |
| API Well Number: 177074053000 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 3860 - 12250 | Water Depth: 54 |
| Public Info Code: Y 28-OCT-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 3860 / 3860 | DEF AT first sample examined | DEF AT 1 |
| 6320 / 6320 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 8450 / 8450 | DEF AT ----- | DEF AT 2 |
| 8600 / 8600 | DEF AT ----- | DEF AT 1 |
| 9200 / 9200 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 2 |
| 9470 / 9470 | DEF AT ----- | DEF AT 3 |
| 9530 / 9530 | DEF AT ----- | DEF AT 2 |
| 9620 / 9620 | DEF AT ----- | DEF AT 1 |
| 10070 / 10070 | DEF AT ----- | DEF AT 2 |
| 10790 / 10790 | DEF AT ----- | DEF AT 4 |
| 10910 / 10909 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 10970 / 10969 | DEF AT ----- | DEF AT 3 |
| 11000 / 10999 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 11150 / 11149 | DEF AT ----- | DEF AT 4 |
| 11330 / 11329 | DEF AT ----- | DEF AT 3 |
| 11540 / 11539 | DEF AT ----- | DEF AT 4 |
| 11810 / 11809 | DEF AT ----- | DEF AT 3 |
| 12050 / 12048 | DEF AT ----- | DEF AT 2 |
| 12250 / 12248 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 277 | Date of Summary: 02-MAY-1995 | First Sample Examined: 0 |
| Lease Number: G14455 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12247 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11296 |
| API Well Number: 177074068700 | Drilling Operator: GLOBAL NATURAL RESOURCES CORP | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 48 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9150 / 9050 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 10110 / 9760 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11660 / 10852 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: SM 285 | Date of Summary: 30-JUL-1997 | First Sample Examined: 12318 |
| Lease Number: G13616 | Source of Paleo: OPERATOR | Borehole MD: 15280 |
| Well Name: 002 | Paleo Done By: THOMAS REILLY | Borehole TVD: 15266 |
| API Well Number: 177074074900 | Drilling Operator: W & T OFFSHORE INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 12318 - 14765 | Water Depth: 60 |
| Public Info Code: Y 15-JAN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 12318 / | DEF AT first sample examined | DEF IN 1 |
| 12904 / | DEF AT Upper Miocene (Tortonian) Reophax davepopei | DEF AT 3 |
| 12905 / | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 3 |
| 12906 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 13215 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 13680 / | DEF AT - - - - - | DEF IN 2 |
| 13711 / | DEF AT local marker benthic foram increase | DEF IN 2 |
| 13804 / | DEF AT - - - - - | DEF AT 2 |
| 14207 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 2 |
| 14393 / | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 3 |
| 14610 / | DEF AT - - - - - | DEF IN 2 |
| 14765 / | DEF AT last sample examined | DEF IN 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SM 286 | Date of Summary: 04-AUG-1995 | First Sample Examined: 0 |
| Lease Number: G11931 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13780 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13780 |
| API Well Number: 177074068900 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 54 |
| Public Info Code: Y 27-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6535 / 6535 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 8677 / 8677 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 13070 / 13069 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SP 35 | Date of Summary: 25-APR-1991 | First Sample Examined: 0 |
| Lease Number: G09695 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10326 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10000 |
| API Well Number: 177214039800 | Drilling Operator: ENERGY DEVELOPMENT CORPORATION | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 207 |
| Public Info Code: Y 02-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6600 / 6462 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SP 36 | Date of Summary: 16-MAY-1995 | First Sample Examined: 0 |
| Lease Number: G12077 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12200 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10364 |
| API Well Number: 177214042800 | Drilling Operator: CHIEFTAIN INTERNATIONAL US INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 137 |
| Public Info Code: Y 14-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 3800 / 3800 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 3920 / 3920 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 5900 / 5899 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 7010 / 6968 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 8510 / 8184 | DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 11970 / 10232 | DEF AT Cyclammina sp. (local marker) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SP 45 | Date of Summary: 04-OCT-1986 | First Sample Examined: 0 |
| Lease Number: G01606 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9680 |
| Well Name: 008 | Paleo Done By: OPERATOR | Borehole TVD: 8590 |
| API Well Number: 177214033000 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 248 |
| Public Info Code: Y 29-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5830 / 5719 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SP 45 | Date of Summary: 12-APR-1984 | First Sample Examined: 0 |
| Lease Number: G04479 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7068 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 7068 |
| API Well Number: 177214029500 | Drilling Operator: TEXACO INC | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 190 |
| Public Info Code: Y 02-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5905 / 5905 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SP 45 | Date of Summary: 29-MAY-1985 | First Sample Examined: 3210 |
| Lease Number: G04479 | Source of Paleo: OPERATOR | Borehole MD: 11676 |
| Well Name: 006 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9605 |
| API Well Number: 177214032500 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 3210 - 11670 | Water Depth: 195 |
| Public Info Code: Y 05-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 3210 / 3089 | DEF AT first sample examined | DEF AT 2 |
| 3750 / 3505 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 3900 / 3611 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 4380 / 3927 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 5520 / 4655 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 6720 / 5405 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 3 |
| 7380 / 5851 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 7920 / 6286 | POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 3 |
| 8850 / 7086 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 3 |
| 11670 / 9601 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SP 46 | Date of Summary: 18-JUN-1986 | First Sample Examined: 0 |
| Lease Number: G04897 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13245 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11986 |
| API Well Number: 177214034500 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 237 |
| Public Info Code: Y 31-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6387 / 6386 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SP 46 | Date of Summary: 10-SEP-1992 | First Sample Examined: 1470 |
| Lease Number: G04897 | Source of Paleo: OPERATOR | Borehole MD: 9119 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8984 |
| API Well Number: 177214041300 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 2 | Sample Range: 1470 - 9119 | Water Depth: 229 |
| Public Info Code: Y 31-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 1470 / 1470 | DEF AT first sample examined | DEF AT 2 |
| 2100 / 2100 | DEF AT - - - - - | DEF AT 3 |
| 2370 / 2370 | DEF AT - - - - - | DEF AT 4 |
| 2820 / 2818 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 3269 / 3267 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 3270 / 3268 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 3650 / 3648 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 3680 / 3678 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 3800 / 3798 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 3920 / 3918 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 4460 / 4458 | DEF AT local marker foram decrease | DEF AT 4 |
| 4580 / 4578 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 6320 / 6289 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 6530 / 6490 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannaï (acme) | DEF AT 4 |
| 7100 / 7037 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 7220 / 7152 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 7370 / 7295 | DEF AT - - - - - | DEF AT 3 |
| 7820 / 7725 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 9119 / 8984 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SP 46 | Date of Summary: 11-SEP-1992 | First Sample Examined: 1470 |
| Lease Number: G04897 | Source of Paleo: OPERATOR | Borehole MD: 9119 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8984 |
| API Well Number: 177214041300 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 2 | Sample Range: 1470 - 9119 | Water Depth: 229 |
| Public Info Code: Y 31-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1470 / 1470 | DEF AT first sample examined | DEF AT |
| 2730 / 2729 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 3090 / 3088 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 3270 / 3268 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 3859 / 3857 | DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase) | DEF AT |
| 3860 / 3858 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 4580 / 4578 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 4670 / 4668 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 4850 / 4848 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 7160 / 7094 | POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 7250 / 7181 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 7430 / 7352 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 7940 / 7841 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 9119 / 8984 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SP 54 | Date of Summary: 31-JAN-1985 | First Sample Examined: 4000 |
| Lease Number: G04479 | Source of Paleo: OPERATOR | Borehole MD: 15047 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11834 |
| API Well Number: 177214031600 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 3 | Sample Range: 4000 - 13630 | Water Depth: 283 |
| Public Info Code: Y 12-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4000 / 3561 | DEF AT first sample examined | DEF AT 3 |
| 6040 / 5106 | DEF AT sample gap top | POS AT 3 |
| 7330 / 6125 | DEF AT sample gap bottom | DEF AT 3 |
| 7990 / 6653 | DEF AT - - - - - | DEF AT 4 |
| 8860 / 7336 | DEF AT - - - - - | DEF AT 3 |
| 9960 / 8133 | DEF AT - - - - - | DEF AT 2 |
| 10380 / 8435 | DEF AT - - - - - | DEF AT 3 |
| 11299 / 9110 | DEF AT Eggerella 3 (local marker) | DEF AT 3 |
| 11300 / 9110 | POS AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 3 |
| 11980 / 9622 | DEF AT - - - - - | DEF AT 4 |
| 12579 / 10069 | POS AT Eggerella 3 (local marker) | DEF AT 4 |
| 12580 / 10070 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 12620 / 10099 | DEF AT cement | POS AT 4 |
| 12700 / 10158 | DEF AT - - - - - | DEF AT 3 |
| 13120 / 10436 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 13630 / 10776 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: SP 54 | Date of Summary: 31-JAN-1985 | First Sample Examined: 12650 |
| Lease Number: G04479 | Source of Paleo: OPERATOR | Borehole MD: 15047 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11834 |
| API Well Number: 177214031600 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 80 |
| Paleo Report Num: 2 of 3 | Sample Range: 12650 - 13990 | Water Depth: 283 |
| Public Info Code: Y 12-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12650 / 10121 | DEF AT first sample examined | POS AT 3 |
| 12651 / 10122 | DEF IN Cyclammina cancellata (local marker) | POS AT 3 |
| 12830 / 10251 | DEF AT - - - - | DEF AT 3 |
| 13180 / 10474 | DEF AT Cyclammina cancellata (local marker) | DEF AT 3 |
| 13509 / 10691 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 13510 / 10692 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 4 |
| 13990 / 11042 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: SP 54 | Date of Summary: 31-JAN-1985 | First Sample Examined: 12830 |
| Lease Number: G04479 | Source of Paleo: OPERATOR | Borehole MD: 15047 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11834 |
| API Well Number: 177214031600 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 80 |
| Paleo Report Num: 3 of 3 | Sample Range: 12830 - 15025 | Water Depth: 283 |
| Public Info Code: Y 12-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12830 / 10251 | DEF AT first sample examined | DEF AT 3 |
| 12831 / 10252 | DEF IN Cyclammina cancellata (local marker) | DEF AT 3 |
| 13070 / 10405 | DEF AT - - - - - | DEF AT 4 |
| 13190 / 10480 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 13360 / 10591 | DEF AT - - - - - | DEF AT 3 |
| 13759 / 10870 | DEF AT Bathysiphon fauna | DEF AT 4 |
| 13760 / 10871 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 4 |
| 14830 / 11671 | DEF AT Eggerella 3 (local marker) | DEF AT 5 |
| 15025 / 11817 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SP 56 | Date of Summary: 20-JUN-1984 | First Sample Examined: 1020 |
| Lease Number: G03416 | Source of Paleo: OPERATOR | Borehole MD: 9776 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9000 |
| API Well Number: 177214030700 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 1020 - 9776 | Water Depth: 178 |
| Public Info Code: Y 20-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 1020 / 1020 | DEF AT first sample examined | DEF IN 2 |
| 1350 / 1350 | DEF AT - - - - - | DEF AT 3 |
| 2790 / 2692 | DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF AT 5 |
| 3660 / 3420 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 3870 / 3595 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 3900 / 3620 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 5 |
| 4710 / 4297 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 4920 / 4477 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 5820 / 5249 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 6720 / 6018 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 8310 / 7536 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 9776 / 9000 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SP 56 | Date of Summary: 20-JUN-1984 | First Sample Examined: 4099 |
| Lease Number: G03416 | Source of Paleo: OPERATOR | Borehole MD: 8299 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6322 |
| API Well Number: 177214031000 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 2 | Sample Range: 4099 - 5370 | Water Depth: 179 |
| Public Info Code: Y 20-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 4099 / 3711 | DEF AT first sample examined | DEF IN 4 |
| 4100 / 3712 | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 4 |
| 4170 / 3751 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF IN 4 |
| 4260 / 3799 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF IN 4 |
| 4470 / 3913 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 4 |
| 4890 / 4154 | DEF AT local marker deep water fauna | DEF AT 5 |
| 5129 / 4286 | POS AT Upper Pliocene (Gelasian) Bolivina imperata / "P" | DEF AT 5 |
| 5130 / 4287 | POS AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT 5 |
| 5370 / 4412 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SP 56 | Date of Summary: 20-JUN-1984 | First Sample Examined: 4380 |
| Lease Number: G03416 | Source of Paleo: OPERATOR | Borehole MD: 8299 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6322 |
| API Well Number: 177214031000 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 2 of 2 | Sample Range: 4380 - 8299 | Water Depth: 179 |
| Public Info Code: Y 20-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4380 / 3863 | DEF AT first sample examined | DEF AT 4 |
| 4381 / 3864 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 4590 / 3981 | POS AT local marker deep water fauna | DEF AT 5 |
| 5069 / 4254 | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT 5 |
| 5070 / 4254 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 5 |
| 5100 / 4271 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 8299 / 6323 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: SP 63 | Date of Summary: 21-FEB-1996 | First Sample Examined: 10000 |
| Lease Number: G13647 | Source of Paleo: OPERATOR | Borehole MD: 16350 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16344 |
| API Well Number: 177234017000 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 4870 - 16340 | Water Depth: 291 |
| Public Info Code: Y 25-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 10000 / 9999 | DEF AT first sample examined | POS IN 3 |
| 10090 / 10089 | DEF IN Upper Miocene (Tortonian) Textularia 6 | DEF IN 3 |
| 10210 / 10209 | DEF AT reworked material | DEF IN 3 |
| 10480 / 10479 | POS IN Upper Miocene (Tortonian) Robulus "E" | DEF IN 3 |
| 11409 / 11408 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 4 |
| 11410 / 11409 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |
| 11890 / 11889 | DEF AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT 4 |
| 12609 / 12607 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT 5 |
| 12610 / 12608 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 13120 / 13118 | POS AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT 5 |
| 14900 / 14896 | POS AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT 3 |
| 15140 / 15136 | DEF IN Upper Miocene (Tortonian) Catinaster coalitus | DEF AT 4 |
| 16159 / 16154 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 16160 / 16155 | DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus | DEF AT 4 |
| 16220 / 16215 | DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 4 |
| 16430 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SP 68 | Date of Summary: 11-SEP-1990 | First Sample Examined: 0 |
| Lease Number: G10892 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11267 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9912 |
| API Well Number: 177234015400 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 361 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6510 / 5559 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SP 75 | Date of Summary: 27-MAR-1984 | First Sample Examined: 4000 |
| Lease Number: G05051 | Source of Paleo: OPERATOR | Borehole MD: 15700 |
| Well Name: A001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15700 |
| API Well Number: 177224009700 | Drilling Operator: CONOCO INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 15700 | Water Depth: 358 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4000 / 4000 | DEF AT first sample examined | POS AT 3 |
| 4001 / 4001 | DEF AT cement | POS AT 3 |
| 4240 / 4240 | DEF AT - - - - - | DEF AT 3 |
| 4360 / 4360 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 4900 / 4900 | DEF AT - - - - - | DEF AT 2 |
| 5140 / 5140 | POS AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 2 |
| 6010 / 6010 | DEF AT sample gap top | POS AT 2 |
| 7000 / 7000 | DEF AT sample gap bottom | DEF AT 2 |
| 8260 / 8259 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 4 |
| 8380 / 8379 | DEF AT - - - - - | DEF AT 3 |
| 9910 / 9909 | DEF AT - - - - - | DEF AT 4 |
| 10150 / 10149 | DEF AT - - - - - | DEF AT 3 |
| 10540 / 10539 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 10750 / 10749 | DEF AT - - - - - | DEF AT 3 |
| 12579 / 12577 | DEF AT Cyclammina sp. (local marker) | DEF AT 3 |
| 12580 / 12578 | DEF AT Eggerella 3 (local marker) | DEF AT 3 |
| 12610 / 12608 | DEF AT - - - - - | DEF AT 5 |
| 12730 / 12728 | DEF AT - - - - - | DEF AT 3 |
| 14590 / 14587 | DEF AT - - - - - | DEF AT 4 |
| 14920 / 14917 | DEF AT - - - - - | DEF AT 3 |
| 15638 / 15635 | DEF AT Cyclammina sp. (local marker) | DEF AT 5 |
| 15639 / 15636 | DEF AT Eggerella 3 (local marker) | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SP 75 | Date of Summary: 27-MAR-1984 | First Sample Examined: 4000 |
| Lease Number: G05051 | Source of Paleo: OPERATOR | Borehole MD: 15700 |
| Well Name: A001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15700 |
| API Well Number: 177224009700 | Drilling Operator: CONOCO INC | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 15700 | Water Depth: 358 |
| Public Info Code: Y 13-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 15640 / 15637 | DEF IN Upper Miocene (Messinian) Textularia tatumi | DEF AT 5 |
| 15700 / 15697 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SP 75 | Date of Summary: 27-FEB-1985 | First Sample Examined: 4430 |
| Lease Number: G05051 | Source of Paleo: OPERATOR | Borehole MD: 16233 |
| Well Name: A002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 14580 |
| API Well Number: 177224010600 | Drilling Operator: CONOCO INC | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 4430 - 16220 | Water Depth: 358 |
| Public Info Code: Y 09-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4430 / 4430 | DEF AT first sample examined | DEF AT 3 |
| 4490 / 4490 | DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 3 |
| 5900 / 5802 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 6110 / 5978 | DEF AT - - - - - | DEF AT 2 |
| 10370 / 9566 | DEF AT - - - - - | DEF AT 3 |
| 10519 / 9695 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 4 |
| 10520 / 9696 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 4 |
| 10700 / 9852 | DEF AT - - - - - | DEF AT 3 |
| 11479 / 10528 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 11480 / 10529 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 4 |
| 11630 / 10660 | DEF AT - - - - - | DEF AT 3 |
| 13490 / 12277 | DEF AT Cyclammina sp. (local marker) | DEF AT 4 |
| 15530 / 13997 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 16220 / 14572 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|------------------------------|
| Area Block: SP 77 | Date of Summary: 14-FEB-1990 | First Sample Examined: 11400 |
| Lease Number: G02184 | Source of Paleo: OPERATOR | Borehole MD: 17000 |
| Well Name: C015 | Paleo Done By: OPERATOR | Borehole TVD: 15773 |
| API Well Number: 177224016500 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 1 | Sample Range: 11400 - 17000 | Water Depth: 225 |
| Public Info Code: Y 19-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11400 / 10880 | DEF AT first sample examined | DEF AT 2 |
| 11610 / 11059 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 13050 / 12302 | DEF AT - - - - - | DEF AT 4 |
| 14010 / 13117 | DEF AT - - - - - | DEF AT 3 |
| 14700 / 13698 | DEF AT - - - - - | DEF AT 2 |
| 17000 / 15781 | DEF AT last sample examined | POS AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|------------------------------|
| Area Block: SP 77 | Date of Summary: 14-FEB-1990 | First Sample Examined: 10710 |
| Lease Number: G02184 | Source of Paleo: OPERATOR | Borehole MD: 17851 |
| Well Name: C020 | Paleo Done By: OPERATOR | Borehole TVD: 16608 |
| API Well Number: 177224014300 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 1 | Sample Range: 10710 - 17850 | Water Depth: 226 |
| Public Info Code: Y 19-APR-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: No diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 10710 / 10389 | DEF AT first sample examined | DEF AT 3 |
| 13140 / 12607 | DEF AT ----- | DEF AT 2 |
| 14010 / 13410 | DEF AT ----- | DEF AT 3 |
| 15270 / 14570 | DEF AT ----- | DEF AT 2 |
| 15570 / 14842 | DEF AT ----- | DEF AT 3 |
| 15900 / 15136 | DEF AT ----- | DEF AT 2 |
| 17850 / 16608 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|------------------------------|
| Area Block: SP 77 | Date of Summary: 14-FEB-1990 | First Sample Examined: 15310 |
| Lease Number: G02184 | Source of Paleo: OPERATOR | Borehole MD: 17069 |
| Well Name: C020 | Paleo Done By: OPERATOR | Borehole TVD: 16374 |
| API Well Number: 177224014301 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 1 | Sample Range: 15310 - 17069 | Water Depth: 226 |
| Public Info Code: Y 16-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: No diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 15310 / 14662 | DEF AT first sample examined | DEF AT 2 |
| 15370 / 14720 | DEF AT ----- | DEF AT 3 |
| 16480 / 15803 | DEF AT ----- | DEF AT 2 |
| 16810 / 16127 | DEF AT ----- | DEF AT 3 |
| 17069 / 16380 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: SP 77 | Date of Summary: 14-FEB-1990 | First Sample Examined: 8700 |
| Lease Number: G02184 | Source of Paleo: OPERATOR | Borehole MD: 16012 |
| Well Name: C020 | Paleo Done By: OPERATOR | Borehole TVD: 15129 |
| API Well Number: 177224014302 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 121 |
| Paleo Report Num: 1 of 1 | Sample Range: 8700 - 16012 | Water Depth: 226 |
| Public Info Code: Y 14-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: No diagnostic foram markers noted

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|------------------------------|----------|
| 8700 / 8458 | DEF AT first sample examined | DEF AT 2 |
| 9330 / 9024 | DEF AT ----- | DEF AT 3 |
| 9900 / 9544 | DEF AT ----- | DEF AT 1 |
| 10110 / 9736 | DEF AT ----- | DEF AT 3 |
| 11340 / 10856 | DEF AT ----- | DEF AT 4 |
| 11670 / 11153 | DEF AT ----- | DEF AT 3 |
| 13330 / 12657 | DEF AT ----- | DEF AT 1 |
| 13500 / 12814 | DEF AT ----- | DEF AT 3 |
| 13890 / 13175 | DEF AT ----- | DEF AT 2 |
| 14790 / 14015 | DEF AT ----- | DEF AT 3 |
| 15360 / 14540 | DEF AT ----- | DEF AT 2 |
| 15480 / 14648 | DEF AT ----- | DEF AT 3 |
| 16012 / 15130 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SP 83 | Date of Summary: 25-JUL-1988 | First Sample Examined: 0 |
| Lease Number: G05052 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11100 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 11098 |
| API Well Number: 177224016600 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 472 |
| Public Info Code: Y 24-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3750 / 3749 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 10820 / 10818 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: SP 83 | Date of Summary: 04-OCT-1988 | First Sample Examined: 0 |
| Lease Number: G05052 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12670 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 12096 |
| API Well Number: 177224016900 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 515 |
| Public Info Code: Y 28-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9196 / 9107 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 11230 / 10865 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 12580 / 12018 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SP 86 | Date of Summary: 07-JUL-1989 | First Sample Examined: 3500 |
| Lease Number: G01618 | Source of Paleo: OPERATOR | Borehole MD: 17600 |
| Well Name: 014 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 16816 |
| API Well Number: 177224017500 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 3 | Sample Range: 3500 - 10580 | Water Depth: 388 |
| Public Info Code: Y 02-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 3500 / 3500 | DEF AT first sample examined | DEF AT |
| 4700 / 4681 | POS AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT |
| 4880 / 4852 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT |
| 5180 / 5136 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 6530 / 6404 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT |
| 6650 / 6515 | DEF AT local marker foram increase | DEF AT |
| 10580 / 10130 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SP 86 | Date of Summary: 07-JUL-1989 | First Sample Examined: 8480 |
| Lease Number: G01618 | Source of Paleo: OPERATOR | Borehole MD: 17600 |
| Well Name: 014 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 16816 |
| API Well Number: 177224017500 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 74 |
| Paleo Report Num: 2 of 3 | Sample Range: 8480 - 17779 | Water Depth: 388 |
| Public Info Code: Y 02-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Redrill report, consultant-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8480 / 8193 | DEF AT first sample examined | DEF AT |
| 8481 / 8194 | DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 12010 / 11457 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 13570 / 12896 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 15250 / 14498 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |
| 17779 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: SP 86 | Date of Summary: 07-JUL-1989 | First Sample Examined: 16440 |
| Lease Number: G01618 | Source of Paleo: OPERATOR | Borehole MD: 17600 |
| Well Name: 014 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 16816 |
| API Well Number: 177224017500 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 74 |
| Paleo Report Num: 3 of 3 | Sample Range: 16440 - 17580 | Water Depth: 388 |
| Public Info Code: Y 02-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark: Sidetrack report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 16440 / 15664 | DEF AT first sample examined | DEF AT |
| 16441 / 15665 | DEF IN cement | DEF AT |
| 17580 / 16796 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SP 89 | Date of Summary: 19-JAN-1988 | First Sample Examined: 3520 |
| Lease Number: G01618 | Source of Paleo: OPERATOR | Borehole MD: 17291 |
| Well Name: 013 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16294 |
| API Well Number: 177224015100 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 5 | Sample Range: 3520 - 15381 | Water Depth: 411 |
| Public Info Code: Y 13-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 3520 / 3520 | DEF AT first sample examined | DEF AT 4 |
| 4300 / 4300 | DEF AT - - - - - | DEF AT 5 |
| 4720 / 4720 | POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 5 |
| 5829 / 5829 | DEF AT glauconite | DEF AT 5 |
| 5830 / 5830 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 5890 / 5890 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 6100 / 6100 | DEF AT - - - - - | DEF AT 4 |
| 6490 / 6488 | DEF AT - - - - - | DEF AT 5 |
| 6700 / 6694 | DEF AT - - - - - | DEF AT 4 |
| 13210 / 12949 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 14440 / 14077 | DEF AT - - - - - | DEF AT 5 |
| 15381 / 14868 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: SP 89 | Date of Summary: 19-JAN-1988 | First Sample Examined: 12800 |
| Lease Number: G01618 | Source of Paleo: OPERATOR | Borehole MD: 17291 |
| Well Name: 013 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16294 |
| API Well Number: 177224015100 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 2 of 5 | Sample Range: 12800 - 14570 | Water Depth: 411 |
| Public Info Code: Y 13-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12800 / 12565 | DEF AT first sample examined | DEF IN 4 |
| 13160 / 12903 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF IN 4 |
| 14570 / 14194 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: SP 89 | Date of Summary: 19-JAN-1988 | First Sample Examined: 13320 |
| Lease Number: G01618 | Source of Paleo: OPERATOR | Borehole MD: 17291 |
| Well Name: 013 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16294 |
| API Well Number: 177224015100 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 3 of 5 | Sample Range: 13320 - 15770 | Water Depth: 411 |
| Public Info Code: Y 13-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 004 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13320 / 13051 | DEF AT first sample examined | DEF AT 4 |
| 13470 / 13188 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 15450 / 14920 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 15770 / 15159 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: SP 89 | Date of Summary: 19-JAN-1988 | First Sample Examined: 14870 |
| Lease Number: G01618 | Source of Paleo: OPERATOR | Borehole MD: 17291 |
| Well Name: 013 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16294 |
| API Well Number: 177224015100 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 4 of 5 | Sample Range: 14870 - 16190 | Water Depth: 411 |
| Public Info Code: Y 13-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 005 |

Remark: Sidetrack 3 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14870 / 14456 | DEF AT first sample examined | DEF AT 4 |
| 15500 / 14958 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 16190 / 15468 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: SP 89 | Date of Summary: 19-JAN-1988 | First Sample Examined: 14420 |
| Lease Number: G01618 | Source of Paleo: OPERATOR | Borehole MD: 17291 |
| Well Name: 013 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16294 |
| API Well Number: 177224015100 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 5 of 5 | Sample Range: 14420 - 17291 | Water Depth: 411 |
| Public Info Code: Y 13-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 006 |

Remark: Sidetrack 4 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 14420 / 14058 | DEF AT first sample examined | DEF IN 4 |
| 17291 / 16294 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SP 89 | Date of Summary: 20-JUL-1989 | First Sample Examined: 0 |
| Lease Number: G01618 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10137 |
| Well Name: B018 | Paleo Done By: OPERATOR | Borehole TVD: 9280 |
| API Well Number: 177224017600 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 118 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 420 |
| Public Info Code: Y 12-FEB-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6559 / 5982 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 7800 / 7077 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SP 89 | Date of Summary: 22-JUN-1988 | First Sample Examined: 0 |
| Lease Number: G01618 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12407 |
| Well Name: B020 | Paleo Done By: OPERATOR | Borehole TVD: 11865 |
| API Well Number: 177224016200 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 118 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 420 |
| Public Info Code: Y 13-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4800 / 4765 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT |
| 6000 / 5807 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 8039 / 7580 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10710 / 10169 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 12090 / 11548 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SP 96 | Date of Summary: 18-AUG-1994 | First Sample Examined: 0 |
| Lease Number: G13954 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16750 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16743 |
| API Well Number: 177224022300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 515 |
| Public Info Code: Y 31-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 6540 / 6539 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 15660 / 15656 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 30 | Date of Summary: 13-MAY-1988 | First Sample Examined: 0 |
| Lease Number: 00333 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15630 |
| Well Name: 011 | Paleo Done By: OPERATOR | Borehole TVD: 14762 |
| API Well Number: 177114093000 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 15 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|---------------|---|----------------|
| 8500 / 8499 | DEF AT - - - - - | DEF AT 2 |
| 9580 / 9578 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 10060 / 10057 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 2 |
| 10390 / 10380 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 12760 / 12461 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 2 |
| 12850 / 12536 | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 2 |
| 13570 / 13138 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 2 |
| 15250 / 14468 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 52 | Date of Summary: 02-OCT-1995 | First Sample Examined: 0 |
| Lease Number: G11976 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18505 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17847 |
| API Well Number: 177114117101 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 14 |
| Public Info Code: Y 06-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9500 / 9393 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 10640 / 10371 | POS AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 16310 / 15664 | POS AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SS 58 | Date of Summary: 27-JUL-1989 | First Sample Examined: 9000 |
| Lease Number: G07746 | Source of Paleo: OPERATOR | Borehole MD: 12899 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11602 |
| API Well Number: 177114098700 | Drilling Operator: HALL-HOUSTON OIL COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 9000 - 12900 | Water Depth: 15 |
| Public Info Code: Y 22-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9000 / 8724 | DEF AT first sample examined | DEF IN 2 |
| 9510 / 9079 | DEF AT - - - - | DEF AT 3 |
| 9570 / 9121 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 9870 / 9335 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 10800 / 10014 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 11400 / 10462 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 3 |
| 12900 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 66 | Date of Summary: 17-DEC-1984 | First Sample Examined: 0 |
| Lease Number: G06736 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13540 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13538 |
| API Well Number: 177114081200 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 26 |
| Public Info Code: Y 30-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5892 / 5892 | POS AT Pliocene | DEF AT |
| 8473 / 8472 | POS IN Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 8474 / 8473 | POS AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 9443 / 9442 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 10102 / 10101 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10874 / 10873 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|-------------------------------------|
| Area Block: SS 66 | Date of Summary: 29-MAR-1985 | First Sample Examined: 10250 |
| Lease Number: G06736 | Source of Paleo: OPERATOR | Borehole MD: 12386 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12386 |
| API Well Number: 177114082100 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 10250 - 12390 | Water Depth: 28 |
| Public Info Code: Y 15-JAN-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10250 / | DEF AT first sample examined | POS AT 2 |
| 10710 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 2 |
| 12390 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 66 | Date of Summary: 15-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G06736 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10675 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 10675 |
| API Well Number: 177114084000 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 26 |
| Public Info Code: Y 23-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6805 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 9998 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 66 | Date of Summary: 14-OCT-1985 | First Sample Examined: 0 |
| Lease Number: G06736 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13380 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 13380 |
| API Well Number: 177114085900 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 25 |
| Public Info Code: Y 19-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8070 / | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 9868 / | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 12097 / | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SS 68 | Date of Summary: 01-APR-1990 | First Sample Examined: 7450 |
| Lease Number: G02917 | Source of Paleo: OPERATOR | Borehole MD: 13547 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11631 |
| API Well Number: 177114096700 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 7450 - 12820 | Water Depth: 31 |
| Public Info Code: Y 28-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 7450 / 7449 | DEF AT first sample examined | DEF AT 1 |
| 8830 / 8764 | DEF AT - - - - - | DEF AT 2 |
| 8890 / 8816 | DEF AT - - - - - | DEF AT 3 |
| 9040 / 8938 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 9490 / 9265 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 10300 / 9732 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 12430 / 10966 | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 3 |
| 12820 / 11203 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 69 | Date of Summary: 17-JAN-1985 | First Sample Examined: 0 |
| Lease Number: G03577 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15100 |
| Well Name: 010 | Paleo Done By: OPERATOR | Borehole TVD: 15088 |
| API Well Number: 177114081000 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 33 |
| Public Info Code: Y 19-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6100 / 6100 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 8930 / 8930 | POS IN Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 8931 / 8931 | POS AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 11488 / 11487 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 72 | Date of Summary: 02-DEC-1998 | First Sample Examined: 0 |
| Lease Number: G12345 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12790 |
| Well Name: 021 | Paleo Done By: OPERATOR | Borehole TVD: 11529 |
| API Well Number: 177114080500 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 120 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 25 |
| Public Info Code: Y 24-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10810 / 10247 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11250 / 10548 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 76 | Date of Summary: 07-JAN-1992 | First Sample Examined: 0 |
| Lease Number: G10762 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11596 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 11595 |
| API Well Number: 177114107700 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 20 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9517 / 9517 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 9986 / 9985 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10465 / 10464 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 10688 / 10687 | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 84 | Date of Summary: 05-DEC-1989 | First Sample Examined: 0 |
| Lease Number: G03160 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13300 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 13300 |
| API Well Number: 177114100100 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 122 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 22 |
| Public Info Code: Y 11-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10065 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11540 / | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 90 | Date of Summary: 14-JUN-1984 | First Sample Examined: 0 |
| Lease Number: G05540 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12728 |
| API Well Number: 177114074702 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 71 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 33 |
| Public Info Code: Y 24-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 10610 / 10516 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11510 / 11228 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 12650 / 12069 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 13090 / 12402 | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 92 | Date of Summary: 05-JUL-1988 | First Sample Examined: 7000 |
| Lease Number: G05541 | Source of Paleo: OPERATOR | Borehole MD: 11967 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11705 |
| API Well Number: 177114093900 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 11967 | Water Depth: 24 |
| Public Info Code: Y 25-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7000 / 7000 | DEF AT first sample examined | DEF AT 2 |
| 8080 / 8079 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 10440 / 10335 | DEF AT Upper Miocene (Tortonian) Reophax davepopei | DEF AT 4 |
| 10627 / 10502 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 11444 / 11235 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 11633 / 11405 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 11817 / 11571 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 11967 / 11705 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 92 | Date of Summary: 08-MAR-1989 | First Sample Examined: 5000 |
| Lease Number: G05541 | Source of Paleo: OPERATOR | Borehole MD: 10370 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10366 |
| API Well Number: 177114097700 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 10370 | Water Depth: 24 |
| Public Info Code: Y 26-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5000 / 5000 | DEF AT first sample examined | DEF AT 3 |
| 5001 / 5001 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5390 / 5389 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 5750 / 5749 | DEF AT - - - - - | DEF AT 2 |
| 6500 / 6499 | DEF AT - - - - - | DEF AT 3 |
| 6620 / 6619 | DEF AT - - - - - | DEF AT 2 |
| 7790 / 7789 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 8030 / 8029 | DEF AT - - - - - | DEF AT 2 |
| 9470 / 9466 | DEF AT - - - - - | DEF AT 3 |
| 10188 / 10184 | POS AT unconformity | DEF AT 3 |
| 10189 / 10185 | POS AT fault | DEF AT 3 |
| 10190 / 10186 | DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 3 |
| 10370 / 10366 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 92 | Date of Summary: 06-JUN-1997 | First Sample Examined: 0 |
| Lease Number: G05541 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11660 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 11394 |
| API Well Number: 177114097800 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 24 |
| Public Info Code: Y 16-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7580 / 7444 | POS AT Upper Miocene (Messinian) Textularia tatumi | DEF AT |
| 10730 / 10412 | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 92 | Date of Summary: 20-JUL-1989 | First Sample Examined: 0 |
| Lease Number: G05541 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11070 |
| Well Name: 006 | Paleo Done By: OPERATOR | Borehole TVD: 10940 |
| API Well Number: 177114098500 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 24 |
| Public Info Code: Y 26-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7700 / 7597 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10500 / 10395 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 10580 / 10475 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|------------------------------------|
| Area Block: SS 92 | Date of Summary: 10-OCT-1988 | First Sample Examined: 6840 |
| Lease Number: G05541 | Source of Paleo: OPERATOR | Borehole MD: 11590 |
| Well Name: A001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11588 |
| API Well Number: 177114096500 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 6840 - 11590 | Water Depth: 24 |
| Public Info Code: Y 03-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6840 / 6840 | DEF AT first sample examined | DEF AT 2 |
| 7650 / 7649 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 10240 / 10239 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 10660 / 10659 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 4 |
| 11200 / 11198 | DEF IN Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 11560 / 11558 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 94 | Date of Summary: 13-JAN-1987 | First Sample Examined: 0 |
| Lease Number: 00042 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10340 |
| Well Name: 022 | Paleo Done By: OPERATOR | Borehole TVD: 9500 |
| API Well Number: 177114090700 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 34 |
| Public Info Code: Y 05-JAN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8230 / 8217 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 10090 / 10075 | POS AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SS 97 | Date of Summary: 12-MAR-1992 | First Sample Examined: 5000 |
| Lease Number: G12936 | Source of Paleo: OPERATOR | Borehole MD: 13665 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13665 |
| API Well Number: 177114108200 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 2 | Sample Range: 5000 - 13670 | Water Depth: 23 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 5000 / | DEF AT first sample examined | DEF AT 2 |
| 5090 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 8690 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 10400 / | DEF AT - - - - - | DEF AT 3 |
| 10430 / | DEF AT - - - - - | DEF AT 4 |
| 10520 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 10730 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 11390 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 4 |
| 11690 / | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 13070 / | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 13670 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|-------------------------------------|
| Area Block: SS 97 | Date of Summary: 12-MAR-1992 | First Sample Examined: 10400 |
| Lease Number: G12936 | Source of Paleo: OPERATOR | Borehole MD: 13665 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13665 |
| API Well Number: 177114108200 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 2 | Sample Range: 10400 - 13670 | Water Depth: 23 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10400 / | DEF AT first sample examined | DEF AT |
| 10520 / | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 11120 / | POS AT Upper Miocene (Tortonian) Discoaster calcaris | DEF AT |
| 12770 / | POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 13670 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 98 | Date of Summary: 04-MAR-1986 | First Sample Examined: 0 |
| Lease Number: G05542 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13192 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13192 |
| API Well Number: 177114088300 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 17 |
| Public Info Code: Y 11-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7950 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 105 | Date of Summary: 19-SEP-1989 | First Sample Examined: 6000 |
| Lease Number: G09614 | Source of Paleo: OPERATOR | Borehole MD: 12965 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12963 |
| API Well Number: 177114099500 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 12965 | Water Depth: 35 |
| Public Info Code: Y 10-OCT-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6000 / 6000 | DEF AT first sample examined | DEF IN 2 |
| 6780 / 6780 | POS IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 2 |
| 8400 / 8399 | POS AT - - - - - | DEF AT 3 |
| 10980 / 10978 | DEF AT - - - - - | DEF AT 4 |
| 11280 / 11278 | POS AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 11790 / 11788 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 12965 / 12963 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 110 | Date of Summary: 14-JUL-1997 | First Sample Examined: 0 |
| Lease Number: G13914 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12956 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11767 |
| API Well Number: 177114122300 | Drilling Operator: MARINER ENERGY INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 28 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10840 / 10350 | DEF IN Upper Miocene (Tortonian) Textularia 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: SS 112 | Date of Summary: 09-MAY-1986 | First Sample Examined: 0 |
| Lease Number: 00066 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13277 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 13272 |
| API Well Number: 177114089400 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 40 |
| Public Info Code: Y 04-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9675 / | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |
| 11297 / | POS IN Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 12077 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 12521 / | DEF AT gouge | DEF AT |
| 13205 / | DEF AT salt | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 113 | Date of Summary: 08-JUN-1988 | First Sample Examined: 0 |
| Lease Number: 00042 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14000 |
| Well Name: N001 | Paleo Done By: OPERATOR | Borehole TVD: 13050 |
| API Well Number: 177114092800 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 36 |
| Public Info Code: Y 25-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10530 / 10438 | POS AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 11170 / 10935 | DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT |
| 11740 / 11378 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 113 | Date of Summary: 09-JUL-1984 | First Sample Examined: 0 |
| Lease Number: 00067 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7785 |
| Well Name: 040 | Paleo Done By: OPERATOR | Borehole TVD: 7781 |
| API Well Number: 177114078200 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 12-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6820 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: SS 113 | Date of Summary: 03-JUL-1985 | First Sample Examined: 0 |
| Lease Number: 00067 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7882 |
| Well Name: 041 | Paleo Done By: OPERATOR | Borehole TVD: 7713 |
| API Well Number: 177114084800 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 57 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 48 |
| Public Info Code: Y 10-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6070 / 5923 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 113 | Date of Summary: 04-NOV-1985 | First Sample Examined: 0 |
| Lease Number: 00067 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8270 |
| Well Name: 043 | Paleo Done By: OPERATOR | Borehole TVD: 8256 |
| API Well Number: 177114086100 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 54 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 51 |
| Public Info Code: Y 22-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4800 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7910 / | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 8240 / | DEF AT gouge | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 113 | Date of Summary: 20-JUL-1994 | First Sample Examined: 0 |
| Lease Number: 00067 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6531 |
| Well Name: 046 | Paleo Done By: OPERATOR | Borehole TVD: 6469 |
| API Well Number: 177114089300 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 55 |
| Public Info Code: Y 28-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4420 / 4373 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 113 | Date of Summary: 16-JUN-1998 | First Sample Examined: 0 |
| Lease Number: 00067 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12725 |
| Well Name: 048 | Paleo Done By: OPERATOR | Borehole TVD: 12154 |
| API Well Number: 177114099300 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 47 |
| Public Info Code: Y 13-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 8640 / 8607 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10920 / 10613 | DEF AT Cyclammina sp. (local marker) | DEF AT |
| 11520 / 11143 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11640 / 11249 | DEF AT gouge | DEF AT |
| 12450 / 11906 | DEF AT salt | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 114 | Date of Summary: 15-MAY-1985 | First Sample Examined: 0 |
| Lease Number: 00064 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9650 |
| Well Name: 049 | Paleo Done By: OPERATOR | Borehole TVD: 9522 |
| API Well Number: 177114084600 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 10-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8929 / 8817 | DEF IN Upper Miocene (Tortonian) Textularia 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 114 | Date of Summary: 06-SEP-1986 | First Sample Examined: 0 |
| Lease Number: 00064 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8005 |
| Well Name: 056 | Paleo Done By: OPERATOR | Borehole TVD: 7805 |
| API Well Number: 177114090100 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 40 |
| Public Info Code: Y 16-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4710 / 4568 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6950 / 6752 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: SS 114 | Date of Summary: 19-AUG-1985 | First Sample Examined: 0 |
| Lease Number: 00064 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8137 |
| Well Name: 060 | Paleo Done By: OPERATOR | Borehole TVD: 8122 |
| API Well Number: 177114085600 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 51 |
| Public Info Code: Y 28-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: 5470=salt overhang

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5470 / | DEF AT salt | DEF AT |
| 7846 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 8000 / | DEF AT gouge | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 117 | Date of Summary: 06-APR-1987 | First Sample Examined: 0 |
| Lease Number: 00065 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14159 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 13770 |
| API Well Number: 177114091100 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 54 |
| Public Info Code: Y 16-APR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9630 / 9568 | POS AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 11150 / 10925 | DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT |
| 11940 / 11629 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 13715 / 13331 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 14385 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 117 | Date of Summary: 22-FEB-1989 | First Sample Examined: 0 |
| Lease Number: 00065 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12247 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 12193 |
| API Well Number: 177114096800 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 55 |
| Public Info Code: Y 16-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9460 / 9458 | POS AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 10870 / 10863 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 119 | Date of Summary: 30-MAR-1999 | First Sample Examined: 0 |
| Lease Number: 00069 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9078 |
| Well Name: 021 | Paleo Done By: OPERATOR | Borehole TVD: 8813 |
| API Well Number: 177114088701 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 48 |
| Public Info Code: Y 24-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5482 / 5436 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8150 / 7937 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 120 | Date of Summary: 30-JUL-1984 | First Sample Examined: 0 |
| Lease Number: G05545 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5665 |
| Well Name: 006 | Paleo Done By: OPERATOR | Borehole TVD: 5665 |
| API Well Number: 177114079500 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 36 |
| Public Info Code: Y 16-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5228 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 123 | Date of Summary: 21-AUG-1995 | First Sample Examined: 0 |
| Lease Number: G12939 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16692 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16688 |
| API Well Number: 177114117000 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 28 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12720 / 12719 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 13290 / 13289 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 14760 / 14759 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 15720 / 15718 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SS 130 | Date of Summary: 17-FEB-1984 | First Sample Examined: 7000 |
| Lease Number: 00453 | Source of Paleo: OPERATOR | Borehole MD: 12523 |
| Well Name: E004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11155 |
| API Well Number: 177114075900 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 12520 | Water Depth: 45 |
| Public Info Code: Y 09-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7000 / 6806 | DEF AT first sample examined | DEF IN 2 |
| 7630 / 7283 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 2 |
| 9100 / 8444 | DEF AT - - - - | DEF AT 3 |
| 9670 / 8899 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 11560 / 10377 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 12520 / 11153 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SS 130 | Date of Summary: 24-MAY-1984 | First Sample Examined: 7000 |
| Lease Number: 00453 | Source of Paleo: OPERATOR | Borehole MD: 13308 |
| Well Name: E005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12057 |
| API Well Number: 177114076200 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 13300 | Water Depth: 45 |
| Public Info Code: Y 26-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7000 / 6999 | DEF AT first sample examined | DEF AT 3 |
| 7001 / 7000 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 10960 / 10233 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 11740 / 10795 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 13300 / 11920 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SS 133 | Date of Summary: 29-JUN-1981 | First Sample Examined: 4690 |
| Lease Number: G03582 | Source of Paleo: OPERATOR | Borehole MD: 12431 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12003 |
| API Well Number: 177114057400 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 65 |
| Paleo Report Num: 1 of 1 | Sample Range: 4690 - 12430 | Water Depth: 37 |
| Public Info Code: Y 07-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4690 / 4406 | DEF AT first sample examined | DEF IN 3 |
| 4990 / 4675 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 5560 / 5179 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 9010 / 8583 | DEF AT sample gap top | POS AT 3 |
| 9110 / 8683 | DEF AT sample gap bottom | DEF AT 3 |
| 9200 / 8773 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 10910 / 10483 | POS AT Cyclammina cancellata (local marker) | DEF AT 3 |
| 11210 / 10783 | DEF AT - - - - | DEF AT 4 |
| 12430 / 12002 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SS 133 | Date of Summary: 31-AUG-1981 | First Sample Examined: 4500 |
| Lease Number: G04228 | Source of Paleo: OPERATOR | Borehole MD: 12996 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12483 |
| API Well Number: 177114058600 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 65 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 12737 | Water Depth: 37 |
| Public Info Code: Y 04-OCT-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4500 / 4410 | DEF AT first sample examined | DEF AT 3 |
| 4501 / 4411 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 4710 / 4608 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 5610 / 5450 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 10410 / 10000 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 10680 / 10259 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 11760 / 11295 | POS AT Upper Miocene (Messinian) Bolivina denticulata | DEF AT 5 |
| 12737 / 12235 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 133 | Date of Summary: 10-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G04228 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4616 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 4616 |
| API Well Number: 177114083600 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 43 |
| Public Info Code: Y 04-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3788 / 3788 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SS 133 | Date of Summary: 17-FEB-1981 | First Sample Examined: 3500 |
| Lease Number: G04228 | Source of Paleo: OPERATOR | Borehole MD: 14037 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14037 |
| API Well Number: 177114054600 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 3500 - 14040 | Water Depth: 37 |
| Public Info Code: Y 04-OCT-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3500 / 3500 | DEF AT first sample examined | DEF AT 3 |
| 3501 / 3501 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4220 / 4220 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 4340 / 4340 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 4700 / 4700 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 5420 / 5420 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 10590 / 10590 | POS AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 3 |
| 10620 / 10620 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 4 |
| 12240 / 12240 | POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 12870 / 12869 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 5 |
| 14040 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SS 133 | Date of Summary: 20-MAY-1982 | First Sample Examined: 3143 |
| Lease Number: G04228 | Source of Paleo: OPERATOR | Borehole MD: 12967 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12127 |
| API Well Number: 177114062900 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 65 |
| Paleo Report Num: 1 of 1 | Sample Range: 3143 - 12960 | Water Depth: 37 |
| Public Info Code: Y 04-OCT-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 3143 / 3037 | DEF AT first sample examined | DEF IN 2 |
| 4200 / 4013 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4940 / 4702 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5310 / 5047 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 5850 / 5551 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 10360 / 9753 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 10920 / 10274 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 12180 / 11431 | POS AT Upper Miocene (Messinian) Bolivina denticulata | DEF AT 4 |
| 12960 / 12121 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 134 | Date of Summary: 17-DEC-1997 | First Sample Examined: 0 |
| Lease Number: G05201 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6200 |
| Well Name: 009 | Paleo Done By: OPERATOR | Borehole TVD: 6200 |
| API Well Number: 177114074900 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 43 |
| Public Info Code: Y 12-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5823 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 135 | Date of Summary: 25-JUN-1984 | First Sample Examined: 0 |
| Lease Number: G03164 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7070 |
| Well Name: 013 | Paleo Done By: OPERATOR | Borehole TVD: 7070 |
| API Well Number: 177114076400 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 45 |
| Public Info Code: Y 06-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5800 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: SS 139 | Date of Summary: 23-JUN-1998 | First Sample Examined: 13490 |
| Lease Number: G13915 | Source of Paleo: OPERATOR | Borehole MD: 15474 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14795 |
| API Well Number: 177114126600 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 2 | Sample Range: 3500 - 15470 | Water Depth: 62 |
| Public Info Code: Y 05-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13490 / 13165 | DEF AT first sample examined | DEF AT 3 |
| 13491 / 13166 | POS IN Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 14060 / 13622 | POS AT Upper Miocene (Tortonian) Textularia 6 | DEF AT 3 |
| 14270 / 13793 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 14690 / 14133 | POS AT Arenaceous fauna (local marker) | DEF AT 4 |
| 15080 / 14453 | DEF AT local marker foram increase | DEF IN 4 |
| 15140 / 14504 | DEF AT local marker foram increase | DEF IN 4 |
| 15260 / 14605 | DEF AT limestone | DEF IN 4 |
| 15261 / 14606 | POS AT cement | DEF IN 4 |
| 15273 / 14616 | DEF AT drilling material | DEF IN 4 |
| 15320 / 14656 | POS AT local marker foram decrease | DEF IN 4 |
| 15470 / 14785 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: SS 139 | Date of Summary: 20-OCT-1998 | First Sample Examined: 14000 |
| Lease Number: G13915 | Source of Paleo: OPERATOR | Borehole MD: 15474 |
| Well Name: 001 | Paleo Done By: MJ SEQUENCE BIOSTRAT. SVCE. (M JIANG) | Borehole TVD: 14795 |
| API Well Number: 177114126600 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 95 |
| Paleo Report Num: 2 of 2 | Sample Range: 14000 - 15470 | Water Depth: 62 |
| Public Info Code: Y 05-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 14000 / 13573 | DEF AT first sample examined | DEF AT |
| 14030 / 13598 | DEF IN Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 14120 / 13670 | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 14210 / 13744 | DEF AT local marker floral decrease | DEF AT |
| 14840 / 14255 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 15110 / 14479 | POS AT unconformity | DEF AT |
| 15140 / 14504 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |
| 15229 / 14579 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 15230 / 14580 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 15470 / 14785 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: SS 139 | Date of Summary: 23-JUN-1998 | First Sample Examined: 14684 |
| Lease Number: G13915 | Source of Paleo: OPERATOR | Borehole MD: 15310 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14570 |
| API Well Number: 177114126601 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 2 | Sample Range: 14684 - 15310 | Water Depth: 62 |
| Public Info Code: Y 05-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14684 / 14127 | DEF AT first sample examined | DEF AT |
| 14685 / 14128 | DEF AT drilling material | DEF AT |
| 14686 / 14129 | DEF AT poor sample interval top | DEF AT |
| 14709 / 14147 | DEF AT poor sample interval bottom | DEF AT |
| 14710 / 14148 | POS AT Arenaceous fauna (local marker) | DEF AT 4 |
| 14770 / 14194 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 15220 / 14510 | DEF AT local marker foram increase | DEF IN 4 |
| 15310 / 14570 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: SS 139 | Date of Summary: 20-OCT-1998 | First Sample Examined: 14684 |
| Lease Number: G13915 | Source of Paleo: OPERATOR | Borehole MD: 15310 |
| Well Name: 001 | Paleo Done By: MJ SEQUENCE BIOSTRAT. SVCE. (M JIANG) | Borehole TVD: 14570 |
| API Well Number: 177114126601 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 95 |
| Paleo Report Num: 2 of 2 | Sample Range: 14684 - 15310 | Water Depth: 62 |
| Public Info Code: Y 05-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 14684 / 14127 | DEF AT first sample examined | DEF AT |
| 14770 / 14194 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 15190 / 14490 | DEF AT fault | DEF AT |
| 15220 / 14510 | DEF AT local marker floral increase | DEF AT |
| 15280 / 14550 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 15310 / 14570 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: SS 139 | Date of Summary: 23-JUN-1998 | First Sample Examined: 12550 |
| Lease Number: G13915 | Source of Paleo: OPERATOR | Borehole MD: 16460 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14857 |
| API Well Number: 177114126602 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 2 | Sample Range: 12550 - 16460 | Water Depth: 60 |
| Public Info Code: Y 05-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sample quality ranged from adequate to very poor throughout the interval

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14050 / 13414 | DEF AT first sample examined | DEF AT |
| 14051 / 13414 | DEF AT drilling material | DEF AT |
| 14052 / 13415 | DEF AT poor sample interval top | DEF AT |
| 14170 / 13492 | POS AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 14350 / 13609 | POS AT Arenaceous fauna (local marker) | DEF AT |
| 15010 / 14014 | POS IN Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 15219 / 14136 | DEF AT poor sample interval bottom | DEF AT |
| 15220 / 14137 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 15910 / 14540 | POS AT Arenaceous fauna (local marker) | DEF AT 4 |
| 16460 / 14857 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: SS 139 | Date of Summary: 19-OCT-1998 | First Sample Examined: 13990 |
| Lease Number: G13915 | Source of Paleo: OPERATOR | Borehole MD: 16460 |
| Well Name: 001 | Paleo Done By: MJ SEQUENCE BIOSTRAT. SVCE. (M JIANG) | Borehole TVD: 14857 |
| API Well Number: 177114126602 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 94 |
| Paleo Report Num: 2 of 2 | Sample Range: 13990 - 16460 | Water Depth: 60 |
| Public Info Code: Y 05-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 13990 / 13375 | DEF AT first sample examined | DEF AT |
| 13991 / 13375 | DEF IN Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 14140 / 13472 | DEF AT local marker floral decrease | DEF AT |
| 14380 / 13629 | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 14670 / 13812 | POS AT local marker floral increase | DEF AT |
| 14730 / 13849 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |
| 14740 / 13855 | DEF AT Upper Miocene (Tortonian) Discoaster calcaris | DEF AT |
| 14910 / 13956 | DEF AT local marker floral decrease | DEF AT |
| 15720 / 14432 | POS AT local marker floral increase | DEF AT |
| 16060 / 14625 | DEF AT local marker floral decrease | DEF AT |
| 16460 / 14857 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 145 | Date of Summary: 22-AUG-1985 | First Sample Examined: 0 |
| Lease Number: G01014 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6600 |
| Well Name: D001 | Paleo Done By: OPERATOR | Borehole TVD: 6600 |
| API Well Number: 177114075200 | Drilling Operator: CONOCO INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 19-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5950 / | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 145 | Date of Summary: 23-AUG-1985 | First Sample Examined: 0 |
| Lease Number: G01014 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8434 |
| Well Name: D002 | Paleo Done By: OPERATOR | Borehole TVD: 6580 |
| API Well Number: 177114075700 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 44 |
| Public Info Code: Y 18-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5350 / 4409 | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 145 | Date of Summary: 22-AUG-1985 | First Sample Examined: 0 |
| Lease Number: G01014 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6679 |
| Well Name: D003 | Paleo Done By: OPERATOR | Borehole TVD: 6500 |
| API Well Number: 177114082700 | Drilling Operator: CONOCO INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 44 |
| Public Info Code: Y 07-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5350 / 5183 | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 146 | Date of Summary: 01-SEP-1978 | First Sample Examined: 5008 |
| Lease Number: G03582 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 10500 |
| Well Name: 001 | Paleo Done By: JOHN CARSTENS | Borehole TVD: 10500 |
| API Well Number: 177114038700 | Drilling Operator: GENERAL CRUDE OIL COMPANY | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 5008 - 10470 | Water Depth: 42 |
| Public Info Code: Y 07-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5008 / 5008 | DEF AT first sample examined | DEF IN 2 |
| 5009 / 5009 | POS IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 2 |
| 5490 / 5490 | DEF AT Upper Pliocene (Gelasian) Bolivina imperata / "P" | DEF AT 3 |
| 5910 / 5910 | DEF AT local marker foram decrease | DEF AT 3 |
| 8740 / 8740 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 9670 / 9670 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 10470 / 10469 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 160 | Date of Summary: 05-NOV-1985 | First Sample Examined: 1027 |
| Lease Number: G05547 | Source of Paleo: OPERATOR | Borehole MD: 17843 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17827 |
| API Well Number: 177114080100 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 1027 - 17840 | Water Depth: 50 |
| Public Info Code: Y 27-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1027 / 1027 | DEF AT first sample examined | DEF AT 1 |
| 1340 / 1340 | DEF AT ----- | DEF AT 2 |
| 1780 / 1780 | DEF AT ----- | DEF IN 1 |
| 2207 / 2207 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 1 |
| 2900 / 2900 | DEF AT ----- | DEF AT 2 |
| 3966 / 3966 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 5581 / 5581 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 2 |
| 5950 / 5950 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 7100 / 7100 | DEF AT ----- | DEF AT 2 |
| 8250 / 8250 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 2 |
| 8400 / 8400 | DEF AT ----- | DEF IN 1 |
| 9540 / 9540 | DEF AT ----- | DEF IN 2 |
| 9601 / 9601 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF IN 2 |
| 9770 / 9770 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 2 |
| 9830 / 9830 | DEF AT ----- | DEF IN 1 |
| 10910 / 10910 | DEF AT ----- | DEF AT 2 |
| 11420 / 11420 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 2 |
| 11960 / 11960 | DEF AT ----- | DEF IN 2 |
| 12350 / 12350 | DEF AT ----- | DEF AT 2 |
| 12950 / 12949 | DEF AT Cyclammina sp. (local marker) | DEF IN 2 |
| 13750 / 13749 | DEF AT Arenaceous fauna (local marker) | DEF IN 2 |
| 13770 / 13769 | DEF AT ----- | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 160 | Date of Summary: 05-NOV-1985 | First Sample Examined: 1027 |
| Lease Number: G05547 | Source of Paleo: OPERATOR | Borehole MD: 17843 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17827 |
| API Well Number: 177114080100 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 1027 - 17840 | Water Depth: 50 |
| Public Info Code: Y 27-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14130 / 14129 | DEF AT - - - - - | POS AT 3 |
| 15300 / 15298 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 16710 / 16702 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 17250 / 17237 | DEF AT - - - - - | DEF AT 5 |
| 17840 / 17824 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 170 | Date of Summary: 24-APR-1985 | First Sample Examined: 0 |
| Lease Number: G03584 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11884 |
| Well Name: A009 | Paleo Done By: OPERATOR | Borehole TVD: 11049 |
| API Well Number: 177114083400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 139 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 58 |
| Public Info Code: Y 01-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6916 / 6494 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7816 / 7331 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 8325 / 7803 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 9464 / 8851 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 11676 / 10866 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 170 | Date of Summary: 12-APR-1985 | First Sample Examined: 0 |
| Lease Number: G03584 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12647 |
| Well Name: A010 | Paleo Done By: OPERATOR | Borehole TVD: 10442 |
| API Well Number: 177114083900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 139 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 58 |
| Public Info Code: Y 18-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7546 / 6723 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 8635 / 7530 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 10092 / 8536 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12050 / 9986 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 170 | Date of Summary: 21-AUG-1985 | First Sample Examined: 0 |
| Lease Number: G03584 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13867 |
| Well Name: A011 | Paleo Done By: OPERATOR | Borehole TVD: 10336 |
| API Well Number: 177114084400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 143 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 54 |
| Public Info Code: Y 29-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 8422 / 6611 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9752 / 7562 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 10666 / 8208 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12414 / 9361 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 170 | Date of Summary: 09-OCT-1985 | First Sample Examined: 0 |
| Lease Number: G03584 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13772 |
| Well Name: A012 | Paleo Done By: OPERATOR | Borehole TVD: 10578 |
| API Well Number: 177114086200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 143 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 54 |
| Public Info Code: Y 08-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7404 / 6505 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 8983 / 7549 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 10443 / 8494 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12828 / 9908 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 176 | Date of Summary: 13-DEC-1990 | First Sample Examined: 0 |
| Lease Number: 00589 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7845 |
| Well Name: 007 | Paleo Done By: OPERATOR | Borehole TVD: 6996 |
| API Well Number: 177114099800 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 100 |
| Public Info Code: Y 07-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6895 / 6285 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 176 | Date of Summary: 08-JAN-1995 | First Sample Examined: 0 |
| Lease Number: 00589 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13812 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 12685 |
| API Well Number: 177114106900 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 87 |
| Public Info Code: Y 07-APR-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11865 / 11538 | DEF IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 178 | Date of Summary: 07-JAN-1986 | First Sample Examined: 0 |
| Lease Number: G05551 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13301 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 12030 |
| API Well Number: 177114076800 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 87 |
| Public Info Code: Y 12-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 5290 / 5290 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5680 / 5680 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 6500 / 6500 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9050 / 8694 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 10550 / 9864 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 11960 / 10991 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SS 178 | Date of Summary: 16-JUL-1986 | First Sample Examined: 2970 |
| Lease Number: G05551 | Source of Paleo: OPERATOR | Borehole MD: 13125 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 11344 |
| API Well Number: 177114080800 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 2 | Sample Range: 2970 - 13110 | Water Depth: 87 |
| Public Info Code: Y 06-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 2970 / 2970 | DEF AT first sample examined | DEF AT |
| 3370 / 3370 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5260 / 5259 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6770 / 6639 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7160 / 6952 | DEF AT local marker foram increase | DEF AT |
| 7460 / 7185 | DEF AT sample gap top | DEF AT |
| 7690 / 7353 | DEF AT sample gap bottom | DEF AT |
| 9790 / 8859 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 10120 / 9103 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 11050 / 9783 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 12510 / 10887 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 13110 / 11333 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 180 | Date of Summary: 07-JUL-1993 | First Sample Examined: 0 |
| Lease Number: G12946 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7254 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7254 |
| API Well Number: 177114108100 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 72 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6000 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 181 | Date of Summary: 26-JAN-1988 | First Sample Examined: 0 |
| Lease Number: G04231 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12839 |
| Well Name: D001 | Paleo Done By: OPERATOR | Borehole TVD: 11042 |
| API Well Number: 177114092100 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 65 |
| Public Info Code: Y 11-DEC-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10684 / 9243 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 181 | Date of Summary: 01-FEB-1988 | First Sample Examined: 0 |
| Lease Number: G04231 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15952 |
| Well Name: D002 | Paleo Done By: OPERATOR | Borehole TVD: 12076 |
| API Well Number: 177114091301 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 65 |
| Public Info Code: Y 01-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7981 / 7071 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9740 / 8195 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 11523 / 9355 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 14011 / 10921 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 185 | Date of Summary: 25-SEP-1998 | First Sample Examined: 0 |
| Lease Number: G14501 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17105 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17098 |
| API Well Number: 177114127300 | Drilling Operator: NEWFIELD EXPLORATION COMPANY | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 59 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 17046 / 17039 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SS 190 | Date of Summary: 10-NOV-1989 | First Sample Examined: 8010 |
| Lease Number: G10775 | Source of Paleo: OPERATOR | Borehole MD: 15924 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15919 |
| API Well Number: 177114099400 | Drilling Operator: HARBERT ENERGY CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 8010 - 15900 | Water Depth: 76 |
| Public Info Code: Y 07-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8010 / 8010 | DEF AT first sample examined | DEF AT 4 |
| 8011 / 8011 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 8100 / 8100 | DEF AT - - - - - | DEF AT 3 |
| 9240 / 9240 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 10050 / 10050 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 11640 / 11640 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 12690 / 12690 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 12870 / 12870 | DEF AT - - - - - | DEF AT 4 |
| 15900 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 191 | Date of Summary: 14-OCT-1985 | First Sample Examined: 3500 |
| Lease Number: G05555 | Source of Paleo: OPERATOR | Borehole MD: 16000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16000 |
| API Well Number: 177114086400 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 3500 - 16000 | Water Depth: 70 |
| Public Info Code: Y 12-NOV-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 3500 / 3499 | DEF AT first sample examined | DEF AT 3 |
| 3501 / 3500 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6110 / 6109 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6500 / 6499 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 6560 / 6559 | DEF AT - - - - - | DEF AT 4 |
| 7370 / 7369 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 8330 / 8329 | POS AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 4 |
| 10190 / 10189 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 12740 / | POS AT Arenaceous fauna (local marker) | DEF AT 4 |
| 13310 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |
| 15140 / | DEF AT - - - - - | DEF AT 5 |
| 15800 / | DEF AT - - - - - | DEF AT 6 |
| 16000 / | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 191 | Date of Summary: 05-MAY-1989 | First Sample Examined: 0 |
| Lease Number: G05555 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14600 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 14600 |
| API Well Number: 177114097400 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 74 |
| Public Info Code: Y 03-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 6340 / | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 6400 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 6730 / | DEF AT - - - - | DEF AT 4 |
| 7240 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10180 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 13030 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 191 | Date of Summary: 13-JUL-1990 | First Sample Examined: 0 |
| Lease Number: G05555 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14020 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 14020 |
| API Well Number: 177114097500 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 70 |
| Public Info Code: Y 21-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 6350 / | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 6560 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 6590 / | DEF AT - - - - | DEF AT 4 |
| 7850 / | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 11450 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 12350 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: SS 198 | Date of Summary: 09-DEC-1988 | First Sample Examined: 4530 |
| Lease Number: 00593 | Source of Paleo: OPERATOR | Borehole MD: 13433 |
| Well Name: 005 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13433 |
| API Well Number: 177114096600 | Drilling Operator: CONOCO INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 4530 - 13380 | Water Depth: 105 |
| Public Info Code: Y 11-DEC-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 4530 / | DEF AT first sample examined | DEF AT 1 |
| 4531 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 1 |
| 5310 / | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 1 |
| 6000 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 1 |
| 6780 / | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 2 |
| 6930 / | DEF AT - - - - - | DEF AT 1 |
| 8880 / | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 1 |
| 9750 / | DEF AT - - - - - | DEF AT 2 |
| 9810 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 2 |
| 10140 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 10500 / | DEF AT - - - - - | DEF AT 1 |
| 10830 / | DEF AT - - - - - | DEF AT 2 |
| 10860 / | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 2 |
| 11010 / | DEF AT - - - - - | DEF AT 1 |
| 11550 / | DEF AT Cyclamina sp. (local marker) | DEF AT 1 |
| 12420 / | DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 1 |
| 13320 / | DEF AT Eggerella 3 (local marker) | DEF AT 2 |
| 13380 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 198 | Date of Summary: 22-MAY-1984 | First Sample Examined: 0 |
| Lease Number: G12355 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11339 |
| Well Name: J001 | Paleo Done By: OPERATOR | Borehole TVD: 9733 |
| API Well Number: 177114077300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 100 |
| Public Info Code: Y 24-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 4200 / 4197 | POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 5277 / 5207 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6845 / 6393 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7624 / 6940 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 8231 / 7392 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 198 | Date of Summary: 21-JAN-1985 | First Sample Examined: 0 |
| Lease Number: G12355 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11200 |
| Well Name: J002 | Paleo Done By: OPERATOR | Borehole TVD: 9595 |
| API Well Number: 177114072500 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 100 |
| Public Info Code: Y 15-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 4320 / 4319 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 5435 / 5389 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7122 / 6666 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8636 / 7721 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 9504 / 8365 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 198 | Date of Summary: 23-JUN-1994 | First Sample Examined: 0 |
| Lease Number: G12355 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14100 |
| Well Name: J003 | Paleo Done By: OPERATOR | Borehole TVD: 11801 |
| API Well Number: 177114078400 | Drilling Operator: PENNZENERGY COMPANY | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 100 |
| Public Info Code: Y 08-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5250 / 5239 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6290 / 6165 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6950 / 6642 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9930 / 8843 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10990 / 9676 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 11940 / 10403 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 198 | Date of Summary: 03-MAY-1984 | First Sample Examined: 0 |
| Lease Number: G12355 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9790 |
| Well Name: J004 | Paleo Done By: OPERATOR | Borehole TVD: 9316 |
| API Well Number: 177114077200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 100 |
| Public Info Code: Y 04-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 4330 / 4316 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 5500 / 5364 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6900 / 6661 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8100 / 7779 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 8820 / 8430 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: SS 204 | Date of Summary: 20-FEB-1986 | First Sample Examined: 10000 |
| Lease Number: G01520 | Source of Paleo: OPERATOR | Borehole MD: 14191 |
| Well Name: A028 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12623 |
| API Well Number: 177110071002 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 10000 - 14140 | Water Depth: 105 |
| Public Info Code: Y 28-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Sidetrack 5 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 10000 / 9380 | DEF AT first sample examined | DEF AT 3 |
| 10290 / 9605 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 11940 / 10844 | DEF AT sample gap top | POS AT 4 |
| 12750 / 11476 | DEF AT sample gap bottom | DEF AT 4 |
| 13080 / 11753 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 14140 / 12586 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SS 205 | Date of Summary: 11-FEB-1971 | First Sample Examined: 8000 |
| Lease Number: G01521 | Source of Paleo: OPERATOR | Borehole MD: 10438 |
| Well Name: 004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10438 |
| API Well Number: 177114000800 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 8000 - 10438 | Water Depth: 107 |
| Public Info Code: Y 10-OCT-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 8000 / | DEF AT first sample examined | DEF AT |
| 8270 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 9870 / | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 10280 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 10438 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: SS 205 | Date of Summary: 29-JUL-1971 | First Sample Examined: 8400 |
| Lease Number: G01521 | Source of Paleo: OPERATOR | Borehole MD: 9947 |
| Well Name: 005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9422 |
| API Well Number: 177114005600 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 8400 - 9947 | Water Depth: 107 |
| Public Info Code: Y 10-OCT-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8400 / 8014 | DEF AT first sample examined | DEF IN 3 |
| 9210 / 8823 | DEF AT Cyclammina cancellata (local marker) | DEF AT 3 |
| 9810 / 9422 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 9947 / 9559 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: SS 207 | Date of Summary: 10-APR-1984 | First Sample Examined: 10000 |
| Lease Number: G01523 | Source of Paleo: OPERATOR | Borehole MD: 11786 |
| Well Name: A022 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11464 |
| API Well Number: 177114011301 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 10000 - 11481 | Water Depth: 150 |
| Public Info Code: Y 07-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10000 / 9874 | DEF AT first sample examined | DEF AT 4 |
| 10001 / 9875 | DEF IN Cyclammina cancellata (local marker) | DEF IN 4 |
| 11452 / 11178 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 11481 / 11204 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 237 | Date of Summary: 21-JUN-1991 | First Sample Examined: 0 |
| Lease Number: G11989 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12010 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11500 |
| API Well Number: 177124044500 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 136 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 5520 / 5489 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 6690 / 6566 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8760 / 8499 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9420 / 9125 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: SS 248 | Date of Summary: 08-FEB-1977 | First Sample Examined: 0 |
| Lease Number: G03571 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8500 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 7999 |
| API Well Number: 177124014400 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 180 |
| Public Info Code: Y 03-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6060 / 6055 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7170 / 7089 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|----------------------------------|-----------------------------|
| Area Block: SS 250 | Date of Summary: 30-SEP-1994 | First Sample Examined: 4600 |
| Lease Number: G10781 | Source of Paleo: OPERATOR | Borehole MD: 17750 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17736 |
| API Well Number: 177124051400 | Drilling Operator: JAPEX US CORP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 4600 - 17750 | Water Depth: 190 |
| Public Info Code: Y 05-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4600 / 4600 | DEF AT first sample examined | DEF AT 2 |
| 4601 / 4601 | DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 2 |
| 5410 / 5410 | DEF AT - - - - | DEF AT 3 |
| 5530 / 5530 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5740 / 5740 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 3 |
| 7840 / 7840 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 3 |
| 9010 / 9010 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT 3 |
| 12129 / 12123 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 12130 / 12124 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 12190 / 12184 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 3 |
| 12339 / 12333 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | POS AT 4 |
| 12340 / 12334 | DEF AT salt | POS AT 4 |
| 13250 / 13243 | DEF AT base of salt | POS AT 4 |
| 13288 / 13281 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF IN 4 |
| 13360 / 13352 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 14110 / 14102 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT 6 |
| 14380 / 14371 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 6 |
| 15970 / 15960 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 6 |
| 17410 / 17396 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT 6 |
| 17439 / 17425 | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 6 |
| 17440 / 17426 | POS AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT 6 |
| 17750 / 17736 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 251 | Date of Summary: 04-APR-1996 | First Sample Examined: 0 |
| Lease Number: G10782 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16355 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 16293 |
| API Well Number: 177124155000 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 165 |
| Public Info Code: Y 02-MAR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6010 / 6010 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8200 / 8200 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 8630 / 8630 | DEF AT Upper Pliocene (Piacenzian) Textularia 1 | DEF AT |
| 10870 / 10867 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT |
| 11380 / 11374 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT |
| 11800 / 11789 | DEF AT local marker benthic foram increase | DEF AT |
| 12460 / 12437 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT |
| 16090 / 16028 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 251 | Date of Summary: 15-OCT-1996 | First Sample Examined: 0 |
| Lease Number: G10782 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10980 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10950 |
| API Well Number: 177124050800 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 185 |
| Public Info Code: Y 02-MAR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6640 / 6612 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9040 / 9012 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 9280 / 9251 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10960 / 10929 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 257 | Date of Summary: 13-DEC-1992 | First Sample Examined: 0 |
| Lease Number: G12952 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15135 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12881 |
| API Well Number: 177124047100 | Drilling Operator: DAVIS OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 150 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11730 / 10553 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 263 | Date of Summary: 04-JUN-1996 | First Sample Examined: 0 |
| Lease Number: G10784 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 1734 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 1734 |
| API Well Number: 177124055400 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 178 |
| Public Info Code: Y 14-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1550 / 1550 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 263 | Date of Summary: 04-JUN-1996 | First Sample Examined: 0 |
| Lease Number: G10784 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 1830 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 1830 |
| API Well Number: 177124055500 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 178 |
| Public Info Code: Y 14-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1830 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: SS 275 | Date of Summary: 10-AUG-1995 | First Sample Examined: 0 |
| Lease Number: G14507 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12760 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8877 |
| API Well Number: 177124053900 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 220 |
| Public Info Code: Y 31-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6011 / 5264 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9030 / 6860 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 9660 / 7183 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 277 | Date of Summary: 23-OCT-1997 | First Sample Examined: 0 |
| Lease Number: G09627 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7875 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 6353 |
| API Well Number: 177124036800 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 123 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 219 |
| Public Info Code: Y 24-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 1950 / 1683 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 2610 / 2033 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 4590 / 3276 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6900 / 5386 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 6960 / 5446 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SS 278 | Date of Summary: 17-NOV-1989 | First Sample Examined: 4560 |
| Lease Number: G10786 | Source of Paleo: OPERATOR | Borehole MD: 7500 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7500 |
| API Well Number: 177124040500 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 4560 - 7500 | Water Depth: 204 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4560 / | DEF AT first sample examined | DEF AT 1 |
| 4770 / | DEF AT ----- | DEF AT 2 |
| 5040 / | DEF AT ----- | DEF AT 1 |
| 5730 / | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 2 |
| 6030 / | DEF AT ----- | DEF AT 1 |
| 6120 / | DEF AT ----- | DEF AT 2 |
| 6210 / | DEF AT ----- | DEF AT 1 |
| 6660 / | DEF AT ----- | DEF AT 2 |
| 6720 / | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 7380 / | DEF AT ----- | DEF AT 3 |
| 7470 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SS 280 | Date of Summary: 02-SEP-1993 | First Sample Examined: 1200 |
| Lease Number: G10788 | Source of Paleo: OPERATOR | Borehole MD: 11589 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11386 |
| API Well Number: 177124048800 | Drilling Operator: EP OPERATING LIMITED PARTNER | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 1200 - 11040 | Water Depth: 195 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 1200 / 1200 | DEF AT first sample examined | DEF AT 2 |
| 1620 / 1620 | DEF AT - - - - - | DEF AT 3 |
| 1650 / 1649 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 3180 / 3084 | DEF AT - - - - - | DEF AT 3 |
| 4350 / 4162 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4860 / 4662 | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 6510 / 6309 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 8310 / 8109 | POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 8400 / 8199 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 9390 / 9189 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 9540 / 9339 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10740 / 10539 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 5 |
| 11040 / 10838 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 288 | Date of Summary: 16-JUN-1993 | First Sample Examined: 0 |
| Lease Number: G11999 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13855 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13109 |
| API Well Number: 177124046300 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 226 |
| Public Info Code: Y 25-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 5000 / 5000 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5240 / 5240 | DEF AT local marker foram increase | DEF AT |
| 5600 / 5600 | DEF AT local marker foram increase | DEF AT |
| 5690 / 5690 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 7160 / 7160 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9020 / 8962 | DEF AT local marker foram increase | DEF AT |
| 9590 / 9446 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 9770 / 9598 | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT |
| 9890 / 9700 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT |
| 10070 / 9852 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 13340 / 12655 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 296 | Date of Summary: 29-NOV-1990 | First Sample Examined: 0 |
| Lease Number: G10793 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6000 |
| API Well Number: 177124043700 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 263 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3130 / 3130 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5260 / | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 299 | Date of Summary: 22-APR-1991 | First Sample Examined: 0 |
| Lease Number: G07759 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7651 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7252 |
| API Well Number: 177124037300 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 261 |
| Public Info Code: Y 19-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, in=sand

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 1898 / 1898 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 2500 / 2500 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 2561 / 2561 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3370 / 3366 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 4990 / 4857 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 5030 / 4894 | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 5278 / 5118 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 299 | Date of Summary: 20-APR-1998 | First Sample Examined: 0 |
| Lease Number: G07759 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5478 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 5100 |
| API Well Number: 177124037800 | Drilling Operator: DEVON SFS OPERATING INC | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 256 |
| Public Info Code: Y 17-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2230 / 2203 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4210 / 3974 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 4360 / 4108 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SS 300 | Date of Summary: 28-AUG-1989 | First Sample Examined: 3020 |
| Lease Number: G07760 | Source of Paleo: OPERATOR | Borehole MD: 8020 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6891 |
| API Well Number: 177124037400 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 3020 - 8020 | Water Depth: 266 |
| Public Info Code: Y 18-SEP-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3020 / 2916 | DEF AT first sample examined | DEF AT 3 |
| 3620 / 3405 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 5150 / 4672 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 5660 / 5089 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 4 |
| 5930 / 5309 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 6350 / 5661 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 6680 / 5936 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8020 / 6946 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: SS 311 | Date of Summary: 18-AUG-1993 | First Sample Examined: 4850 |
| Lease Number: G10797 | Source of Paleo: OPERATOR | Borehole MD: 16000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15997 |
| API Well Number: 177124048500 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 2 | Sample Range: 4850 - 16000 | Water Depth: 280 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4850 / 4850 | DEF AT first sample examined | DEF AT 4 |
| 4851 / 4851 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 6770 / 6770 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 5 |
| 6830 / 6830 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 6890 / 6890 | DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis | DEF AT 5 |
| 7220 / 7220 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 7880 / 7880 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 8180 / 8180 | POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 9200 / 9200 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 9590 / 9589 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 9619 / 9618 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 5 |
| 9620 / 9619 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10220 / 10219 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 5 |
| 12550 / 12548 | DEF AT Arenaceous fauna (local marker) | DEF AT 5 |
| 12970 / 12968 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 5 |
| 13030 / 13028 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 5 |
| 13180 / 13178 | POS IN Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 13990 / 13987 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 14080 / 14077 | DEF AT faunal change (no faunal increase) | DEF AT 6 |
| 14530 / 14527 | DEF AT Cyclammina cancellata (local marker) | DEF AT 6 |
| 15490 / 15487 | DEF AT local marker planktic foram increase | DEF AT 6 |
| 16000 / 15997 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: SS 311 | Date of Summary: 18-AUG-1993 | First Sample Examined: 4850 |
| Lease Number: G10797 | Source of Paleo: OPERATOR | Borehole MD: 16000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15997 |
| API Well Number: 177124048500 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 97 |
| Paleo Report Num: 2 of 2 | Sample Range: 4850 - 16000 | Water Depth: 280 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4850 / 4850 | DEF AT first sample examined | DEF AT |
| 6740 / 6740 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 6890 / 6890 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 7100 / 7100 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7880 / 7880 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 8210 / 8210 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 9380 / 9379 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 9589 / 9588 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 9590 / 9589 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 9620 / 9619 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 10100 / 10099 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 10280 / 10279 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 13990 / 13987 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 15370 / 15367 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 16000 / 15997 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994
 End Date: 31-DEC-1999

| | | |
|--|---|---------------------------------|
| Area Block: SS 329 | Date of Summary: 09-JUN-1993 | First Sample Examined: 0 |
| Lease Number: G10804 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14784 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14500 |
| API Well Number: 177124047800 | Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 358 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 2060 / 2060 | DEF AT ----- | DEF AT 2 |
| 2990 / 2990 | DEF AT ----- | DEF AT 3 |
| 3350 / 3350 | DEF AT ----- | DEF AT 4 |
| 4190 / 4190 | DEF AT ----- | DEF AT 3 |
| 4550 / 4550 | DEF AT ----- | DEF AT 2 |
| 4850 / 4850 | DEF AT ----- | DEF AT 4 |
| 7850 / 7849 | DEF AT ----- | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 331 | Date of Summary: 10-SEP-1999 | First Sample Examined: 0 |
| Lease Number: G13631 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12678 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 12165 |
| API Well Number: 177124049800 | Drilling Operator: POGO PRODUCING COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 366 |
| Public Info Code: Y 19-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 10060 / 9624 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 11230 / 10763 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 11320 / 10851 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |
| 11770 / 11290 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 331 | Date of Summary: 06-JUN-1994 | First Sample Examined: 4500 |
| Lease Number: G13631 | Source of Paleo: OPERATOR | Borehole MD: 13092 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12087 |
| API Well Number: 177124051000 | Drilling Operator: TATHAM OFFSHORE INC | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 2 | Sample Range: 4500 - 13080 | Water Depth: 366 |
| Public Info Code: Y 19-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4500 / 4496 | DEF AT first sample examined | DEF AT 4 |
| 5580 / 5576 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 9660 / 9217 | DEF AT - - - - - | DEF AT 5 |
| 9990 / 9493 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 11940 / 11119 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 12180 / 11320 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 12210 / 11345 | DEF AT - - - - - | DEF AT 6 |
| 12330 / 11446 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 12360 / 11472 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 13080 / 12077 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 331 | Date of Summary: 06-JUN-1994 | First Sample Examined: 4500 |
| Lease Number: G13631 | Source of Paleo: OPERATOR | Borehole MD: 13092 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12087 |
| API Well Number: 177124051000 | Drilling Operator: TATHAM OFFSHORE INC | Rkb Elevation: 107 |
| Paleo Report Num: 2 of 2 | Sample Range: 4500 - 13080 | Water Depth: 366 |
| Public Info Code: Y 19-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4500 / 4496 | DEF AT first sample examined | DEF AT |
| 5130 / 5126 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 8670 / 8391 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 9660 / 9217 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 9720 / 9267 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 9960 / 9468 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 11040 / 10370 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 11130 / 10445 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 11937 / 11116 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 11938 / 11117 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 11939 / 11118 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 11940 / 11119 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 11999 / 11168 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 12000 / 11169 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 12300 / 11421 | POS AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 13080 / 12077 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 331 | Date of Summary: 25-OCT-1994 | First Sample Examined: 4650 |
| Lease Number: G13631 | Source of Paleo: OPERATOR | Borehole MD: 13068 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12373 |
| API Well Number: 177124052400 | Drilling Operator: TATHAM OFFSHORE INC | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 2 | Sample Range: 4650 - 13066 | Water Depth: 366 |
| Public Info Code: Y 19-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 4650 / 4541 | DEF AT first sample examined | DEF AT 4 |
| 5610 / 5479 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 9810 / 9249 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 4 |
| 9840 / 9278 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 9870 / 9306 | DEF AT - - - - - | DEF AT 5 |
| 10050 / 9476 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 11340 / 10706 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 11370 / 10735 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 11940 / 11285 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 12120 / 11458 | DEF AT - - - - - | DEF AT 6 |
| 12150 / 11487 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 12480 / 11805 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 13066 / 12372 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 331 | Date of Summary: 25-OCT-1994 | First Sample Examined: 4650 |
| Lease Number: G13631 | Source of Paleo: OPERATOR | Borehole MD: 13068 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12373 |
| API Well Number: 177124052400 | Drilling Operator: TATHAM OFFSHORE INC | Rkb Elevation: 107 |
| Paleo Report Num: 2 of 2 | Sample Range: 4650 - 13066 | Water Depth: 366 |
| Public Info Code: Y 19-AUG-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 4650 / 4541 | DEF AT first sample examined | DEF AT |
| 5100 / 4988 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 8610 / 8116 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 9810 / 9249 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 10050 / 9476 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 10860 / 10244 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 11100 / 10475 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 11220 / 10590 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 11337 / 10703 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 11338 / 10704 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 11339 / 10705 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 11340 / 10706 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 12060 / 11400 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 12450 / 11776 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 13066 / 12372 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 351 | Date of Summary: 21-JUN-1996 | First Sample Examined: 0 |
| Lease Number: G12959 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8000 |
| API Well Number: 177124055700 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 366 |
| Public Info Code: Y 20-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4080 / 4080 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4920 / 4920 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 7980 / 7980 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SS 357 | Date of Summary: 14-FEB-1997 | First Sample Examined: 1600 |
| Lease Number: G12960 | Source of Paleo: OPERATOR | Borehole MD: 20610 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 20610 |
| API Well Number: 177124056800 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 2 | Sample Range: 1600 - 20611 | Water Depth: 420 |
| Public Info Code: Y 20-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 1600 / 1600 | DEF AT first sample examined | DEF AT 3 |
| 2350 / 2350 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 3040 / 3040 | DEF AT - - - - - | DEF AT 5 |
| 3070 / 3070 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 3100 / 3100 | DEF AT - - - - - | DEF AT 4 |
| 5350 / 5350 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 6460 / 6460 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 7450 / 7450 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 8980 / 8980 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 9310 / 9310 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 9970 / 9970 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 10840 / 10840 | DEF AT anhydrite | DEF AT 5 |
| 11200 / 11199 | DEF AT salt | DEF AT 5 |
| 16230 / 16224 | DEF AT base of salt | DEF AT 5 |
| 16920 / 16913 | DEF AT salt | DEF AT 5 |
| 17190 / 17183 | DEF AT base of salt | DEF AT 5 |
| 17490 / 17483 | POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 5 |
| 17640 / 17633 | DEF AT - - - - - | DEF AT 6 |
| 17850 / 17843 | DEF AT - - - - - | DEF AT 5 |
| 19620 / | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 20611 / | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: SS 357 | Date of Summary: 14-FEB-1997 | First Sample Examined: 1600 |
| Lease Number: G12960 | Source of Paleo: OPERATOR | Borehole MD: 20610 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 20610 |
| API Well Number: 177124056800 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 2 of 2 | Sample Range: 1600 - 20611 | Water Depth: 420 |
| Public Info Code: Y 20-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 1600 / 1600 | DEF AT first sample examined | DEF AT |
| 2980 / 2980 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 5920 / 5920 | POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 6460 / 6460 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 6910 / 6910 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7510 / 7510 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7750 / 7750 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 9190 / 9190 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 9310 / 9310 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 9340 / 9340 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 9610 / 9610 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 9940 / 9940 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |
| 11050 / 11050 | DEF AT salt | DEF AT |
| 16230 / 16224 | DEF AT base of salt | DEF AT |
| 17760 / 17753 | DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 17880 / 17873 | DEF AT Upper Miocene (Tortonian) Discoaster calcaris | DEF AT |
| 18540 / 18532 | POS AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 19350 / 19311 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 20611 / | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: SS 358 | Date of Summary: 06-SEP-1995 | First Sample Examined: 0 |
| Lease Number: G12009 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13883 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11129 |
| API Well Number: 177124050000 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 385 |
| Public Info Code: Y 31-JAN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4830 / 4830 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5580 / 5569 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 9570 / 8705 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 9870 / 8942 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10770 / 9660 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: SS 360 | Date of Summary: 07-FEB-1992 | First Sample Examined: 1470 |
| Lease Number: G10810 | Source of Paleo: OPERATOR | Borehole MD: 11000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11000 |
| API Well Number: 177124045000 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 1470 - 11013 | Water Depth: 397 |
| Public Info Code: Y 06-NOV-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1470 / 1470 | DEF AT first sample examined | POS AT 3 |
| 1471 / 1471 | DEF AT cement | POS AT 3 |
| 1620 / 1620 | DEF AT - - - - - | DEF AT 3 |
| 2520 / 2520 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 2730 / 2730 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 4 |
| 3180 / 3180 | DEF AT cement | POS AT 4 |
| 3240 / 3240 | DEF AT - - - - - | DEF AT 4 |
| 4430 / 4430 | DEF AT - - - - - | DEF AT 3 |
| 4760 / 4760 | DEF AT - - - - - | DEF AT 4 |
| 6110 / 6110 | DEF AT - - - - - | DEF AT 5 |
| 6350 / 6350 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 6440 / 6440 | DEF AT - - - - - | DEF AT 4 |
| 6770 / 6770 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 4 |
| 6860 / 6860 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 5 |
| 7742 / 7742 | DEF AT cement | POS AT 5 |
| 8000 / 8000 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 5 |
| 8600 / 8599 | DEF AT - - - - - | DEF AT 4 |
| 10099 / 10097 | DEF IN Upper Pliocene (Gelasian) Discoaster surculus | DEF AT 5 |
| 10100 / 10098 | DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 5 |
| 10460 / 10458 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 10850 / 10848 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 11013 / 11011 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: SS 360 | Date of Summary: 20-SEP-1994 | First Sample Examined: 0 |
| Lease Number: G10810 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 19000 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 18992 |
| API Well Number: 177124051200 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 393 |
| Public Info Code: Y 06-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6490 / 6490 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 6670 / 6670 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7510 / 7509 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 7570 / 7569 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 7690 / 7689 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 7990 / 7989 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 10990 / 10988 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 12640 / 12637 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 13540 / 13537 | DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 14020 / 14017 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 16330 / 16327 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 18170 / 18165 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 18990 / 18982 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SS 368 | Date of Summary: 19-JAN-1995 | First Sample Examined: 0 |
| Lease Number: G10814 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16400 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15801 |
| API Well Number: 177124051802 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 457 |
| Public Info Code: Y 18-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 4160 / 4160 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5750 / 5750 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 8810 / 8810 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8840 / 8840 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 11960 / 11924 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 22 | Date of Summary: 19-NOV-1984 | First Sample Examined: 0 |
| Lease Number: 00165 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11650 |
| Well Name: F001 | Paleo Done By: OPERATOR | Borehole TVD: 11650 |
| API Well Number: 177154056300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 49 |
| Public Info Code: Y 27-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 9730 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 10375 / | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10910 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 11270 / | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 27 | Date of Summary: 07-MAY-1986 | First Sample Examined: 0 |
| Lease Number: 00165 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10694 |
| Well Name: E003 | Paleo Done By: OPERATOR | Borehole TVD: 10138 |
| API Well Number: 177154064101 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 145 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 54 |
| Public Info Code: Y 09-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 8300 / 7943 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 8650 / 8258 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 9340 / 8883 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 10180 / 9660 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10500 / 9958 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 28 | Date of Summary: 11-AUG-1993 | First Sample Examined: 0 |
| Lease Number: G09636 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13610 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13610 |
| API Well Number: 177154081900 | Drilling Operator: CHALLENGER MINERALS INC | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 57 |
| Public Info Code: Y 04-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6400 / 6399 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 9240 / 9239 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 10950 / 10948 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 12930 / 12927 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 32 | Date of Summary: 25-NOV-1998 | First Sample Examined: 0 |
| Lease Number: G13929 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10361 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 10361 |
| API Well Number: 177154095700 | Drilling Operator: BOIS D'ARC OPERATING CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 47 |
| Public Info Code: Y 24-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9845 / 9843 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 38 | Date of Summary: 11-DEC-1989 | First Sample Examined: 4500 |
| Lease Number: G09637 | Source of Paleo: OPERATOR | Borehole MD: 10500 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10492 |
| API Well Number: 177154073100 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 10530 | Water Depth: 56 |
| Public Info Code: Y 12-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 4500 / | DEF AT first sample examined | DEF IN 3 |
| 4980 / | DEF AT - - - - - | DEF AT 2 |
| 5700 / | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 9240 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 9600 / | DEF AT - - - - - | DEF AT 4 |
| 9720 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 10530 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 38 | Date of Summary: 11-DEC-1989 | First Sample Examined: 9120 |
| Lease Number: G09637 | Source of Paleo: OPERATOR | Borehole MD: 12183 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11452 |
| API Well Number: 177154073101 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 9120 - 12183 | Water Depth: 56 |
| Public Info Code: Y 29-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9120 / 9116 | DEF AT first sample examined | DEF AT 2 |
| 9720 / 9697 | DEF AT - - - - - | DEF AT 3 |
| 9810 / 9778 | DEF AT - - - - - | DEF AT 4 |
| 9900 / 9857 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 10920 / 10596 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 12183 / 11483 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 53 | Date of Summary: 03-SEP-1987 | First Sample Examined: 0 |
| Lease Number: G04000 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12576 |
| Well Name: C001 | Paleo Done By: OPERATOR | Borehole TVD: 11583 |
| API Well Number: 177154067200 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 66 |
| Public Info Code: Y 14-SEP-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4789 / 4737 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 9302 / 8349 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: ST 76 | Date of Summary: 21-NOV-1986 | First Sample Examined: 0 |
| Lease Number: G04460 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 20858 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 20858 |
| API Well Number: 177154064400 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 60 |
| Public Info Code: Y 04-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 11050 / 11049 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |
| 12370 / 12369 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT |
| 14770 / 14769 | DEF AT Upper Miocene (Tortonian) Planulina renzi | DEF AT |
| 15910 / 15909 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 18010 / 18008 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 20570 / 20568 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 76 | Date of Summary: 05-FEB-1986 | First Sample Examined: 8000 |
| Lease Number: G04460 | Source of Paleo: OPERATOR | Borehole MD: 19064 |
| Well Name: D001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 19064 |
| API Well Number: 177154063400 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 2 | Sample Range: 8000 - 19030 | Water Depth: 60 |
| Public Info Code: Y 25-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8000 / 8000 | DEF AT first sample examined | DEF AT 3 |
| 8680 / 8680 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 10960 / 10960 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 3 |
| 12340 / 12339 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 4 |
| 12520 / 12519 | DEF AT ----- | DEF AT 3 |
| 13090 / 13089 | DEF AT ----- | DEF AT 4 |
| 14740 / 14739 | DEF AT ----- | DEF AT 5 |
| 14830 / 14829 | DEF AT Upper Miocene (Tortonian) Planulina renzi | DEF AT 5 |
| 15940 / 15939 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 5 |
| 17800 / 17798 | DEF AT ----- | DEF AT 4 |
| 17980 / 17978 | DEF AT ----- | DEF AT 5 |
| 18040 / 18038 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 18820 / 18818 | DEF AT Eggerella 3 (local marker) | DEF AT 5 |
| 19030 / 19028 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: ST 76 | Date of Summary: 05-FEB-1986 | First Sample Examined: 14830 |
| Lease Number: G04460 | Source of Paleo: OPERATOR | Borehole MD: 19064 |
| Well Name: D001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 19064 |
| API Well Number: 177154063400 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 95 |
| Paleo Report Num: 2 of 2 | Sample Range: 8000 - 19030 | Water Depth: 60 |
| Public Info Code: Y 25-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14830 / 14829 | DEF AT first sample examined | DEF AT |
| 15460 / 15459 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 19030 / 19028 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: ST 77 | Date of Summary: 06-AUG-1986 | First Sample Examined: 0 |
| Lease Number: G04827 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 19000 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 19000 |
| API Well Number: 177154064300 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 60 |
| Public Info Code: Y 01-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 4950 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8970 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10950 / | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |
| 12240 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 14580 / | DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT |
| 15690 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 17970 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: ST 77 | Date of Summary: 15-MAR-1985 | First Sample Examined: 11000 |
| Lease Number: G04827 | Source of Paleo: OPERATOR | Borehole MD: 13850 |
| Well Name: A002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13571 |
| API Well Number: 177154061300 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 11000 - 13850 | Water Depth: 65 |
| Public Info Code: Y 10-APR-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11000 / 10818 | DEF AT first sample examined | DEF AT 3 |
| 11001 / 10819 | DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 3 |
| 11779 / 11566 | DEF AT Cyclammina cancellata (local marker) | DEF AT 3 |
| 11780 / 11567 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 12350 / 12114 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 12560 / 12316 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 13550 / 13276 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 4 |
| 13850 / 13570 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 77 | Date of Summary: 24-APR-1985 | First Sample Examined: 4000 |
| Lease Number: G04827 | Source of Paleo: OPERATOR | Borehole MD: 11173 |
| Well Name: A002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10704 |
| API Well Number: 177154061301 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 11170 | Water Depth: 65 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | DEF | AT | Ecozone |
|---------------|--|-----|----|---------|
| 4000 / 3998 | DEF AT first sample examined | DEF | AT | |
| 4001 / 3998 | DEF AT cement | DEF | AT | |
| 4300 / 4295 | DEF AT glauconite | DEF | AT | |
| 5740 / 5659 | DEF AT faunal change (no faunal increase) | DEF | AT | 3 |
| 5800 / 5716 | DEF AT faunal change (no faunal increase) | DEF | AT | 2 |
| 9220 / 8888 | DEF AT faunal change (no faunal increase) | DEF | AT | 3 |
| 9280 / 8943 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF | AT | 3 |
| 10270 / 9855 | DEF AT faunal change (no faunal increase) | DEF | AT | 2 |
| 11080 / 10606 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF | AT | 3 |
| 11170 / 10690 | DEF AT last sample examined | DEF | AT | 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 77 | Date of Summary: 30-DEC-1983 | First Sample Examined: 6000 |
| Lease Number: G04827 | Source of Paleo: OPERATOR | Borehole MD: 14500 |
| Well Name: B001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 14498 |
| API Well Number: 177154056000 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 14520 | Water Depth: 55 |
| Public Info Code: Y 21-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 6000 / 6000 | DEF AT first sample examined | DEF AT 2 |
| 9090 / 9090 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 9190 / 9190 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 10800 / 10800 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 3 |
| 12149 / 12148 | DEF AT Bathysiphon fauna | DEF AT 3 |
| 12150 / 12149 | DEF AT Cyclamina cancellata (local marker) | DEF AT 3 |
| 12870 / 12869 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 12960 / 12959 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 13320 / 13319 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13350 / 13349 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 13800 / 13799 | DEF AT Upper Miocene (Tortonian) Reophax davepopei | DEF AT 4 |
| 14520 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 87 | Date of Summary: 31-JAN-1992 | First Sample Examined: 0 |
| Lease Number: G10822 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13455 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13452 |
| API Well Number: 177154079300 | Drilling Operator: CENTURY OFFSHORE MANAGEMENT | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 109 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5390 / 5390 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8210 / 8210 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 100 | Date of Summary: 01-JUL-1985 | First Sample Examined: 0 |
| Lease Number: G05599 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5975 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 3590 |
| API Well Number: 177154062200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 120 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 56 |
| Public Info Code: Y 19-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4022 / 2748 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 100 | Date of Summary: 20-APR-1988 | First Sample Examined: 0 |
| Lease Number: G05599 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12730 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 12332 |
| API Well Number: 177154069100 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 56 |
| Public Info Code: Y 22-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 3064 / 3064 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3540 / 3540 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 5030 / 5029 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6410 / 6382 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7885 / 7763 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10350 / 10080 | DEF AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri | DEF AT |
| 12070 / 11713 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 100 | Date of Summary: 12-JUL-1985 | First Sample Examined: 0 |
| Lease Number: G05602 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13000 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 12700 |
| API Well Number: 177154058600 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 56 |
| Public Info Code: Y 25-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 2570 / 2570 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3500 / 3500 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 5000 / 5000 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6370 / 6328 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7780 / 7659 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT |
| 10360 / 10100 | DEF AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri | DEF AT |
| 11980 / 11683 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: ST 107 | Date of Summary: 02-JAN-1991 | First Sample Examined: 980 |
| Lease Number: G05601 | Source of Paleo: OPERATOR | Borehole MD: 22680 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 22670 |
| API Well Number: 177154070000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 980 - 22680 | Water Depth: 75 |
| Public Info Code: Y 31-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report, 8420=Lower Pliocene Helicosphaera rhomba, 18090=Calcidiscus umbilicus, 19350=Siphogenerina collomi, 20160=Upper Miocene (Tortonian) Uvigerina lirettensis, foram and nannofossil species abundance and diversity chart available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 980 / 980 | DEF AT first sample examined | DEF IN 1 |
| 981 / 981 | DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF IN 1 |
| 1070 / 1070 | DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase) | DEF AT 2 |
| 1250 / 1250 | DEF AT ----- | DEF IN 1 |
| 2120 / 2120 | DEF AT ----- | DEF AT 2 |
| 2180 / 2180 | DEF AT ----- | DEF IN 1 |
| 2540 / 2540 | DEF AT ----- | DEF AT 2 |
| 2570 / 2570 | DEF AT ----- | DEF AT 3 |
| 2930 / 2930 | DEF AT ----- | DEF IN 3 |
| 3770 / 3770 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 4128 / 4128 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF IN 3 |
| 4129 / 4129 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF IN 3 |
| 4130 / 4130 | POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF IN 3 |
| 4310 / 4310 | DEF AT ----- | DEF AT 3 |
| 4340 / 4340 | DEF AT ----- | DEF IN 2 |
| 4490 / 4490 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 2 |
| 4670 / 4670 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF IN 2 |
| 5510 / 5510 | DEF AT ----- | DEF AT 3 |
| 5570 / 5570 | DEF AT ----- | DEF IN 3 |
| 5689 / 5689 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: ST 107 | Date of Summary: 02-JAN-1991 | First Sample Examined: 980 |
| Lease Number: G05601 | Source of Paleo: OPERATOR | Borehole MD: 22680 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 22670 |
| API Well Number: 177154070000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 980 - 22680 | Water Depth: 75 |
| Public Info Code: Y 31-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5690 / 5690 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF IN 3 |
| 5720 / 5720 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF IN 3 |
| 5810 / 5810 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT 4 |
| 6170 / 6170 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 4 |
| 6200 / 6200 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT 4 |
| 6260 / 6260 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 6650 / 6649 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF IN 3 |
| 7190 / 7189 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 7550 / 7549 | DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis | DEF AT 4 |
| 7820 / 7819 | DEF AT - - - - - | DEF IN 3 |
| 7850 / 7849 | DEF AT - - - - - | DEF AT 3 |
| 8420 / 8419 | DEF IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme) | DEF IN 3 |
| 8840 / 8839 | DEF AT - - - - - | DEF AT 3 |
| 8870 / 8869 | DEF AT - - - - - | DEF IN 2 |
| 9050 / 9049 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 2 |
| 10520 / 10518 | DEF AT - - - - - | DEF AT 3 |
| 10580 / 10578 | DEF AT - - - - - | DEF IN 3 |
| 11510 / 11508 | DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus | DEF IN 3 |
| 11780 / 11777 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF IN 3 |
| 12110 / 12107 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF IN 3 |
| 12380 / 12377 | DEF AT - - - - - | DEF AT 3 |
| 12440 / 12437 | DEF AT - - - - - | DEF IN 2 |
| 12650 / 12647 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF IN 2 |
| 13130 / 13126 | DEF AT - - - - - | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: ST 107 | Date of Summary: 02-JAN-1991 | First Sample Examined: 980 |
| Lease Number: G05601 | Source of Paleo: OPERATOR | Borehole MD: 22680 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 22670 |
| API Well Number: 177154070000 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 980 - 22680 | Water Depth: 75 |
| Public Info Code: Y 31-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 13340 / 13336 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF IN 3 |
| 13460 / 13456 | DEF AT Upper Miocene (Tortonian) Reophax davepopei | DEF AT 4 |
| 13520 / 13516 | DEF AT local marker planktic foram increase | DEF AT 4 |
| 13700 / 13696 | DEF AT ----- | DEF IN 3 |
| 15830 / 15824 | DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria | DEF IN 3 |
| 15980 / 15974 | DEF AT ----- | DEF AT 4 |
| 16190 / 16183 | DEF AT ----- | DEF IN 4 |
| 16700 / 16693 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF IN 4 |
| 17600 / 17592 | DEF AT ----- | DEF AT 5 |
| 17660 / 17652 | DEF AT ----- | DEF IN 5 |
| 17900 / 17892 | DEF AT ----- | DEF AT 6 |
| 18090 / 18082 | DEF AT local marker floral increase | DEF AT 6 |
| 18990 / 18982 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT 6 |
| 19110 / 19102 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 6 |
| 19350 / 19341 | DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme) | DEF AT 6 |
| 20160 / 20151 | DEF AT Upper Miocene (Messinian) Bolivina denticulata | DEF AT 6 |
| 20460 / 20451 | DEF AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT 6 |
| 20640 / 20631 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 6 |
| 21180 / 21171 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT 6 |
| 22240 / 22230 | DEF AT ----- | DEF IN 6 |
| 22680 / 22670 | DEF AT last sample examined | DEF IN 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: ST 107 | Date of Summary: 21-AUG-1989 | First Sample Examined: 10020 |
| Lease Number: G05601 | Source of Paleo: OPERATOR | Borehole MD: 17736 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16588 |
| API Well Number: 177154072100 | Drilling Operator: CENTURY OFFSHORE MANAGEMENT | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 2 | Sample Range: 10020 - 14577 | Water Depth: 74 |
| Public Info Code: Y 31-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10020 / 10019 | DEF AT first sample examined | DEF IN 3 |
| 11550 / 11534 | DEF AT - - - - - | DEF AT 4 |
| 12150 / 12099 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |
| 14577 / 14178 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: ST 107 | Date of Summary: 21-AUG-1989 | First Sample Examined: 14550 |
| Lease Number: G05601 | Source of Paleo: OPERATOR | Borehole MD: 17736 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16588 |
| API Well Number: 177154072100 | Drilling Operator: CENTURY OFFSHORE MANAGEMENT | Rkb Elevation: 81 |
| Paleo Report Num: 2 of 2 | Sample Range: 14550 - 17736 | Water Depth: 74 |
| Public Info Code: Y 31-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 1 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 14550 / 14153 | DEF AT first sample examined | DEF AT 4 |
| 17736 / 16588 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 110 | Date of Summary: 28-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G14524 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15595 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15593 |
| API Well Number: 177154085000 | Drilling Operator: NEWFIELD EXPLORATION COMPANY | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 65 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14845 / 14843 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 15585 / 15583 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: ST 131 | Date of Summary: 21-DEC-1991 | First Sample Examined: 4000 |
| Lease Number: 00457 | Source of Paleo: OPERATOR | Borehole MD: 8303 |
| Well Name: L001 | Paleo Done By: OPERATOR | Borehole TVD: 7100 |
| API Well Number: 177154071500 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 2 | Sample Range: 261 - 5320 | Water Depth: 198 |
| Public Info Code: Y 29-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 4000 / 3996 | DEF AT first sample examined | DEF AT 2 |
| 4420 / 4415 | DEF AT ----- | DEF AT 3 |
| 4480 / 4474 | DEF AT ----- | DEF AT 4 |
| 4570 / 4564 | DEF AT ----- | DEF AT 3 |
| 4660 / 4652 | DEF AT ----- | DEF AT 4 |
| 4690 / 4682 | DEF AT ----- | DEF AT 3 |
| 4810 / 4798 | DEF AT ----- | DEF AT 4 |
| 4840 / 4826 | DEF AT ----- | DEF AT 3 |
| 5140 / 5099 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 5260 / 5202 | DEF AT ----- | DEF AT 3 |
| 5320 / 5251 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: ST 131 | Date of Summary: 21-DEC-1991 | First Sample Examined: 4990 |
| Lease Number: 00457 | Source of Paleo: OPERATOR | Borehole MD: 8303 |
| Well Name: L001 | Paleo Done By: OPERATOR | Borehole TVD: 7100 |
| API Well Number: 177154071500 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 98 |
| Paleo Report Num: 2 of 2 | Sample Range: 2560 - 6203 | Water Depth: 198 |
| Public Info Code: Y 29-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Bypass report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4990 / 4966 | DEF AT first sample examined | DEF AT 3 |
| 5080 / 5047 | DEF AT ----- | DEF AT 4 |
| 5110 / 5073 | DEF AT ----- | DEF AT 3 |
| 5290 / 5227 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 5440 / 5348 | DEF AT ----- | DEF AT 3 |
| 5590 / 5464 | DEF AT ----- | DEF AT 2 |
| 5890 / 5677 | DEF AT ----- | DEF AT 3 |
| 6203 / 5859 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 136 | Date of Summary: 15-OCT-1993 | First Sample Examined: 0 |
| Lease Number: G08720 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18000 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 17983 |
| API Well Number: 177154075000 | Drilling Operator: FORCENERGY GOM INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 93 |
| Public Info Code: Y 07-DEC-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6650 / 6650 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7140 / 7140 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10360 / 10360 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 15560 / 15559 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 17960 / 17943 | DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 138 | Date of Summary: 03-OCT-1990 | First Sample Examined: 0 |
| Lease Number: G10830 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3700 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 3700 |
| API Well Number: 177154076200 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 70 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---------------------------------------|----------------|
| 2810 / | DEF IN Illinoian fauna (local marker) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 143 | Date of Summary: 26-JUL-1985 | First Sample Examined: 0 |
| Lease Number: G06767 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3800 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 3800 |
| API Well Number: 177154060200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 01-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2966 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: ST 147 | Date of Summary: 04-AUG-1987 | First Sample Examined: 4560 |
| Lease Number: G04885 | Source of Paleo: OPERATOR | Borehole MD: 12730 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12729 |
| API Well Number: 177154049600 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 4560 - 12890 | Water Depth: 90 |
| Public Info Code: Y 30-JUN-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4560 / 4560 | DEF AT first sample examined | DEF AT 2 |
| 4770 / 4770 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 7320 / 7319 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 2 |
| 7470 / 7469 | DEF AT - - - - - | DEF AT 3 |
| 7500 / 7499 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8040 / 8039 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 10620 / 10619 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 12890 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: ST 147 | Date of Summary: 12-JAN-1987 | First Sample Examined: 0 |
| Lease Number: G04885 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13318 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 13296 |
| API Well Number: 177154065900 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 85 |
| Public Info Code: Y 30-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7420 / 7418 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 11050 / 11039 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 12370 / 12355 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 147 | Date of Summary: 31-MAR-1988 | First Sample Examined: 0 |
| Lease Number: G04885 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13767 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10432 |
| API Well Number: 177154058800 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 98 |
| Public Info Code: Y 30-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3990 / 3990 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6510 / 6443 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7740 / 7244 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT |
| 12900 / 9975 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 160 | Date of Summary: 03-APR-1991 | First Sample Examined: 0 |
| Lease Number: G04828 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15464 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 15455 |
| API Well Number: 177154076600 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 130 |
| Public Info Code: Y 26-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 7600 / 7599 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7700 / 7699 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9140 / 9139 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 9410 / 9409 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10460 / 10459 | POS AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT |
| 12020 / 12017 | DEF AT Upper Pliocene (Piacenzian) Cyclamina sp. | DEF AT |
| 14240 / 14235 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 14960 / 14953 | DEF AT anhydrite | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: ST 160 | Date of Summary: 20-JAN-1988 | First Sample Examined: 12490 |
| Lease Number: G04828 | Source of Paleo: OPERATOR | Borehole MD: 17195 |
| Well Name: E001 | Paleo Done By: OPERATOR | Borehole TVD: 17195 |
| API Well Number: 177154067300 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 17195 | Water Depth: 122 |
| Public Info Code: Y 26-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 12490 / | DEF AT first sample examined | DEF AT 2 |
| 12880 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 2 |
| 13900 / | DEF AT - - - - - | DEF AT 3 |
| 13930 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 14680 / | DEF AT - - - - - | DEF AT 2 |
| 15610 / | DEF AT - - - - - | DEF AT 3 |
| 15760 / | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 3 |
| 16720 / | DEF AT - - - - - | DEF AT 4 |
| 17000 / | DEF AT - - - - - | DEF AT 3 |
| 17120 / | POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 3 |
| 17195 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 169 | Date of Summary: 12-SEP-1985 | First Sample Examined: 0 |
| Lease Number: G01253 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8210 |
| Well Name: 006 | Paleo Done By: OPERATOR | Borehole TVD: 7527 |
| API Well Number: 177154062300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 102 |
| Public Info Code: Y 02-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5651 / 5541 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7370 / 6971 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: ST 195 | Date of Summary: 20-NOV-1990 | First Sample Examined: 2500 |
| Lease Number: G03593 | Source of Paleo: OPERATOR | Borehole MD: 8400 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8001 |
| API Well Number: 177154072400 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 2500 - 8410 | Water Depth: 112 |
| Public Info Code: Y 23-SEP-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 2500 / 2500 | DEF AT first sample examined | DEF AT 3 |
| 2830 / 2830 | DEF AT ----- | DEF AT 2 |
| 3190 / 3190 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 3430 / 3430 | DEF AT ----- | DEF IN 2 |
| 4270 / 4267 | DEF AT ----- | DEF IN 3 |
| 4630 / 4619 | DEF AT ----- | DEF IN 2 |
| 5140 / 5096 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 2 |
| 6610 / 6407 | DEF AT ----- | DEF AT 3 |
| 6820 / 6596 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8410 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 196 | Date of Summary: 09-MAY-1986 | First Sample Examined: 0 |
| Lease Number: G01265 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15013 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 14031 |
| API Well Number: 177154063900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 105 |
| Public Info Code: Y 19-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6670 / 6374 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8560 / 8160 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 9750 / 9294 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12650 / 11992 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 14180 / 13387 | DEF AT Arenaceous fauna (local marker) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: ST 197 | Date of Summary: 10-APR-1995 | First Sample Examined: 0 |
| Lease Number: G05611 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15632 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 13500 |
| API Well Number: 177154069500 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 119 |
| Public Info Code: Y 29-SEP-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 8490 / 8448 | DEF AT ----- | DEF AT 3 |
| 13630 / 12080 | DEF AT ----- | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: ST 197 | Date of Summary: 01-MAY-1991 | First Sample Examined: 0 |
| Lease Number: G05611 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12915 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 10798 |
| API Well Number: 177154070400 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 120 |
| Public Info Code: Y 06-NOV-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 8480 / 7421 | DEF AT ----- | DEF AT 3 |
| 10400 / 8834 | DEF AT ----- | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 198 | Date of Summary: 18-APR-1988 | First Sample Examined: 4010 |
| Lease Number: G07769 | Source of Paleo: OPERATOR | Borehole MD: 15000 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14998 |
| API Well Number: 177154068400 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 2 | Sample Range: 4010 - 14258 | Water Depth: 129 |
| Public Info Code: Y 04-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 4010 / 4010 | DEF AT first sample examined | DEF AT 3 |
| 4011 / 4011 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4780 / 4780 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 4970 / 4970 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 6320 / 6320 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 6800 / 6800 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 7309 / 7309 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 7310 / 7310 | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT 3 |
| 7340 / 7340 | DEF AT local marker deep water fauna | DEF AT 4 |
| 7550 / 7550 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 7580 / 7580 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 4 |
| 8600 / 8600 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 4 |
| 8810 / 8810 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 4 |
| 9350 / 9350 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 14258 / 14258 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: ST 198 | Date of Summary: 18-APR-1988 | First Sample Examined: 14240 |
| Lease Number: G07769 | Source of Paleo: OPERATOR | Borehole MD: 15000 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14998 |
| API Well Number: 177154068400 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 2 | Sample Range: 14240 - 14990 | Water Depth: 129 |
| Public Info Code: Y 04-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14240 / 14238 | DEF AT first sample examined | DEF AT 4 |
| 14419 / 14417 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 14420 / 14418 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 4 |
| 14480 / 14478 | DEF AT local marker foram decrease | DEF AT 4 |
| 14930 / 14928 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 14990 / 14988 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 198 | Date of Summary: 15-JUN-1988 | First Sample Examined: 6000 |
| Lease Number: G07769 | Source of Paleo: OPERATOR | Borehole MD: 13362 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12663 |
| API Well Number: 177154069400 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 2 | Sample Range: 6000 - 13260 | Water Depth: 129 |
| Public Info Code: Y 28-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6000 / 5999 | DEF AT first sample examined | DEF IN 3 |
| 7320 / 7318 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 3 |
| 7350 / 7348 | DEF AT local marker deep water fauna | DEF AT 4 |
| 7470 / 7466 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10560 / 10204 | POS AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 4 |
| 11370 / 10887 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 11460 / 10967 | POS AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri | DEF AT 4 |
| 13260 / 12570 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 198 | Date of Summary: 12-AUG-1996 | First Sample Examined: 0 |
| Lease Number: G07769 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13362 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 12663 |
| API Well Number: 177154069400 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 129 |
| Public Info Code: Y 28-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7320 / 7318 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7470 / 7466 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 11540 / 11038 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 198 | Date of Summary: 07-AUG-1990 | First Sample Examined: 0 |
| Lease Number: G07769 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14523 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 12482 |
| API Well Number: 177154072000 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 129 |
| Public Info Code: Y 04-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5670 / 5027 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 8395 / 7339 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 8695 / 7600 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 12735 / 10999 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 198 | Date of Summary: 13-OCT-1989 | First Sample Examined: 0 |
| Lease Number: G07769 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13334 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 13097 |
| API Well Number: 177154072700 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 129 |
| Public Info Code: Y 26-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4982 / 4981 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 7424 / 7317 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 7692 / 7564 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 11360 / 11125 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 198 | Date of Summary: 13-AUG-1990 | First Sample Examined: 0 |
| Lease Number: G07773 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15719 |
| Well Name: A007 | Paleo Done By: OPERATOR | Borehole TVD: 13941 |
| API Well Number: 177154074500 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 130 |
| Public Info Code: Y 26-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5730 / 5089 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 8573 / 7356 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8833 / 7565 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 12666 / 10917 | POS IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 200 | Date of Summary: 13-JUN-1984 | First Sample Examined: 0 |
| Lease Number: G04464 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14907 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 14536 |
| API Well Number: 177154054500 | Drilling Operator: TEXACO INC | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 131 |
| Public Info Code: Y 01-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10720 / 10603 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 13110 / 12810 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 200 | Date of Summary: 19-SEP-1996 | First Sample Examined: 0 |
| Lease Number: G04464 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14375 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 14202 |
| API Well Number: 177154056200 | Drilling Operator: TEXACO INC | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 131 |
| Public Info Code: Y 12-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10560 / 10475 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12640 / 12501 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 200 | Date of Summary: 12-JAN-2001 | First Sample Examined: 0 |
| Lease Number: G04464 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15129 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 14620 |
| API Well Number: 177154056800 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 131 |
| Public Info Code: Y 28-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10410 / 10405 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12800 / 12516 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 200 | Date of Summary: 03-MAY-1996 | First Sample Examined: 0 |
| Lease Number: G04464 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14960 |
| Well Name: A006 | Paleo Done By: OPERATOR | Borehole TVD: 14802 |
| API Well Number: 177154057500 | Drilling Operator: TEXACO INC | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 131 |
| Public Info Code: Y 22-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10590 / 10522 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12730 / 12592 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 200 | Date of Summary: 11-JAN-1985 | First Sample Examined: 0 |
| Lease Number: G04464 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15334 |
| Well Name: A007 | Paleo Done By: OPERATOR | Borehole TVD: 14905 |
| API Well Number: 177154059500 | Drilling Operator: TEXACO INC | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 131 |
| Public Info Code: Y 19-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10740 / 10531 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 13120 / 12780 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 200 | Date of Summary: 16-MAR-1999 | First Sample Examined: 0 |
| Lease Number: G04464 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14850 |
| Well Name: A008 | Paleo Done By: OPERATOR | Borehole TVD: 13869 |
| API Well Number: 177154060500 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 131 |
| Public Info Code: Y 17-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10710 / 10543 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 14390 / 13527 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: ST 203 | Date of Summary: 14-FEB-1990 | First Sample Examined: 4630 |
| Lease Number: G01269 | Source of Paleo: OPERATOR | Borehole MD: 16100 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 16082 |
| API Well Number: 177154071800 | Drilling Operator: OFFSHORE ENERGY II LLC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 4630 - 16100 | Water Depth: 146 |
| Public Info Code: Y 30-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4630 / | DEF AT first sample examined | DEF AT 4 |
| 6160 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 7300 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 7660 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 12250 / | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 16100 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 205 | Date of Summary: 17-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G05612 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14450 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 14433 |
| API Well Number: 177154059000 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 161 |
| Public Info Code: Y 17-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7330 / 7330 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8260 / 8259 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10900 / 10898 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 205 | Date of Summary: 24-SEP-1985 | First Sample Examined: 0 |
| Lease Number: G05612 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10589 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 10014 |
| API Well Number: 177154062901 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 161 |
| Public Info Code: Y 22-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6220 / 5708 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 7840 / 7272 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8800 / 8227 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: ST 206 | Date of Summary: 17-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G05613 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14568 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 14557 |
| API Well Number: 177154057800 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 165 |
| Public Info Code: Y 12-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6280 / 6279 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 7200 / 7199 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 7800 / 7799 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 12530 / 12527 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: ST 206 | Date of Summary: 16-JAN-1985 | First Sample Examined: 4660 |
| Lease Number: G05613 | Source of Paleo: OPERATOR | Borehole MD: 12860 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11502 |
| API Well Number: 177154061000 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 4660 - 12860 | Water Depth: 165 |
| Public Info Code: Y 12-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4660 / 4007 | DEF AT first sample examined | DEF IN 4 |
| 7540 / 6237 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 4 |
| 7600 / 6292 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF IN 4 |
| 8020 / 6681 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 4 |
| 8290 / 6941 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 8440 / 7088 | POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 5 |
| 8530 / 7177 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 8680 / 7325 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 5 |
| 8830 / 7474 | DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L" | DEF AT 5 |
| 9330 / 7973 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 5 |
| 9359 / 8002 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 9360 / 8003 | DEF AT Upper Pliocene (Piacenzian) Globoquadra altispira | DEF AT 5 |
| 9660 / 8303 | POS AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 5 |
| 9840 / 8483 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 10590 / 9233 | DEF AT pyrite | DEF AT 5 |
| 11420 / 10062 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 5 |
| 11600 / 10242 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 11690 / 10332 | DEF AT Cyclammina cancellata (local marker) | DEF AT 5 |
| 11900 / 10541 | DEF AT local marker foram decrease | DEF AT 5 |
| 12170 / 10811 | DEF AT Eggerella 3 (local marker) | DEF AT 5 |
| 12350 / 10990 | DEF AT Arenaceous fauna (local marker) | DEF AT 5 |
| 12830 / 11469 | DEF AT Cyclammina cancellata (local marker) | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|------------------------------------|
| Area Block: ST 206 | Date of Summary: 16-JAN-1985 | First Sample Examined: 4660 |
| Lease Number: G05613 | Source of Paleo: OPERATOR | Borehole MD: 12860 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11502 |
| API Well Number: 177154061000 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 4660 - 12860 | Water Depth: 165 |
| Public Info Code: Y 12-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 12860 / 11499 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 225 | Date of Summary: 19-SEP-1985 | First Sample Examined: 3680 |
| Lease Number: G05224 | Source of Paleo: OPERATOR | Borehole MD: 7513 |
| Well Name: C001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6950 |
| API Well Number: 177164008800 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 3680 - 7513 | Water Depth: 174 |
| Public Info Code: Y 07-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3680 / 3498 | DEF AT first sample examined | DEF AT 5 |
| 4280 / 4022 | DEF AT ----- | DEF AT 3 |
| 4790 / 4474 | DEF AT ----- | DEF IN 3 |
| 5480 / 5099 | DEF AT ----- | DEF AT 3 |
| 6560 / 6082 | DEF AT ----- | DEF AT 4 |
| 6950 / 6435 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 5 |
| 7240 / 6699 | DEF AT ----- | DEF AT 4 |
| 7513 / 6948 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 233 | Date of Summary: 04-JAN-1999 | First Sample Examined: 0 |
| Lease Number: G14542 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6005 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6005 |
| API Well Number: 177164024300 | Drilling Operator: SNYDER OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 196 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4526 / 4526 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 241 | Date of Summary: 08-SEP-1995 | First Sample Examined: 6500 |
| Lease Number: G12976 | Source of Paleo: OPERATOR | Borehole MD: 11750 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11750 |
| API Well Number: 177164020800 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 6500 - 11750 | Water Depth: 155 |
| Public Info Code: Y 08-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 6500 / 6500 | DEF AT first sample examined | DEF AT 4 |
| 6501 / 6501 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 4 |
| 6620 / 6620 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 8120 / 8120 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 8150 / 8150 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 9110 / 9110 | POS AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 10127 / 10126 | DEF AT pyrite | DEF AT 5 |
| 10128 / 10127 | DEF AT Bathysiphon fauna | DEF AT 5 |
| 10129 / 10128 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 10130 / 10129 | DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis | DEF AT 5 |
| 10210 / 10209 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 5 |
| 10250 / 10249 | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT 5 |
| 10340 / 10339 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT 5 |
| 10430 / 10429 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 5 |
| 10490 / 10489 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10939 / 10938 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 5 |
| 10940 / 10939 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 5 |
| 11420 / 11419 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 5 |
| 11510 / 11509 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 11540 / 11539 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 5 |
| 11750 / 11749 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 245 | Date of Summary: 05-MAY-1988 | First Sample Examined: 0 |
| Lease Number: G05625 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18000 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 18000 |
| API Well Number: 177164003700 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 194 |
| Public Info Code: Y 15-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5650 / 5650 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7300 / 7300 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8500 / 8500 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9500 / 9500 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 249 | Date of Summary: 11-MAR-1996 | First Sample Examined: 0 |
| Lease Number: G12977 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17700 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16981 |
| API Well Number: 177164021300 | Drilling Operator: CAIRN ENERGY USA INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 191 |
| Public Info Code: Y 31-MAY-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6390 / 6390 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 9150 / 9150 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9420 / 9420 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 17120 / 17100 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 254 | Date of Summary: 10-JUN-1996 | First Sample Examined: 1710 |
| Lease Number: G14545 | Source of Paleo: OPERATOR | Borehole MD: 15284 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14747 |
| API Well Number: 177164021400 | Drilling Operator: ENSERCH EXPLORATION INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 1710 - 15284 | Water Depth: 210 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 1710 / 1710 | DEF AT first sample examined | DEF AT 3 |
| 3750 / 3750 | DEF AT ----- | DEF AT 4 |
| 3990 / 3990 | DEF AT ----- | DEF AT 5 |
| 7140 / 7140 | DEF AT ----- | DEF IN 5 |
| 7410 / 7410 | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 7620 / 7620 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 7710 / 7710 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 5 |
| 7770 / 7770 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF IN 5 |
| 8560 / 8560 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF IN 5 |
| 9040 / 9040 | DEF AT ----- | DEF AT 6 |
| 9610 / 9608 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 11830 / 11670 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 12940 / 12650 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 14859 / 14347 | DEF AT anhydrite | POS AT 6 |
| 14860 / 14348 | DEF AT salt | POS AT 6 |
| 15284 / 14748 | DEF AT last sample examined | POS AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 265 | Date of Summary: 18-JUL-1988 | First Sample Examined: 4700 |
| Lease Number: G12980 | Source of Paleo: OPERATOR | Borehole MD: 13000 |
| Well Name: B001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13000 |
| API Well Number: 177164014100 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 4700 - 13000 | Water Depth: 224 |
| Public Info Code: Y 12-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 4700 / | DEF AT first sample examined | DEF IN 3 |
| 5330 / | DEF AT - - - - - | DEF AT 4 |
| 5720 / | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 8870 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 9430 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 13000 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 277 | Date of Summary: 02-AUG-1995 | First Sample Examined: 0 |
| Lease Number: G12038 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9745 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 7250 |
| API Well Number: 177164020700 | Drilling Operator: UMC PETROLEUM CORPORATION | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 227 |
| Public Info Code: Y 31-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7465 / 5751 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 9138 / 6853 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 282 | Date of Summary: 30-NOV-1989 | First Sample Examined: 1500 |
| Lease Number: G10855 | Source of Paleo: OPERATOR | Borehole MD: 8790 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8790 |
| API Well Number: 177164015400 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 1500 - 8760 | Water Depth: 400 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Consultant-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 1500 / | DEF AT first sample examined | DEF AT |
| 2070 / | DEF AT local marker foram increase | DEF AT |
| 5640 / | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 6870 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7440 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 7860 / | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 7890 / | DEF IN Arenaceous fauna (local marker) | DEF AT |
| 7950 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 7980 / | POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 8220 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 8430 / | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT |
| 8580 / | POS AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 8760 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 282 | Date of Summary: 16-JAN-1989 | First Sample Examined: 4980 |
| Lease Number: G10855 | Source of Paleo: OPERATOR | Borehole MD: 9403 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8314 |
| API Well Number: 177164016000 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 3240 - 9404 | Water Depth: 333 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Consultant-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4980 / 4778 | DEF AT first sample examined | DEF AT |
| 6480 / 5931 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 8040 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 8700 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 8820 / | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 9404 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 287 | Date of Summary: 21-FEB-1990 | First Sample Examined: 1570 |
| Lease Number: G10856 | Source of Paleo: OPERATOR | Borehole MD: 11699 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9500 |
| API Well Number: 177164015800 | Drilling Operator: NORCEN EXPLORER INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 2 | Sample Range: 1570 - 8800 | Water Depth: 383 |
| Public Info Code: Y 06-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1570 / 1570 | DEF AT first sample examined | DEF IN 3 |
| 1630 / 1630 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 4420 / 4234 | DEF AT - - - - - | DEF AT 5 |
| 5920 / 5267 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5 |
| 8320 / 6982 | DEF AT local marker foram increase | DEF AT 5 |
| 8800 / 7350 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 287 | Date of Summary: 21-FEB-1990 | First Sample Examined: 7960 |
| Lease Number: G10856 | Source of Paleo: OPERATOR | Borehole MD: 11699 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9500 |
| API Well Number: 177164015800 | Drilling Operator: NORCEN EXPLORER INC | Rkb Elevation: 88 |
| Paleo Report Num: 2 of 2 | Sample Range: 7960 - 9160 | Water Depth: 383 |
| Public Info Code: Y 06-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7960 / 6716 | DEF AT first sample examined | DEF AT 5 |
| 8290 / 6959 | DEF AT local marker foram increase | DEF AT 5 |
| 8410 / 7051 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 9160 / 7626 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: ST 289 | Date of Summary: 28-NOV-1994 | First Sample Examined: 0 |
| Lease Number: G10857 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18034 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18034 |
| API Well Number: 177164020100 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 398 |
| Public Info Code: Y 26-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 11340 / 11338 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 11730 / 11728 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 13210 / 13208 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 13740 / 13738 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 14890 / 14887 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 15010 / 15007 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 15250 / 15247 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 17840 / 17837 | POS AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 290 | Date of Summary: 21-OCT-1985 | First Sample Examined: 0 |
| Lease Number: G05644 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11415 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11415 |
| API Well Number: 177164008500 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 415 |
| Public Info Code: Y 25-MAR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2760 / 2760 | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 7650 / 7650 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT |
| 9510 / 9410 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 10530 / 10259 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 11130 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: ST 295 | Date of Summary: 13-APR-1984 | First Sample Examined: 4850 |
| Lease Number: G05646 | Source of Paleo: OPERATOR | Borehole MD: 13637 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13614 |
| API Well Number: 177164004800 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 4850 - 13637 | Water Depth: 284 |
| Public Info Code: Y 04-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4850 / 4850 | DEF AT first sample examined | DEF AT |
| 9156 / 9155 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 13637 / 13609 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 295 | Date of Summary: 08-JUN-1995 | First Sample Examined: 0 |
| Lease Number: G05646 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15168 |
| Well Name: A015 | Paleo Done By: OPERATOR | Borehole TVD: 14034 |
| API Well Number: 177164013700 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 118 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 288 |
| Public Info Code: Y 03-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12422 / 11404 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 299 | Date of Summary: 09-OCT-1997 | First Sample Examined: 2850 |
| Lease Number: G14550 | Source of Paleo: OPERATOR | Borehole MD: 17540 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 17127 |
| API Well Number: 177164022200 | Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 2 | Sample Range: 2850 - 17540 | Water Depth: 289 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: 15150 to 16041 = bypass 1, 15880 to 17540 = bypass 2; foram species abundance and diversity chart available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2850 / 2850 | DEF AT first sample examined | DEF AT 4 |
| 3030 / 3030 | DEF AT - - - - - | DEF AT 5 |
| 3390 / 3390 | DEF AT - - - - - | DEF AT 4 |
| 3630 / 3630 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 4560 / 4560 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 4 |
| 6270 / 6270 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 5 |
| 6359 / 6359 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF IN 5 |
| 6360 / 6360 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF IN 5 |
| 6510 / 6510 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF IN 5 |
| 6720 / 6720 | DEF AT - - - - - | DEF AT 5 |
| 7380 / 7380 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 5 |
| 7470 / 7470 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF IN 5 |
| 7680 / 7680 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF IN 5 |
| 7950 / 7950 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 5 |
| 8040 / 8040 | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF IN 5 |
| 8070 / 8070 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF IN 5 |
| 8130 / 8130 | DEF AT - - - - - | DEF AT 5 |
| 8280 / 8280 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 8340 / 8340 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 8700 / 8699 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 5 |
| 8910 / 8909 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 5 |
| 8940 / 8939 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: ST 299 | Date of Summary: 09-OCT-1997 | First Sample Examined: 2850 |
| Lease Number: G14550 | Source of Paleo: OPERATOR | Borehole MD: 17540 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 17127 |
| API Well Number: 177164022200 | Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 2 | Sample Range: 2850 - 17540 | Water Depth: 289 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9000 / 8999 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 9001 / 9000 | DEF AT anhydrite | DEF AT 5 |
| 9300 / 9299 | DEF AT salt | DEF AT 5 |
| 14070 / 14057 | DEF AT base of salt | DEF AT 5 |
| 14265 / 14252 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 14800 / 14784 | DEF AT Eggerella sp. (local marker) | DEF AT 6 |
| 14830 / 14813 | POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 6 |
| 15145 / 15117 | DEF AT poor sample interval top | DEF AT 6 |
| 15190 / 15160 | DEF AT sample gap top | POS AT 6 |
| 15880 / 15828 | DEF AT sample gap bottom | DEF AT 6 |
| 17539 / 17126 | DEF AT poor sample interval bottom | DEF AT 6 |
| 17540 / 17127 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: ST 299 | Date of Summary: 09-OCT-1997 | First Sample Examined: 14070 |
| Lease Number: G14550 | Source of Paleo: OPERATOR | Borehole MD: 17540 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 17127 |
| API Well Number: 177164022200 | Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC | Rkb Elevation: 110 |
| Paleo Report Num: 2 of 2 | Sample Range: 2850 - 17540 | Water Depth: 289 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2850 / 2850 | DEF AT first sample examined | DEF AT |
| 2910 / 2910 | POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 4650 / 4650 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 5490 / 5490 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata | DEF AT |
| 6270 / 6270 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 6300 / 6300 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large) | DEF AT |
| 6510 / 6510 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 7380 / 7380 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 7470 / 7470 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 7500 / 7500 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A" | DEF AT |
| 7950 / 7950 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 8010 / 8010 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 8580 / 8579 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 9000 / 8999 | DEF AT salt | DEF AT |
| 9090 / 9089 | DEF AT sample gap top | DEF AT |
| 13500 / 13489 | DEF AT sample gap bottom | DEF AT |
| 14069 / 14056 | DEF AT base of salt | DEF AT |
| 14070 / 14057 | DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 14235 / 14222 | DEF AT out-of-place section | DEF AT |
| 14815 / 14798 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 15115 / 15088 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 15190 / 15160 | DEF AT sample gap top | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: ST 299 | Date of Summary: 09-OCT-1997 | First Sample Examined: 14070 |
| Lease Number: G14550 | Source of Paleo: OPERATOR | Borehole MD: 17540 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 17127 |
| API Well Number: 177164022200 | Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC | Rkb Elevation: 110 |
| Paleo Report Num: 2 of 2 | Sample Range: 2850 - 17540 | Water Depth: 289 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 15880 / 15828 | DEF AT sample gap bottom | DEF AT |
| 17030 / 16831 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 17540 / 17127 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 308 | Date of Summary: 09-JAN-1991 | First Sample Examined: 0 |
| Lease Number: G12043 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8500 |
| API Well Number: 177164017400 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 530 |
| Public Info Code: Y 14-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3380 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7380 / | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT |
| 7830 / | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7980 / | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: ST 308 | Date of Summary: 19-MAY-1998 | First Sample Examined: 0 |
| Lease Number: G12043 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9500 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 9500 |
| API Well Number: 177164023300 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 533 |
| Public Info Code: Y 14-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4970 / 4970 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 7160 / 7160 | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT |
| 8461 / 8460 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 8480 / 8479 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 8725 / 8724 | DEF AT condensed section | DEF AT |
| 8745 / 8744 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: ST 310 | Date of Summary: 28-AUG-1996 | First Sample Examined: 8820 |
| Lease Number: G12982 | Source of Paleo: OPERATOR | Borehole MD: 16891 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16570 |
| API Well Number: 177164021601 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 2 | Sample Range: 8820 - 16891 | Water Depth: 464 |
| Public Info Code: Y 27-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 8820 / 8812 | DEF AT first sample examined | DEF AT |
| 8821 / 8813 | DEF IN salt | DEF AT |
| 9820 / 9811 | DEF AT out-of-place section | DEF AT |
| 10360 / 10351 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 10390 / 10381 | DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme) | DEF AT |
| 12340 / 12331 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B" | DEF AT |
| 13510 / 13483 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 16891 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: ST 310 | Date of Summary: 04-SEP-1996 | First Sample Examined: 8820 |
| Lease Number: G12982 | Source of Paleo: OPERATOR | Borehole MD: 16891 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16570 |
| API Well Number: 177164021601 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 2 of 2 | Sample Range: 8820 - 16891 | Water Depth: 464 |
| Public Info Code: Y 27-NOV-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8820 / 8812 | DEF AT first sample examined | DEF AT |
| 8821 / 8813 | DEF IN salt | DEF AT |
| 9790 / 9781 | POS AT out-of-place section | DEF AT 5 |
| 10960 / 10951 | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 12160 / 12151 | DEF AT - - - - - | DEF AT 6 |
| 12280 / 12271 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 16000 / 15744 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 16891 / | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: SX 18 | Date of Summary: 29-SEP-1987 | First Sample Examined: 0 |
| Lease Number: G04082 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13646 |
| Well Name: B006 | Paleo Done By: OPERATOR | Borehole TVD: 13202 |
| API Well Number: 427154002000 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 41 |
| Public Info Code: Y 06-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7050 / 6694 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 10260 / 9818 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 10620 / 10178 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VK 32 | Date of Summary: 15-APR-1988 | First Sample Examined: 0 |
| Lease Number: G07871 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 2716 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 2716 |
| API Well Number: 608164010800 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 104 |
| Public Info Code: Y 30-APR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2492 / | DEF IN Upper Miocene (Tortonian) Bolivina thalmani | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VK 32 | Date of Summary: 01-JUL-1988 | First Sample Examined: 0 |
| Lease Number: G07871 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3125 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 2949 |
| API Well Number: 608164011800 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 96 |
| Public Info Code: Y 14-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2878 / 2731 | DEF IN Upper Miocene (Tortonian) Bolivina thalmani | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VK 74 | Date of Summary: 29-MAR-1988 | First Sample Examined: 0 |
| Lease Number: G07878 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 2900 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 2900 |
| API Well Number: 608164010900 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 109 |
| Public Info Code: Y 13-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2316 / 2316 | DEF IN Upper Miocene (Tortonian) Bolivina thalmani | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VK 74 | Date of Summary: 29-FEB-1988 | First Sample Examined: 0 |
| Lease Number: G07878 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 2350 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 2350 |
| API Well Number: 608164012100 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 107 |
| Public Info Code: Y 03-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2160 / 2160 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VK 74 | Date of Summary: 28-MAR-1988 | First Sample Examined: 0 |
| Lease Number: G07878 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 2550 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 2550 |
| API Well Number: 608164012500 | Drilling Operator: SANTA FE INTERNATIONAL CORPOR | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 22-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1650 / 1650 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: VK 117 | Date of Summary: 31-JAN-1986 | First Sample Examined: 17010 |
| Lease Number: G06872 | Source of Paleo: OPERATOR | Borehole MD: 25000 |
| Well Name: 001 | Paleo Done By: ROBERTSON RESEARCH | Borehole TVD: 25000 |
| API Well Number: 608164009300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 3 | Sample Range: 17010 - 20450 | Water Depth: 115 |
| Public Info Code: Y 27-APR-1996 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil, dinoflagellate and palynomorph report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 17010 / | DEF AT first sample examined | DEF AT |
| 17011 / | DEF AT local marker floral decrease | DEF AT |
| 18450 / | DEF IN Lower Cretaceous (Aptian) Nannoconus steinmanni | DEF AT |
| 18630 / | DEF AT Lower Cretaceous Berriasian Stage | DEF AT |
| 19080 / | POS AT Upper Jurassic Tithonian Stage | DEF AT |
| 19350 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VK 117 | Date of Summary: 01-APR-1986 | First Sample Examined: 5400 |
| Lease Number: G06872 | Source of Paleo: OPERATOR | Borehole MD: 25000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 25000 |
| API Well Number: 608164009300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 3 | Sample Range: 338 - 25000 | Water Depth: 115 |
| Public Info Code: Y 27-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5400 / | DEF AT first sample examined | DEF AT 3 |
| 5401 / | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 5490 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 5550 / | DEF AT Upper Oligocene (Chattian) Heterostegina texana | DEF AT 3 |
| 5670 / | DEF AT - - - - - | DEF AT 2 |
| 6390 / | DEF AT - - - - - | DEF AT 3 |
| 6780 / | DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis | DEF AT 3 |
| 6840 / | DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri | DEF AT 3 |
| 7260 / | DEF AT Middle Eocene (Lutetian) Morozovella aragonensis | DEF AT 3 |
| 7320 / | DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis | DEF AT 3 |
| 7470 / | POS AT Upper Paleocene (Thanetian) Morozovella velascoensis | DEF AT 3 |
| 7560 / | DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii | DEF AT 3 |
| 7650 / | DEF AT Upper Cretaceous (Maastrichtian) Globotruncana contusa | DEF AT 2 |
| 8610 / | DEF AT Upper Cretaceous (Santonian) Dicarinella asymetrica | DEF AT 2 |
| 8730 / | DEF AT Upper Cretaceous (Santonian) Dicarinella concavata | DEF AT 2 |
| 9000 / | DEF AT Upper Cretaceous (Coniacian) Hedbergella amabilis | DEF AT 2 |
| 9510 / | DEF AT Upper Cretaceous (Cenomanian) Rotalipora cushmani | DEF AT 2 |
| 9900 / | POS AT Upper Cretaceous (Cenomanian) Favusella washitensis | DEF AT 1 |
| 10020 / | DEF AT Lower Cretaceous (Albian) Planomalina buxtorfi | DEF AT 1 |
| 10320 / | DEF AT Lower Cretaceous (Albian) Cythereis fredericksburgensis (ostracod) | DEF AT 1 |
| 12600 / | DEF IN Lower Cretaceous Paluxy Formation | DEF AT 1 |
| 12960 / | DEF AT Lower Cretaceous (Albian) Eocytheropteron trinitiensis (ostracod) | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VK 117 | Date of Summary: 01-APR-1986 | First Sample Examined: 5400 |
| Lease Number: G06872 | Source of Paleo: OPERATOR | Borehole MD: 25000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 25000 |
| API Well Number: 608164009300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 2 of 3 | Sample Range: 338 - 25000 | Water Depth: 115 |
| Public Info Code: Y 27-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13350 / | DEF AT Lower Cretaceous (Albian) Orbitolina texana | DEF AT 1 |
| 14670 / | DEF AT Lower Cretaceous (Albian) Rehacythereis? aff. R. glabrella (ostracod) | DEF AT 1 |
| 16170 / | DEF AT Lower Cretaceous (Aptian) Choffatella decipiens | DEF AT 1 |
| 17640 / | POS AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage | DEF AT 1 |
| 22550 / | POS IN Jurassic Haynesville Formation | DEF AT 1 |
| 23190 / | POS IN Jurassic Smackover Formation | DEF AT 1 |
| 25000 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: VK 117 | Date of Summary: 25-JUN-1986 | First Sample Examined: 13320 |
| Lease Number: G06872 | Source of Paleo: OPERATOR | Borehole MD: 25000 |
| Well Name: 001 | Paleo Done By: ROBERTSON RESEARCH | Borehole TVD: 25000 |
| API Well Number: 608164009300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 3 of 3 | Sample Range: 13320 - 24990 | Water Depth: 115 |
| Public Info Code: Y 27-APR-1996 | Ecozone Eq MMS: N | Paleo ID: 004 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 13320 / | DEF AT first sample examined | DEF AT |
| 13321 / | DEF AT Lower Cretaceous Albian Stage | DEF AT |
| 13659 / | DEF AT reworked material | DEF AT |
| 13660 / | POS AT unconformity | DEF AT |
| 14150 / | DEF IN Lower Cretaceous Albian Stage | DEF AT |
| 14460 / | DEF AT local marker floral decrease | DEF AT |
| 15390 / | DEF AT Lower Cretaceous (Aptian) Nannoconus kamptneri | DEF AT |
| 15840 / | DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni | DEF AT |
| 15940 / | DEF AT Lower Cretaceous (Barremian) Calcicalathina oblongata | DEF AT |
| 16260 / | POS AT Lower Cretaceous Hauterivian Stage | DEF AT |
| 16530 / | DEF AT local marker floral increase | DEF AT |
| 17000 / | POS AT local marker floral decrease | DEF AT |
| 18449 / | DEF AT local marker floral increase | DEF AT |
| 18450 / | DEF AT Lower Cretaceous (Valanginian) Micrantholithus speetonensis | DEF AT |
| 18720 / | DEF AT local marker floral decrease | DEF AT |
| 18810 / | POS AT Lower Cretaceous Berriasian Stage | DEF AT |
| 19389 / | DEF AT Lower Cretaceous (Berriasian) Polycostella senaria | DEF AT |
| 19390 / | DEF AT Lower Cretaceous (Berriasian) Polycostella beckmannii | DEF AT |
| 19710 / | DEF AT local marker floral increase | DEF AT |
| 20320 / | DEF AT local marker floral increase | DEF AT |
| 20720 / | DEF AT Upper Jurassic (Tithonian) Hexalithus noelae | DEF AT |
| 20950 / | DEF AT local marker floral decrease | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|-------------------------------------|
| Area Block: VK 117 | Date of Summary: 25-JUN-1986 | First Sample Examined: 13320 |
| Lease Number: G06872 | Source of Paleo: OPERATOR | Borehole MD: 25000 |
| Well Name: 001 | Paleo Done By: ROBERTSON RESEARCH | Borehole TVD: 25000 |
| API Well Number: 608164009300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 3 of 3 | Sample Range: 13320 - 24990 | Water Depth: 115 |
| Public Info Code: Y 27-APR-1996 | Ecozone Eq MMS: N | Paleo ID: 004 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 22030 / | DEF AT local marker floral increase | DEF AT |
| 22499 / | DEF AT local marker floral decrease | DEF AT |
| 22500 / | POS AT Upper Jurassic Kimmeridgian Stage | DEF AT |
| 23589 / | DEF AT Upper Jurassic (Kimmeridgian) Stephanolithion bigotii maximum | DEF AT |
| 23590 / | POS AT Upper Jurassic (Oxfordian) Lotharingius crucicentralis | DEF AT |
| 24220 / | DEF AT local marker floral decrease | DEF AT |
| 24990 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: VK 117 | Date of Summary: 26-FEB-1996 | First Sample Examined: 7050 |
| Lease Number: G06872 | Source of Paleo: OPERATOR | Borehole MD: 14920 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 14917 |
| API Well Number: 608164021800 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 7050 - 14920 | Water Depth: 115 |
| Public Info Code: Y 27-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7050 / 7050 | DEF AT first sample examined | DEF AT |
| 7051 / 7051 | DEF IN Upper Cretaceous Maastrichtian Stage | DEF AT |
| 8090 / 8090 | DEF IN Upper Cretaceous Campanian Stage | DEF AT |
| 8810 / 8809 | DEF IN Upper Cretaceous Santonian Stage | DEF AT |
| 9050 / 9049 | DEF IN Upper Cretaceous Turonian Stage | DEF AT |
| 9650 / 9649 | DEF IN Upper Cretaceous Cenomanian Stage | DEF AT |
| 14920 / 14917 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: VK 124 | Date of Summary: 03-MAY-1989 | First Sample Examined: 380 |
| Lease Number: G08770 | Source of Paleo: OPERATOR | Borehole MD: 2650 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 2650 |
| API Well Number: 608164014000 | Drilling Operator: SANTA FE MINERALS INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 380 - 2650 | Water Depth: 103 |
| Public Info Code: Y 22-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 380 / 380 | DEF AT first sample examined | DEF IN 2 |
| 620 / 620 | DEF AT - - - - - | DEF AT 3 |
| 680 / 680 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 920 / 920 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 1670 / 1670 | POS AT Miocene | DEF AT 3 |
| 2300 / 2300 | POS AT - - - - - | POS AT 4 |
| 2360 / 2360 | DEF AT - - - - - | DEF AT 3 |
| 2650 / 2650 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: VK 156 | Date of Summary: 20-APR-1989 | First Sample Examined: 360 |
| Lease Number: G07885 | Source of Paleo: OPERATOR | Borehole MD: 3000 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 3000 |
| API Well Number: 608164013900 | Drilling Operator: SANTA FE MINERALS INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 360 - 3000 | Water Depth: 99 |
| Public Info Code: Y 21-JAN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 360 / 360 | DEF AT first sample examined | DEF IN 2 |
| 1080 / 1080 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 2 |
| 1950 / 1950 | DEF AT - - - - - | DEF AT 3 |
| 1980 / 1980 | POS IN Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 2010 / 2010 | DEF AT - - - - - | DEF AT 2 |
| 2250 / 2250 | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 3000 / 3000 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VK 156 | Date of Summary: 28-APR-1997 | First Sample Examined: 0 |
| Lease Number: G07885 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7100 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 2898 |
| API Well Number: 608164028000 | Drilling Operator: EOG RESOURCES INC | Rkb Elevation: 127 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 98 |
| Public Info Code: Y 21-JAN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6312 / 2845 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 202 | Date of Summary: 11-MAR-1995 | First Sample Examined: 4100 |
| Lease Number: G13669 | Source of Paleo: OPERATOR | Borehole MD: 19700 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19698 |
| API Well Number: 608164019700 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 3 | Sample Range: 2000 - 19742 | Water Depth: 125 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4100 / | DEF AT first sample examined | DEF AT |
| 4370 / | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 5120 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |
| 5360 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 19742 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 202 | Date of Summary: 11-MAR-1995 | First Sample Examined: 2000 |
| Lease Number: G13669 | Source of Paleo: OPERATOR | Borehole MD: 19700 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 19698 |
| API Well Number: 608164019700 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 2 of 3 | Sample Range: 2000 - 19742 | Water Depth: 125 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 2000 / | DEF AT first sample examined | DEF AT |
| 3740 / | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT |
| 4070 / | DEF AT local marker floral increase | DEF AT |
| 4370 / | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |
| 5120 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |
| 5360 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 5570 / | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT |
| 18730 / | DEF AT Lower Cretaceous (Barremian) Nannoconus colomii | DEF AT |
| 19742 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 202 | Date of Summary: 10-JAN-1998 | First Sample Examined: 2000 |
| Lease Number: G13669 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 19700 |
| Well Name: 001 | Paleo Done By: ROBERT WITROCK | Borehole TVD: 19698 |
| API Well Number: 608164019700 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 96 |
| Paleo Report Num: 3 of 3 | Sample Range: 2000 - 9380 | Water Depth: 125 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 2000 / | DEF AT first sample examined | DEF AT 2 |
| 2001 / | POS IN Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 2120 / | DEF AT faunal change (no faunal increase) | DEF IN 2 |
| 2150 / | DEF AT Upper Miocene (Messinian) Bolivina denticulata | DEF IN 2 |
| 2870 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 2960 / | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 3 |
| 3290 / | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 3 |
| 3710 / | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 3740 / | DEF AT local marker benthic foram increase | DEF AT 3 |
| 4070 / | DEF AT faunal change (no faunal increase) | DEF IN 3 |
| 4130 / | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF IN 3 |
| 4190 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 4250 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF IN 3 |
| 4370 / | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF IN 3 |
| 4400 / | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF IN 3 |
| 4640 / | POS AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF IN 3 |
| 5120 / | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT 4 |
| 5180 / | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 4 |
| 5240 / | POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT 4 |
| 5360 / | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF IN 4 |
| 5420 / | POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 5 |
| 5510 / | DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF IN 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 202 | Date of Summary: 10-JAN-1998 | First Sample Examined: 2000 |
| Lease Number: G13669 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 19700 |
| Well Name: 001 | Paleo Done By: ROBERT WITROCK | Borehole TVD: 19698 |
| API Well Number: 608164019700 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 96 |
| Paleo Report Num: 3 of 3 | Sample Range: 2000 - 9380 | Water Depth: 125 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5540 / | DEF AT foram flood | DEF IN 5 |
| 5630 / | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF IN 5 |
| 5690 / | DEF AT local marker foram decrease | DEF AT 4 |
| 5750 / | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT 4 |
| 5780 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 4 |
| 5810 / | POS AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 4 |
| 5930 / | DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis | DEF AT 5 |
| 6080 / | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 5 |
| 6108 / | DEF AT foram flood | DEF AT 5 |
| 6109 / | DEF AT Bathysiphon fauna | DEF AT 5 |
| 6110 / | DEF IN Lower Miocene (Burdigalian) Siphogenerina fredsmithi | DEF AT 5 |
| 6111 / | DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis | DEF AT 5 |
| 6140 / | DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri | DEF AT 5 |
| 6229 / | DEF AT limestone | DEF AT 4 |
| 6230 / | DEF AT Upper Oligocene (Chattian) Discorbis gravelli | DEF AT 4 |
| 6290 / | DEF AT Upper Oligocene (Chattian) Globigerina sellii | DEF AT 4 |
| 6380 / | DEF AT Upper Oligocene (Chattian) Globorotalia opima nana | DEF AT 4 |
| 6530 / | POS AT Upper Oligocene (Chattian) Marginulina texana | DEF IN 3 |
| 6830 / | DEF AT Lower Oligocene (Rupelian) Nodosaria blanpiedi | DEF AT 4 |
| 6860 / | DEF IN Lower Oligocene (Rupelian) Cibicides pippeni | DEF AT 4 |
| 6861 / | DEF AT Lower Oligocene (Rupelian) Cibicides mississippiensis | DEF AT 4 |
| 6980 / | DEF AT foram flood | DEF IN 4 |
| 7130 / | DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli | DEF AT 4 |
| 7340 / | DEF AT local marker deep water fauna | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 202 | Date of Summary: 10-JAN-1998 | First Sample Examined: 2000 |
| Lease Number: G13669 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 19700 |
| Well Name: 001 | Paleo Done By: ROBERT WITROCK | Borehole TVD: 19698 |
| API Well Number: 608164019700 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 96 |
| Paleo Report Num: 3 of 3 | Sample Range: 2000 - 9380 | Water Depth: 125 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7580 / | DEF AT Upper Eocene (Priabonian) Textularia dibollensis | DEF AT 5 |
| 7760 / | DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta | DEF IN 4 |
| 7790 / | DEF AT local marker deep water fauna | DEF AT 5 |
| 7820 / | DEF IN Upper Eocene (Priabonian) Globigerinatheka semiinvoluta | DEF IN 4 |
| 7910 / | DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki | DEF IN 4 |
| 8030 / | DEF AT Middle Eocene (Bartonian) Acarinina broedermanni | DEF IN 4 |
| 8060 / | POS AT Middle Eocene (Lutetian) Morozovella aragonensis | DEF IN 4 |
| 8120 / | DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis | DEF IN 4 |
| 8150 / | DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae | DEF AT 4 |
| 8300 / | DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis | DEF AT 4 |
| 8360 / | DEF AT Lower Eocene (Ypresian) Morozovella acuta | DEF AT 4 |
| 8390 / | POS AT Upper Paleocene (Thanetian) Planorotalites compressa | DEF AT 4 |
| 8449 / | DEF IN Upper Paleocene (Thanetian) Planorotalites pusilla pusilla | DEF AT 4 |
| 8450 / | DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides | DEF AT 4 |
| 8451 / | POS IN Upper Paleocene (Thanetian) Morozovella uncinata | DEF AT 4 |
| 8570 / | DEF AT Upper Paleocene (Selandian) Vaginulina midwayensis | DEF AT 4 |
| 8630 / | DEF AT local marker deep water fauna | DEF AT 5 |
| 8659 / | DEF IN Upper Paleocene (Selandian) Globorotalia inconstans | DEF AT 5 |
| 8660 / | POS AT Lower Paleocene (Danian) Globorotalia trinidadensis | DEF AT 5 |
| 8690 / | DEF AT Lower Paleocene (Danian) Globigerina eugubina | DEF AT 5 |
| 8749 / | DEF AT limestone | DEF AT 4 |
| 8750 / | DEF AT Upper Cretaceous (Maastrichtian) Globotruncana contusa | DEF AT 4 |
| 8870 / | DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata | DEF AT 4 |
| 8930 / | DEF AT Upper Cretaceous (Campanian) Globorotalites micheliniana | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|------------------------------------|
| Area Block: VK 202 | Date of Summary: 10-JAN-1998 | First Sample Examined: 2000 |
| Lease Number: G13669 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 19700 |
| Well Name: 001 | Paleo Done By: ROBERT WITROCK | Borehole TVD: 19698 |
| API Well Number: 608164019700 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 96 |
| Paleo Report Num: 3 of 3 | Sample Range: 2000 - 9380 | Water Depth: 125 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 003 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9050 / | DEF IN Upper Cretaceous (Campanian) Globorotalites micheliniana | DEF AT 4 |
| 9170 / | DEF AT Upper Cretaceous (Campanian) Globotruncana elevata | DEF AT 4 |
| 9260 / | DEF AT Upper Cretaceous (Santonian) Dicarinella concavata | DEF IN 4 |
| 9320 / | DEF IN Upper Cretaceous (Santonian) Dicarinella concavata | DEF IN 4 |
| 9350 / | DEF AT Upper Cretaceous (Santonian) Marginotruncana renzi | DEF IN 4 |
| 9380 / | DEF AT last sample examined | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: VK 203 | Date of Summary: 24-APR-1997 | First Sample Examined: 0 |
| Lease Number: G07890 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5200 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 5200 |
| API Well Number: 608164010300 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 120 |
| Public Info Code: Y 02-DEC-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3409 / 3409 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4329 / 4329 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VK 212 | Date of Summary: 09-SEP-1994 | First Sample Examined: 0 |
| Lease Number: G10927 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15258 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14248 |
| API Well Number: 608164019800 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 29-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9254 / 9142 | DEF AT Lower (Early) Cretaceous | DEF AT |
| 12365 / 11828 | DEF AT Lower Cretaceous Paluxy Formation | DEF AT |
| 13100 / 12431 | DEF AT Lower Cretaceous Mooringsport Formation | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: VK 256 | Date of Summary: 13-JUL-1990 | First Sample Examined: 320 |
| Lease Number: G07895 | Source of Paleo: OPERATOR | Borehole MD: 2200 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 2200 |
| API Well Number: 608164015300 | Drilling Operator: SANTA FE MINERALS INC | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 320 - 2200 | Water Depth: 123 |
| Public Info Code: Y 31-AUG-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 320 / 320 | DEF AT first sample examined | DEF IN 1 |
| 350 / 350 | DEF AT ----- | DEF AT 2 |
| 920 / 920 | DEF AT ----- | DEF AT 3 |
| 1010 / 1010 | DEF AT ----- | DEF AT 2 |
| 1100 / 1100 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 1490 / 1490 | DEF AT ----- | DEF AT 2 |
| 2200 / 2200 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VK 390 | Date of Summary: 05-AUG-1994 | First Sample Examined: 0 |
| Lease Number: G10938 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15000 |
| API Well Number: 608164020200 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 118 |
| Public Info Code: Y 09-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 4980 / 4980 | DEF AT Upper Oligocene (Chattian) Heterostegina texana | DEF AT |
| 7492 / 7492 | DEF AT Upper (Late) Cretaceous | DEF AT |
| 9055 / 9055 | POS AT Lower (Early) Cretaceous | DEF AT |
| 11855 / 11854 | DEF AT Lower Cretaceous Paluxy Formation | DEF AT |
| 12758 / 12757 | DEF AT Lower Cretaceous Mooringsport Formation | DEF AT |
| 13540 / 13539 | DEF AT Lower Cretaceous Rodessa Formation | DEF AT |
| 14212 / 14211 | DEF AT Lower Cretaceous James Formation | DEF AT |
| 14923 / 14922 | DEF AT Lower Cretaceous Sligo (Pettet) Formation | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VK 695 | Date of Summary: 20-JAN-1997 | First Sample Examined: 8480 |
| Lease Number: G13056 | Source of Paleo: OPERATOR | Borehole MD: 11952 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11877 |
| API Well Number: 608164026400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 8480 - 11930 | Water Depth: 530 |
| Public Info Code: Y 23-OCT-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 8480 / 8479 | DEF AT first sample examined | DEF AT |
| 8630 / 8629 | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 9470 / 9469 | DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus | DEF AT |
| 9700 / 9699 | POS AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 5 |
| 10520 / 10517 | DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis | DEF AT 5 |
| 10820 / 10809 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 11450 / 11410 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT 5 |
| 11480 / 11438 | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT 5 |
| 11540 / 11494 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 5 |
| 11930 / 11857 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 740 | Date of Summary: 15-DEC-1995 | First Sample Examined: 5990 |
| Lease Number: G13058 | Source of Paleo: OPERATOR | Borehole MD: 11800 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 11800 |
| API Well Number: 608164023800 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 5990 - 11800 | Water Depth: 936 |
| Public Info Code: Y 06-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: 10190=first Rectuvigerina kugleri

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5990 / 5989 | DEF AT first sample examined | DEF AT 4 |
| 5991 / 5990 | DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 6140 / 6139 | DEF AT local marker foram increase | DEF AT 4 |
| 6260 / 6259 | DEF AT - - - - - | DEF IN 3 |
| 6350 / 6349 | DEF AT limestone | DEF AT 4 |
| 6440 / 6439 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 4 |
| 6470 / 6469 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT 4 |
| 6650 / 6649 | DEF AT Cyclammina cancellata (local marker) | DEF IN 3 |
| 6680 / 6679 | DEF AT - - - - - | DEF AT 4 |
| 6830 / 6829 | DEF AT - - - - - | DEF IN 3 |
| 6890 / 6889 | DEF AT Arenaceous fauna (local marker) | DEF IN 3 |
| 7100 / 7099 | DEF AT Arenaceous fauna (local marker) | DEF IN 3 |
| 7400 / 7399 | DEF IN Upper Miocene (Messinian) Bolivina denticulata | DEF IN 3 |
| 7460 / 7459 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 7610 / 7609 | DEF AT Eggerella sp. (local marker) | DEF AT 3 |
| 7700 / 7699 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF IN 3 |
| 7850 / 7849 | POS AT Upper Miocene (Tortonian) Cyclammina 3 | DEF IN 3 |
| 8120 / 8119 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF IN 3 |
| 8240 / 8239 | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT 4 |
| 8300 / 8299 | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT 4 |
| 8360 / 8359 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF IN 4 |
| 8420 / 8419 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 740 | Date of Summary: 15-DEC-1995 | First Sample Examined: 5990 |
| Lease Number: G13058 | Source of Paleo: OPERATOR | Borehole MD: 11800 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 11800 |
| API Well Number: 608164023800 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 5990 - 11800 | Water Depth: 936 |
| Public Info Code: Y 06-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 8450 / 8449 | DEF AT - - - - - | DEF AT 4 |
| 8600 / 8599 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 4 |
| 8990 / 8989 | DEF AT - - - - - | DEF IN 3 |
| 9440 / 9439 | DEF AT limestone | DEF IN 3 |
| 9620 / 9619 | DEF AT local marker planktic foram increase | DEF IN 3 |
| 9679 / 9678 | DEF IN Upper Miocene (Tortonian) Globorotalia mayeri | DEF IN 3 |
| 9680 / 9679 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF IN 3 |
| 9920 / 9919 | DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme) | DEF AT 4 |
| 10070 / 10069 | DEF AT - - - - - | DEF IN 3 |
| 10190 / 10189 | POS AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 10579 / 10577 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi | DEF AT 4 |
| 10580 / 10578 | POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT 4 |
| 10609 / 10607 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 4 |
| 10610 / 10608 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 4 |
| 10730 / 10728 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 4 |
| 11120 / 11118 | DEF AT local marker benthic foram increase | DEF IN 4 |
| 11390 / 11388 | DEF AT local marker planktic foram increase | DEF IN 4 |
| 11599 / 11597 | DEF AT local marker planktic foram increase | DEF AT 5 |
| 11600 / 11598 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 5 |
| 11800 / 11798 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 740 | Date of Summary: 14-APR-1996 | First Sample Examined: 6020 |
| Lease Number: G13058 | Source of Paleo: OPERATOR | Borehole MD: 11800 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 11800 |
| API Well Number: 608164023800 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 6020 - 11780 | Water Depth: 936 |
| Public Info Code: Y 06-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 6020 / 6019 | DEF AT first sample examined | DEF AT |
| 6021 / 6020 | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 6830 / 6829 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT |
| 7370 / 7369 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 7730 / 7729 | DEF AT floral flood | DEF AT |
| 8360 / 8359 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 8450 / 8449 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 8540 / 8539 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus | DEF AT |
| 8990 / 8989 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large) | DEF AT |
| 9440 / 9439 | POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 9530 / 9529 | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 10250 / 10249 | DEF AT Middle Miocene (Serravallian) Discoaster kugleri | DEF AT |
| 10340 / 10339 | DEF AT floral flood | DEF AT |
| 10519 / 10517 | DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus | DEF AT |
| 10520 / 10518 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT |
| 11780 / 11778 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 741 | Date of Summary: 17-MAR-1996 | First Sample Examined: 8010 |
| Lease Number: G13057 | Source of Paleo: OPERATOR | Borehole MD: 11683 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 11100 |
| API Well Number: 608164023301 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 2 | Sample Range: 8010 - 11684 | Water Depth: 689 |
| Public Info Code: Y 06-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Clinch Mountain Prospect, calcareous nannofossil report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 8010 / 7854 | DEF AT first sample examined | DEF AT |
| 8011 / 7855 | DEF AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 8369 / 8173 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 8370 / 8174 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 9000 / 8736 | DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large) | DEF AT |
| 9628 / 9291 | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT |
| 9629 / 9292 | DEF AT Upper Miocene (Tortonian) Discoaster exilis | DEF AT |
| 9630 / 9293 | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT |
| 9720 / 9372 | DEF AT floral flood | DEF AT |
| 10619 / 10169 | DEF AT floral flood | DEF AT |
| 10620 / 10170 | DEF AT Middle Miocene (Serravallian) Discoaster kugleri | DEF AT |
| 10890 / 10408 | DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus | DEF AT |
| 11682 / 11100 | DEF AT floral flood | DEF AT |
| 11683 / 11101 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 741 | Date of Summary: 03-JUN-1996 | First Sample Examined: 8010 |
| Lease Number: G13057 | Source of Paleo: OPERATOR | Borehole MD: 11683 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 11100 |
| API Well Number: 608164023301 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 8010 - 11684 | Water Depth: 689 |
| Public Info Code: Y 06-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Clinch Mountain Prospect

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8010 / 7854 | DEF AT first sample examined | DEF AT 4 |
| 8100 / 7934 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 8160 / 7988 | DEF AT local marker benthic foram increase | DEF IN 4 |
| 8250 / 8067 | DEF AT local marker planktic foram increase | DEF AT 5 |
| 8340 / 8148 | DEF AT local marker foram increase | DEF AT 5 |
| 8580 / 8362 | POS AT Upper Miocene (Tortonian) Globorotalia siakensis | DEF AT 5 |
| 8610 / 8388 | DEF AT local marker planktic foram increase | DEF IN 5 |
| 8790 / 8549 | DEF AT - - - - - | DEF AT 4 |
| 9120 / 8842 | DEF AT - - - - - | DEF AT 3 |
| 9210 / 8922 | DEF AT - - - - - | DEF AT 4 |
| 9480 / 9160 | DEF AT Upper Miocene (Tortonian) Globorotalia siakensis | DEF IN 4 |
| 9510 / 9187 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF IN 4 |
| 9630 / 9293 | DEF AT local marker foram increase | DEF AT 5 |
| 9750 / 9399 | DEF AT limestone | DEF AT 5 |
| 9751 / 9400 | POS AT unconformity | DEF AT 5 |
| 9989 / 9611 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 5 |
| 9990 / 9612 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT 5 |
| 10170 / 9772 | DEF AT - - - - - | DEF AT 4 |
| 10440 / 10011 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 4 |
| 10620 / 10170 | DEF AT Eggerella sp. (local marker) | DEF IN 4 |
| 10830 / 10355 | DEF AT local marker benthic foram increase | DEF AT 4 |
| 10860 / 10382 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 741 | Date of Summary: 03-JUN-1996 | First Sample Examined: 8010 |
| Lease Number: G13057 | Source of Paleo: OPERATOR | Borehole MD: 11683 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 11100 |
| API Well Number: 608164023301 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 2 of 2 | Sample Range: 8010 - 11684 | Water Depth: 689 |
| Public Info Code: Y 06-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10890 / 10408 | DEF AT local marker benthic foram increase | DEF AT 5 |
| 11100 / 10593 | DEF IN Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 5 |
| 11310 / 10776 | DEF AT foram flood | DEF AT 5 |
| 11580 / 11012 | DEF AT - - - - - | DEF IN 4 |
| 11640 / 11064 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VK 780 | Date of Summary: 24-APR-1986 | First Sample Examined: 0 |
| Lease Number: G06884 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11520 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11518 |
| API Well Number: 608164009900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 867 |
| Public Info Code: Y 17-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3631 / 3631 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 4879 / 4878 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 5343 / 5341 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 9441 / 9439 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 10000 / 9998 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 11332 / 11330 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VK 783 | Date of Summary: 24-JAN-1985 | First Sample Examined: 9800 |
| Lease Number: G06886 | Source of Paleo: OPERATOR | Borehole MD: 11625 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11420 |
| API Well Number: 608164008801 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 47 |
| Paleo Report Num: 1 of 1 | Sample Range: 9800 - 11620 | Water Depth: 1387 |
| Public Info Code: Y 11-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9800 / 9673 | DEF AT first sample examined | DEF AT |
| 11000 / 10819 | DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT |
| 11620 / 11415 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VK 783 | Date of Summary: 01-OCT-1985 | First Sample Examined: 2641 |
| Lease Number: G06886 | Source of Paleo: OPERATOR | Borehole MD: 11525 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11521 |
| API Well Number: 608164009400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 2641 - 11525 | Water Depth: 1151 |
| Public Info Code: Y 01-NOV-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2641 / 2641 | DEF AT first sample examined | DEF AT 5 |
| 2887 / 2887 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 5 |
| 3748 / 3748 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 5506 / 5506 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 5752 / 5752 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 7776 / 7774 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 5 |
| 8025 / 8023 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 9295 / 9293 | DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme) | DEF AT 5 |
| 11525 / 11521 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VK 783 | Date of Summary: 01-MAR-1986 | First Sample Examined: 8009 |
| Lease Number: G06886 | Source of Paleo: OPERATOR | Borehole MD: 13594 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11998 |
| API Well Number: 608164009401 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 2 | Sample Range: 8009 - 12856 | Water Depth: 1151 |
| Public Info Code: Y 19-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 1 bypass 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8009 / 7812 | DEF AT first sample examined | DEF AT 5 |
| 8324 / 8031 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 9911 / 9153 | DEF IN Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme) | DEF AT 5 |
| 12310 / 10958 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 12720 / 11293 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 5 |
| 12856 / 11404 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: VK 783 | Date of Summary: 01-MAR-1986 | First Sample Examined: 11730 |
| Lease Number: G06886 | Source of Paleo: OPERATOR | Borehole MD: 13594 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11998 |
| API Well Number: 608164009401 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 73 |
| Paleo Report Num: 2 of 2 | Sample Range: 11730 - 13594 | Water Depth: 1151 |
| Public Info Code: Y 19-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 2 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 11730 / 10496 | DEF AT first sample examined | DEF AT 5 |
| 12400 / 11031 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 12590 / 11187 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 5 |
| 12680 / 11260 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 5 |
| 13040 / 11554 | DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis | DEF AT 5 |
| 13250 / 11723 | DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis | DEF AT 5 |
| 13500 / 11922 | DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli | DEF AT 5 |
| 13594 / 11997 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VK 783 | Date of Summary: 06-FEB-1988 | First Sample Examined: 5354 |
| Lease Number: G06886 | Source of Paleo: OPERATOR | Borehole MD: 11760 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 11759 |
| API Well Number: 608164010000 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 5354 - 11748 | Water Depth: 1505 |
| Public Info Code: Y 18-MAY-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5354 / 5354 | DEF AT first sample examined | DEF AT 5 |
| 5355 / 5355 | DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 7215 / 7215 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 5 |
| 8918 / 8918 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 9534 / 9534 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 5 |
| 11376 / 11376 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 11748 / 11747 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VK 783 | Date of Summary: 01-JUN-1989 | First Sample Examined: 7010 |
| Lease Number: G06886 | Source of Paleo: OPERATOR | Borehole MD: 10991 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 10306 |
| API Well Number: 608164013400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 7010 - 10991 | Water Depth: 1494 |
| Public Info Code: Y 10-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7010 / 7001 | DEF AT first sample examined | DEF AT 5 |
| 8000 / 7871 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 5 |
| 8990 / 8656 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 9740 / 9254 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 5 |
| 10991 / 10307 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VK 783 | Date of Summary: 01-JUN-1989 | First Sample Examined: 7010 |
| Lease Number: G06886 | Source of Paleo: OPERATOR | Borehole MD: 10400 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 10400 |
| API Well Number: 608164013401 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 7010 - 10400 | Water Depth: 1494 |
| Public Info Code: Y 31-JAN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7010 / 7010 | DEF AT first sample examined | DEF AT 5 |
| 7820 / 7820 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF AT 5 |
| 8720 / 8720 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 9200 / 9200 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 5 |
| 10249 / 10248 | POS AT reworked material | DEF AT 5 |
| 10250 / 10249 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 10400 / 10398 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: VK 825 | Date of Summary: 17-DEC-1987 | First Sample Examined: 3360 |
| Lease Number: G05778 | Source of Paleo: OPERATOR | Borehole MD: 13165 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12604 |
| API Well Number: 608164011400 | Drilling Operator: TEXACO INC | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 2 | Sample Range: 3360 - 13170 | Water Depth: 1710 |
| Public Info Code: Y 10-DEC-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3360 / 3360 | DEF AT first sample examined | DEF AT 5 |
| 3690 / 3690 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 3750 / 3750 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 5 |
| 3990 / 3990 | DEF AT - - - - - | DEF AT 4 |
| 4080 / 4080 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 4620 / 4620 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 4680 / 4680 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 4860 / 4860 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 5 |
| 5460 / 5460 | DEF AT - - - - - | DEF AT 4 |
| 5490 / 5490 | DEF AT - - - - - | DEF AT 3 |
| 5550 / 5550 | DEF AT - - - - - | DEF AT 4 |
| 5670 / 5669 | DEF AT - - - - - | DEF AT 5 |
| 5820 / 5815 | DEF AT - - - - - | DEF AT 4 |
| 6150 / 6129 | DEF AT - - - - - | DEF AT 5 |
| 6210 / 6184 | DEF AT - - - - - | DEF AT 4 |
| 6720 / 6653 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 5 |
| 7080 / 6983 | DEF AT - - - - - | DEF AT 4 |
| 7200 / 7093 | DEF AT - - - - - | DEF AT 5 |
| 7470 / 7341 | POS AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 5 |
| 7590 / 7452 | DEF AT Upper Miocene (Tortonian) Cyclamina 3 | DEF AT 5 |
| 7890 / 7728 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 8220 / 8031 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: VK 825 | Date of Summary: 17-DEC-1987 | First Sample Examined: 3360 |
| Lease Number: G05778 | Source of Paleo: OPERATOR | Borehole MD: 13165 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12604 |
| API Well Number: 608164011400 | Drilling Operator: TEXACO INC | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 2 | Sample Range: 3360 - 13170 | Water Depth: 1710 |
| Public Info Code: Y 10-DEC-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 8250 / 8058 | DEF AT ----- | DEF AT 4 |
| 8310 / 8114 | DEF AT ----- | DEF AT 5 |
| 8340 / 8141 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 5 |
| 8850 / 8608 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 5 |
| 9000 / 8746 | DEF AT ----- | DEF AT 4 |
| 9060 / 8801 | DEF AT ----- | DEF AT 5 |
| 9360 / 9077 | DEF AT ----- | DEF AT 4 |
| 9390 / 9105 | DEF AT ----- | DEF AT 5 |
| 9480 / 9188 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 5 |
| 9660 / 9355 | DEF AT ----- | DEF AT 4 |
| 9750 / 9439 | DEF AT ----- | DEF AT 5 |
| 9990 / 9661 | DEF AT ----- | DEF AT 4 |
| 10230 / 9883 | DEF AT ----- | DEF AT 5 |
| 10380 / 10021 | DEF AT ----- | DEF AT 4 |
| 11310 / 10877 | DEF AT ----- | DEF AT 5 |
| 11550 / 11099 | DEF AT ----- | DEF AT 5 |
| 11640 / 11183 | DEF AT Lower (Early) Miocene | DEF AT 5 |
| 11670 / 11211 | DEF AT Upper Oligocene (Chattian) Globigerina ciperiensis ciperiensis | DEF AT 5 |
| 11820 / 11351 | DEF IN Upper Oligocene (Chattian) Globorotalia opima opima | DEF AT 5 |
| 12030 / 11547 | DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis | DEF AT 5 |
| 12060 / 11575 | DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta | DEF AT 5 |
| 12150 / 11659 | DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri | DEF AT 5 |
| 12180 / 11687 | DEF IN Middle Eocene (Bartonian) Truncorotaloides rohri | DEF AT 5 |
| 12390 / 11884 | POS AT Lower Eocene (Ypresian) Morozovella formosa formosa | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------|-----------------------------|
| Area Block: VK 825 | Date of Summary: 17-DEC-1987 | First Sample Examined: 3360 |
| Lease Number: G05778 | Source of Paleo: OPERATOR | Borehole MD: 13165 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12604 |
| API Well Number: 608164011400 | Drilling Operator: TEXACO INC | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 2 | Sample Range: 3360 - 13170 | Water Depth: 1710 |
| Public Info Code: Y 10-DEC-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12600 / 12081 | DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis | DEF AT 5 |
| 12690 / 12166 | DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii | DEF AT 5 |
| 12810 / 12279 | DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla | DEF AT 5 |
| 12990 / 12447 | DEF AT Upper Paleocene (Thanetian) Morozovella uncinata | DEF AT 5 |
| 13110 / 12560 | DEF IN Upper Cretaceous Maastrichtian Stage | DEF IN 4 |
| 13140 / 12588 | DEF AT Upper Cretaceous Campanian Stage | DEF IN 4 |
| 13170 / | DEF AT last sample examined | DEF IN 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: VK 826 | Date of Summary: 30-MAY-1989 | First Sample Examined: 4530 |
| Lease Number: G06888 | Source of Paleo: OPERATOR | Borehole MD: 12614 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12606 |
| API Well Number: 608164014100 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 4530 - 12614 | Water Depth: 1537 |
| Public Info Code: Y 25-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4530 / 4530 | DEF AT first sample examined | DEF AT 5 |
| 4531 / 4531 | DEF IN Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 4532 / 4532 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 4560 / 4560 | DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus | DEF AT 5 |
| 5130 / 5130 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 5430 / 5430 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 5550 / 5550 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 5 |
| 5730 / 5730 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 6 |
| 5760 / 5760 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 5880 / 5880 | DEF AT pyrite | DEF AT 6 |
| 6059 / 6059 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 6060 / 6060 | DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba | DEF AT 6 |
| 6149 / 6149 | DEF AT pyrite | DEF AT 6 |
| 6150 / 6150 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 6180 / 6180 | DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 6 |
| 6570 / 6569 | DEF AT pyrite | DEF AT 6 |
| 6630 / 6629 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 6 |
| 6930 / 6929 | DEF AT Upper Miocene (Tortonian) Planulina renzi | DEF AT 6 |
| 8310 / 8309 | POS AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT 6 |
| 8550 / 8549 | POS AT Upper Miocene (Tortonian) Cyclamina 3 | DEF AT 6 |
| 9030 / 9028 | POS AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 6 |
| 9450 / 9448 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: VK 826 | Date of Summary: 30-MAY-1989 | First Sample Examined: 4530 |
| Lease Number: G06888 | Source of Paleo: OPERATOR | Borehole MD: 12614 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12606 |
| API Well Number: 608164014100 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 4530 - 12614 | Water Depth: 1537 |
| Public Info Code: Y 25-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9510 / 9508 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 6 |
| 9720 / 9717 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT 6 |
| 9750 / 9747 | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 6 |
| 9840 / 9837 | POS AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 6 |
| 10050 / 10047 | DEF AT Upper Miocene (Tortonian) Discamminoides tobleri | DEF AT 6 |
| 10350 / 10346 | DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme) | DEF AT 6 |
| 11310 / 11305 | POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 6 |
| 11370 / 11364 | DEF AT Cyclammina cancellata (local marker) | DEF AT 6 |
| 11430 / 11424 | DEF AT local marker foram decrease | DEF AT 6 |
| 12389 / 12381 | DEF AT gouge | DEF AT 6 |
| 12390 / 12382 | DEF IN Upper Eocene (Priabonian) Globorotalia pomeroli | DEF AT 6 |
| 12420 / 12412 | DEF AT foram flood | DEF AT 6 |
| 12448 / 12440 | DEF AT Middle Eocene (Bartonian) Morozovella lehneri | DEF AT 6 |
| 12449 / 12441 | DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis | DEF AT 6 |
| 12450 / 12442 | DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii | DEF AT 6 |
| 12539 / 12531 | DEF AT anhydrite | DEF AT 6 |
| 12540 / 12532 | POS AT salt | DEF AT 6 |
| 12564 / 12556 | DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides | DEF AT 6 |
| 12614 / 12606 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VK 829 | Date of Summary: 15-SEP-1994 | First Sample Examined: 0 |
| Lease Number: G10943 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12800 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12798 |
| API Well Number: 608164020100 | Drilling Operator: HESS CORPORATION | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 2649 |
| Public Info Code: Y 30-APR-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--------------------------------|----------------|
| 7800 / 7799 | POS AT Upper (Late) Miocene | DEF AT |
| 9930 / 9929 | POS AT Middle Miocene | DEF AT |
| 10800 / 10799 | POS AT Lower (Early) Miocene | DEF AT |
| 12060 / 12058 | POS IN Oligocene | DEF AT |
| 12120 / 12118 | DEF AT Middle Eocene | DEF AT |
| 12340 / 12338 | DEF AT Lower (Early) Eocene | DEF AT |
| 12760 / 12758 | DEF AT Lower (Early) Paleocene | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VK 912 | Date of Summary: 03-MAY-1989 | First Sample Examined: 4305 |
| Lease Number: G06893 | Source of Paleo: OPERATOR | Borehole MD: 13250 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13250 |
| API Well Number: 608164009000 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 4305 - 13219 | Water Depth: 2441 |
| Public Info Code: Y 13-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4305 / 4305 | DEF AT first sample examined | DEF AT 5 |
| 4306 / 4306 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 5379 / 5379 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 5751 / 5751 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 7538 / 7538 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 5 |
| 9750 / 9749 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 10585 / 10583 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 5 |
| 12280 / 12277 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 13219 / 13216 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|--------------------------|
| Area Block: VK 912 | Date of Summary: 25-SEP-1986 | First Sample Examined: 0 |
| Lease Number: G06893 | Source of Paleo: OPERATOR | Borehole MD: 13709 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 13415 |
| API Well Number: 608164010200 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 2952 |
| Public Info Code: Y 14-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10400 / 10232 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VK 956 | Date of Summary: 02-APR-1986 | First Sample Examined: 0 |
| Lease Number: G06893 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15150 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 13623 |
| API Well Number: 608164009801 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 3112 |
| Public Info Code: Y 18-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 9965 / 9961 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 4 |
| 11266 / 11061 | DEF IN Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme) | DEF AT 4 |
| 13064 / 12291 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|--------------------------|
| Area Block: VK 956 | Date of Summary: 26-AUG-1990 | First Sample Examined: 0 |
| Lease Number: G06896 | Source of Paleo: OPERATOR | Borehole MD: 12860 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12858 |
| API Well Number: 608164009800 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 48 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 3112 |
| Public Info Code: Y 31-JAN-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5845 / 5845 | DEF AT first sample examined | DEF AT 5 |
| 5846 / 5846 | DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 6240 / 6240 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 10048 / 10047 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 5 |
| 11140 / 11139 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 5 |
| 12480 / 12478 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 5 |
| 12851 / 12849 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VK 956 | Date of Summary: 15-MAY-1987 | First Sample Examined: 5560 |
| Lease Number: G06896 | Source of Paleo: OPERATOR | Borehole MD: 13600 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 13598 |
| API Well Number: 608164010700 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 5560 - 13600 | Water Depth: 3553 |
| Public Info Code: Y 30-MAY-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Paleo determined by correlation

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 5560 / 5560 | DEF AT first sample examined | POS AT 4 |
| 5561 / 5561 | DEF AT cement | POS AT 4 |
| 5680 / 5680 | DEF AT - - - - - | DEF AT 4 |
| 5770 / 5770 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 6100 / 6100 | DEF AT - - - - - | DEF AT 5 |
| 6460 / 6460 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 5 |
| 6730 / 6730 | DEF AT cement | POS AT 5 |
| 6970 / 6970 | DEF AT - - - - - | DEF AT 4 |
| 7090 / 7090 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 4 |
| 8020 / 8019 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 9100 / 9099 | DEF AT - - - - - | DEF AT 3 |
| 9850 / 9849 | DEF AT - - - - - | DEF AT 4 |
| 10090 / 10089 | POS AT Upper Miocene (Tortonian) Cyclamina 3 | DEF AT 4 |
| 10270 / 10269 | DEF AT local marker (general) | DEF AT 4 |
| 11850 / 11849 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 13100 / 13098 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 4 |
| 13600 / 13598 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VK 957 | Date of Summary: 16-JUN-1989 | First Sample Examined: 5438 |
| Lease Number: G08475 | Source of Paleo: OPERATOR | Borehole MD: 14533 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13397 |
| API Well Number: 608164013500 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 5438 - 14535 | Water Depth: 3492 |
| Public Info Code: Y 19-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5438 / 5438 | DEF AT first sample examined | DEF AT 4 |
| 5888 / 5888 | POS IN Pliocene | DEF AT 4 |
| 6278 / 6278 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 7010 / 7010 | DEF AT ----- | DEF AT 5 |
| 7220 / 7220 | DEF AT ----- | DEF AT 3 |
| 7790 / 7790 | DEF AT ----- | DEF AT 5 |
| 8450 / 8450 | DEF AT ----- | DEF AT 3 |
| 8900 / 8900 | POS AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 3 |
| 9440 / 9440 | DEF AT Upper (Late) Miocene | DEF AT 3 |
| 9710 / 9709 | DEF AT ----- | DEF AT 4 |
| 10820 / 10730 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 11120 / 10961 | DEF AT ----- | DEF AT 5 |
| 11360 / 11131 | DEF AT ----- | DEF AT 4 |
| 11630 / 11319 | POS AT Middle Miocene | DEF AT 4 |
| 14535 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: VK 957 | Date of Summary: 27-NOV-1990 | First Sample Examined: 12480 |
| Lease Number: G08475 | Source of Paleo: OPERATOR | Borehole MD: 14077 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13100 |
| API Well Number: 608164013501 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 46 |
| Paleo Report Num: 1 of 1 | Sample Range: 12480 - 14090 | Water Depth: 3500 |
| Public Info Code: Y 19-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12480 / 11836 | DEF AT first sample examined | DEF AT |
| 12990 / 12197 | DEF AT Middle Miocene (Serravallian) Discoaster kugleri | DEF AT |
| 14090 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 989 | Date of Summary: 19-FEB-1986 | First Sample Examined: 2610 |
| Lease Number: G06898 | Source of Paleo: OPERATOR | Borehole MD: 10277 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10270 |
| API Well Number: 608164009500 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 2610 - 10279 | Water Depth: 1255 |
| Public Info Code: Y 16-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 2610 / 2610 | DEF AT first sample examined | POS AT 5 |
| 2611 / 2611 | DEF AT cement | POS AT 5 |
| 3210 / 3210 | DEF AT - - - - - | DEF AT 5 |
| 3570 / 3570 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 3720 / 3720 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 4020 / 4020 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 4320 / 4320 | DEF AT - - - - - | DEF AT 4 |
| 6900 / 6900 | DEF AT - - - - - | DEF AT 5 |
| 7470 / 7469 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 5 |
| 7500 / 7499 | DEF AT - - - - - | DEF AT 6 |
| 7800 / 7799 | DEF AT - - - - - | DEF AT 5 |
| 7920 / 7919 | DEF AT cement | DEF AT |
| 8280 / 8278 | DEF AT - - - - - | DEF AT 5 |
| 8520 / 8518 | DEF AT - - - - - | DEF AT 6 |
| 10080 / 10074 | POS AT Upper (Late) Miocene | DEF AT 6 |
| 10258 / 10251 | POS AT reworked material | DEF AT 6 |
| 10259 / 10252 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 6 |
| 10260 / 10253 | POS AT salt | DEF AT 6 |
| 10277 / 10270 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 989 | Date of Summary: 17-JUN-1987 | First Sample Examined: 2580 |
| Lease Number: G06898 | Source of Paleo: OPERATOR | Borehole MD: 9813 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9506 |
| API Well Number: 608164011100 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 2580 - 9813 | Water Depth: 1250 |
| Public Info Code: Y 03-JUL-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 2580 / 2580 | DEF AT first sample examined | DEF AT 4 |
| 2581 / 2581 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 2760 / 2760 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 3390 / 3390 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 3540 / 3540 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 4 |
| 3600 / 3600 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 3970 / 3970 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 6150 / 6147 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | POS AT 4 |
| 6180 / 6177 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | POS AT 4 |
| 6900 / 6864 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 7740 / 7642 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 8010 / 7889 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 4 |
| 8820 / 8622 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT 4 |
| 9780 / 9478 | DEF AT Oligocene | DEF AT 5 |
| 9813 / 9508 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 989 | Date of Summary: 25-JAN-1990 | First Sample Examined: 2600 |
| Lease Number: G06898 | Source of Paleo: OPERATOR | Borehole MD: 9183 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 9183 |
| API Well Number: 608164011200 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 2600 - 9170 | Water Depth: 1230 |
| Public Info Code: Y 09-SEP-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Per phone conversation with Terry McNan of Sohio

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2600 / 2600 | DEF AT first sample examined | DEF AT |
| 2630 / 2630 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3320 / 3320 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 3500 / 3500 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 3530 / 3530 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 3800 / 3800 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 3830 / 3830 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 5840 / 5840 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT |
| 5870 / 5870 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 6170 / 6170 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 7190 / 7190 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |
| 9170 / 9169 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VK 989 | Date of Summary: 08-MAY-1989 | First Sample Examined: 2475 |
| Lease Number: G06898 | Source of Paleo: OPERATOR | Borehole MD: 7250 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 6975 |
| API Well Number: 608164013600 | Drilling Operator: BP OIL CORPORATION | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 2475 - 7250 | Water Depth: 1190 |
| Public Info Code: Y 08-MAR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 2475 / 2475 | DEF AT first sample examined | DEF AT 4 |
| 2650 / 2650 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT 4 |
| 2830 / 2830 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 3450 / 3450 | DEF AT - - - - - | DEF AT 4 |
| 3510 / 3510 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 3610 / 3610 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT 4 |
| 3670 / 3670 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 4 |
| 3700 / 3700 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT 4 |
| 3970 / 3970 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 4210 / 4210 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT 4 |
| 4810 / 4810 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme) | DEF AT 4 |
| 5710 / 5703 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 5800 / 5790 | POS AT - - - - - | DEF AT 3 |
| 6070 / 6041 | DEF AT - - - - - | DEF AT 4 |
| 6730 / 6587 | POS AT - - - - - | DEF AT 4 |
| 6760 / 6610 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 7250 / 6982 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VK 989 | Date of Summary: 08-MAY-1989 | First Sample Examined: 5200 |
| Lease Number: G06898 | Source of Paleo: OPERATOR | Borehole MD: 9570 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 9271 |
| API Well Number: 608164013601 | Drilling Operator: BP OIL CORPORATION | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 5200 - 9570 | Water Depth: 1190 |
| Public Info Code: Y 04-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 5200 / 5200 | DEF AT first sample examined | DEF AT 4 |
| 5201 / 5201 | DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 4 |
| 5202 / 5202 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 5760 / 5756 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 4 |
| 5910 / 5902 | DEF AT ----- | DEF AT 3 |
| 6180 / 6161 | DEF AT ----- | DEF AT 4 |
| 6360 / 6331 | DEF AT ----- | DEF AT 3 |
| 6390 / 6359 | DEF AT ----- | DEF AT 4 |
| 6540 / 6495 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 4 |
| 6630 / 6573 | DEF AT ----- | DEF AT 3 |
| 8040 / 7766 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 3 |
| 9570 / 9270 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VK 990 | Date of Summary: 15-AUG-1985 | First Sample Examined: 3180 |
| Lease Number: G06899 | Source of Paleo: OPERATOR | Borehole MD: 7736 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7734 |
| API Well Number: 608164009100 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 3180 - 7730 | Water Depth: 1325 |
| Public Info Code: Y 27-MAY-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 3180 / 3180 | DEF AT first sample examined | POS AT 4 |
| 3260 / 3259 | DEF AT - - - - - | DEF AT 4 |
| 3450 / 3449 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 3660 / 3659 | DEF AT - - - - - | DEF AT 2 |
| 3720 / 3719 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 2 |
| 3721 / 3720 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 2 |
| 3990 / 3989 | DEF AT - - - - - | DEF AT 3 |
| 4140 / 4139 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 4200 / 4199 | DEF AT - - - - - | DEF AT 2 |
| 4500 / 4499 | DEF AT - - - - - | DEF AT 3 |
| 5430 / 5429 | DEF AT reworked material | DEF AT 3 |
| 5820 / 5819 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 3 |
| 6570 / 6569 | DEF AT - - - - - | DEF AT 4 |
| 7230 / 7229 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 7730 / 7729 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--------------------------------------|-----------------------------|
| Area Block: VK 993 | Date of Summary: 06-FEB-2003 | First Sample Examined: 3830 |
| Lease Number: G12125 | Source of Paleo: OPERATOR | Borehole MD: 14384 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13677 |
| API Well Number: 608164019500 | Drilling Operator: TOTAL E&P USA INC | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 2 | Sample Range: 3830 - 14384 | Water Depth: 2118 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3830 / 3830 | DEF AT first sample examined | DEF AT |
| 3831 / 3831 | DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica | DEF AT |
| 3890 / 3890 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT |
| 4010 / 4010 | DEF AT local marker foram increase | DEF AT |
| 4609 / 4609 | DEF AT reworked material | DEF AT |
| 4610 / 4610 | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 4910 / 4910 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 5870 / 5831 | POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT |
| 5900 / 5858 | POS IN Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |
| 5930 / 5885 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 6110 / 6044 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 7010 / 6833 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |
| 7070 / 6886 | POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT |
| 9530 / 9061 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11210 / 10587 | DEF AT Upper Miocene (Tortonian) Cyclamina 3 | DEF AT |
| 11810 / 11156 | POS AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT |
| 11990 / 11328 | DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis | DEF AT |
| 12410 / 11729 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT |
| 12710 / 12018 | DEF AT Upper Miocene (Tortonian) Cibicides crebbsi | DEF AT |
| 13850 / 13142 | DEF IN Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme) | DEF AT |
| 14150 / 13440 | DEF AT reworked material | DEF AT |
| 14270 / 13559 | DEF AT reworked material | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--------------------------------------|-----------------------------|
| Area Block: VK 993 | Date of Summary: 06-FEB-2003 | First Sample Examined: 3830 |
| Lease Number: G12125 | Source of Paleo: OPERATOR | Borehole MD: 14384 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13677 |
| API Well Number: 608164019500 | Drilling Operator: TOTAL E&P USA INC | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 2 | Sample Range: 3830 - 14384 | Water Depth: 2118 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14271 / 13560 | POS AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT |
| 14384 / 13673 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--------------------------------------|-----------------------------|
| Area Block: VK 993 | Date of Summary: 06-FEB-2003 | First Sample Examined: 3830 |
| Lease Number: G12125 | Source of Paleo: OPERATOR | Borehole MD: 14384 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13677 |
| API Well Number: 608164019500 | Drilling Operator: TOTAL E&P USA INC | Rkb Elevation: 75 |
| Paleo Report Num: 2 of 2 | Sample Range: 3830 - 14384 | Water Depth: 2118 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report, 6770=better development of Dictyococcites productus

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3830 / 3830 | DEF AT first sample examined | DEF AT |
| 3831 / 3831 | DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 4910 / 4910 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 5990 / 5938 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 6710 / 6571 | DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus | DEF AT |
| 6770 / 6624 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 7040 / 6860 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 7250 / 7045 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT |
| 8870 / 8482 | POS AT Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 9740 / 9248 | POS IN Upper Miocene (Tortonian) Discoaster loeblichii | DEF AT |
| 11420 / 10786 | DEF AT Upper Miocene (Tortonian) Catinaster mexicanus | DEF AT |
| 11840 / 11184 | POS AT Upper Miocene (Tortonian) Minylitha convallis | DEF AT |
| 11960 / 11299 | DEF AT Upper Miocene (Tortonian) Discoaster bellus | DEF AT |
| 12050 / 11385 | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus | DEF AT |
| 12320 / 11643 | POS AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT |
| 14330 / 13619 | POS AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT |
| 14384 / 13673 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: VR 17 | Date of Summary: 12-APR-1985 | First Sample Examined: 0 |
| Lease Number: G05218 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 19000 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 19000 |
| API Well Number: 177054065800 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 24 |
| Public Info Code: Y 10-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8215 / | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 10100 / | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 11838 / | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 14292 / | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 17132 / | POS IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 17 | Date of Summary: 22-NOV-1988 | First Sample Examined: 0 |
| Lease Number: G05218 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15500 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 15500 |
| API Well Number: 177054080400 | Drilling Operator: CLIFFS DRILLING COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 25 |
| Public Info Code: Y 10-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12985 / | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: VR 17 | Date of Summary: 12-SEP-1983 | First Sample Examined: 0 |
| Lease Number: G05218 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17007 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 17002 |
| API Well Number: 177054058100 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 25 |
| Public Info Code: Y 10-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 6680 / 6679 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8710 / 8709 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 10060 / 10059 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 11735 / 11734 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 14470 / 14468 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|------------------------------|
| Area Block: VR 24 | Date of Summary: 22-JAN-1999 | First Sample Examined: 16198 |
| Lease Number: G03543 | Source of Paleo: OPERATOR | Borehole MD: 18683 |
| Well Name: 008 | Paleo Done By: OPERATOR | Borehole TVD: 18683 |
| API Well Number: 177054060200 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 16198 - 18681 | Water Depth: 28 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 16198 / | DEF AT first sample examined | DEF AT 1 |
| 17100 / | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 17270 / | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 17500 / | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 17620 / | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 17960 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 1 |
| 18000 / | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 18160 / | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 18430 / | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 18681 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 30 | Date of Summary: 07-MAR-1997 | First Sample Examined: 0 |
| Lease Number: G04785 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13041 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 13041 |
| API Well Number: 177054061800 | Drilling Operator: TEXACO INC | Rkb Elevation: 43 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 15 |
| Public Info Code: Y 30-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8650 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 10080 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 10350 / | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 11220 / | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: VR 34 | Date of Summary: 29-FEB-1996 | First Sample Examined: 0 |
| Lease Number: G13876 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11800 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11798 |
| API Well Number: 177054100600 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 132 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 28 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6915 / 6915 | DEF IN Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |
| 7418 / 7418 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8625 / 8624 | POS IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 10770 / 10769 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: VR 38 | Date of Summary: 08-DEC-1999 | First Sample Examined: 0 |
| Lease Number: 00204 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10615 |
| Well Name: K001 | Paleo Done By: OPERATOR | Borehole TVD: 10614 |
| API Well Number: 177054072100 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 36 |
| Public Info Code: Y 23-JAN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 5490 / | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 6572 / | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7922 / | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 8356 / | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 8991 / | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 10186 / | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 10469 / | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: VR 38 | Date of Summary: 06-JAN-1986 | First Sample Examined: 0 |
| Lease Number: 00204 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11070 |
| Well Name: M001 | Paleo Done By: OPERATOR | Borehole TVD: 11066 |
| API Well Number: 177054071500 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 39 |
| Public Info Code: Y 12-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 6044 / | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6487 / | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7800 / | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 8225 / | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 8848 / | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 10322 / | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 38 | Date of Summary: 22-AUG-1990 | First Sample Examined: 7000 |
| Lease Number: 00205 | Source of Paleo: OPERATOR | Borehole MD: 18025 |
| Well Name: 012 | Paleo Done By: OPERATOR | Borehole TVD: 17995 |
| API Well Number: 177054079800 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 122 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 18020 | Water Depth: 38 |
| Public Info Code: Y 17-FEB-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 7000 / 6999 | DEF AT first sample examined | DEF AT 1 |
| 7480 / 7479 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 2 |
| 7570 / 7569 | DEF AT sample gap top | POS AT 2 |
| 12359 / 12354 | DEF AT sample gap bottom | DEF AT 2 |
| 12360 / 12355 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 12720 / 12715 | DEF AT - - - - - | DEF AT 1 |
| 12930 / 12925 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 13200 / 13195 | DEF AT sample gap top | POS AT 3 |
| 13900 / 13895 | DEF AT sample gap bottom | DEF AT 3 |
| 14590 / 14585 | DEF AT - - - - - | DEF AT 1 |
| 15100 / 15095 | DEF AT - - - - - | DEF AT 3 |
| 17890 / 17863 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 3 |
| 18020 / 17990 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: VR 42 | Date of Summary: 12-JAN-1996 | First Sample Examined: 0 |
| Lease Number: 00208 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13000 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 12989 |
| API Well Number: 177054099900 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 20-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6120 / 6120 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 6803 / 6803 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7185 / 7185 | DEF IN Upper Miocene (Tortonian) Robulus 15 | DEF AT |
| 8113 / 8113 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 8607 / 8607 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 9233 / 9233 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 9993 / 9992 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 10515 / 10514 | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 10923 / 10922 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: VR 42 | Date of Summary: 16-NOV-1992 | First Sample Examined: 0 |
| Lease Number: 00208 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11235 |
| Well Name: L001 | Paleo Done By: OPERATOR | Borehole TVD: 10718 |
| API Well Number: 177054076700 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 20-NOV-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10602 / 10140 | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 11108 / 10602 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 46 | Date of Summary: 27-JUN-1988 | First Sample Examined: 0 |
| Lease Number: 00079 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16290 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 16290 |
| API Well Number: 177054078000 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 128 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 30 |
| Public Info Code: Y 09-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 6100 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 6490 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 7710 / | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT |
| 8470 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 9210 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 9730 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 10150 / | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 10780 / | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 12620 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 14310 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 58 | Date of Summary: 16-MAY-1984 | First Sample Examined: 3530 |
| Lease Number: G03546 | Source of Paleo: OPERATOR | Borehole MD: 9968 |
| Well Name: 009 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9286 |
| API Well Number: 177054063900 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 3530 - 9980 | Water Depth: 30 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3530 / 3454 | DEF AT first sample examined | DEF AT 2 |
| 7190 / 6743 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 7580 / 7096 | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 3 |
| 8360 / 7803 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 9410 / 8770 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 9980 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 71 | Date of Summary: 03-DEC-1996 | First Sample Examined: 0 |
| Lease Number: G14396 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10637 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10182 |
| API Well Number: 177054103900 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 22 |
| Public Info Code: Y 31-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6860 / 6860 | POS AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 8900 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 10280 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 86 | Date of Summary: 12-JAN-1995 | First Sample Examined: 0 |
| Lease Number: G14400 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11176 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11176 |
| API Well Number: 177054097000 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 45 |
| Public Info Code: Y 06-NOV-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7420 / 7420 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 10095 / 10094 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 87 | Date of Summary: 02-AUG-1993 | First Sample Examined: 0 |
| Lease Number: G10652 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10725 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10725 |
| API Well Number: 177054092500 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 21 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5460 / 5460 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 6630 / 6630 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 7230 / 7230 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 8490 / 8490 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 9030 / 9030 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 10665 / 10665 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 88 | Date of Summary: 26-SEP-1989 | First Sample Examined: 6700 |
| Lease Number: G10653 | Source of Paleo: OPERATOR | Borehole MD: 10150 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10149 |
| API Well Number: 177054083300 | Drilling Operator: COCKRELL OIL CORPORATION | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 1 | Sample Range: 6700 - 10150 | Water Depth: 21 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 6700 / | DEF AT first sample examined | DEF IN 2 |
| 7420 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 2 |
| 7450 / | DEF AT - - - - - | DEF AT 3 |
| 7960 / | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 3 |
| 9220 / | DEF AT - - - - - | DEF AT 4 |
| 9340 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 10120 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 10150 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 90 | Date of Summary: 08-FEB-1990 | First Sample Examined: 4000 |
| Lease Number: G10655 | Source of Paleo: OPERATOR | Borehole MD: 11384 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11384 |
| API Well Number: 177054084600 | Drilling Operator: ADOBE OIL & GAS CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 11380 | Water Depth: 20 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 4000 / | DEF AT first sample examined | DEF IN 1 |
| 4060 / | DEF AT - - - - - | DEF AT 2 |
| 6820 / | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 7510 / | POS AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 2 |
| 7750 / | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 8260 / | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 2 |
| 9160 / | DEF AT - - - - - | DEF AT 3 |
| 9610 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 11380 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 95 | Date of Summary: 04-AUG-1988 | First Sample Examined: 4000 |
| Lease Number: G05408 | Source of Paleo: OPERATOR | Borehole MD: 19902 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19902 |
| API Well Number: 177054079300 | Drilling Operator: PETROFINA DELAWARE INCORPORATE | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 19903 | Water Depth: 17 |
| Public Info Code: Y 10-AUG-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 4000 / 4000 | DEF AT first sample examined | DEF IN 1 |
| 6340 / 6340 | DEF AT - - - - - | DEF AT 2 |
| 7720 / 7720 | DEF AT - - - - - | DEF AT 3 |
| 7750 / 7750 | POS AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 8350 / 8341 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 9040 / 9031 | DEF AT - - - - - | DEF AT 4 |
| 9730 / 9721 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 4 |
| 10540 / 10531 | DEF AT sample gap top | POS AT 4 |
| 10990 / 10981 | DEF AT sample gap bottom | DEF AT 4 |
| 11620 / 11611 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 12790 / 12781 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 13780 / 13771 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 13900 / 13891 | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT 4 |
| 14950 / 14941 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 5 |
| 15010 / 15001 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 5 |
| 15190 / 15181 | DEF AT - - - - - | DEF AT 6 |
| 15880 / 15871 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 5 |
| 16900 / 16882 | DEF AT - - - - - | DEF AT 6 |
| 19903 / | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 95 | Date of Summary: 31-MAR-1993 | First Sample Examined: 0 |
| Lease Number: G05408 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11128 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 11113 |
| API Well Number: 177054078700 | Drilling Operator: HOUSTON EXPLORATION COMPANY | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 31 |
| Public Info Code: Y 18-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8615 / 8603 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 101 | Date of Summary: 20-JUL-1990 | First Sample Examined: 0 |
| Lease Number: G10658 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9840 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9725 |
| API Well Number: 177054085700 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 65 |
| Public Info Code: Y 31-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5120 / 5120 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 7670 / 7631 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 8390 / 8333 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 9620 / 9518 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 101 | Date of Summary: 13-OCT-1997 | First Sample Examined: 0 |
| Lease Number: G10658 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10369 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 10217 |
| API Well Number: 177054085100 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 65 |
| Public Info Code: Y 31-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 5880 / 5769 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 7590 / 7441 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 7830 / 7680 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 8460 / 8308 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 9030 / 8878 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 9910 / 9758 | DEF AT gouge | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 103 | Date of Summary: 02-MAR-1992 | First Sample Examined: 0 |
| Lease Number: G01954 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7920 |
| Well Name: B006 | Paleo Done By: OPERATOR | Borehole TVD: 7500 |
| API Well Number: 177054090000 | Drilling Operator: LLECO HOLDINGS INC. | Rkb Elevation: 126 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 66 |
| Public Info Code: Y 19-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6760 / 6561 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 107 | Date of Summary: 02-APR-1985 | First Sample Examined: 1000 |
| Lease Number: G05411 | Source of Paleo: OPERATOR | Borehole MD: 9400 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9400 |
| API Well Number: 177054068800 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 9400 | Water Depth: 56 |
| Public Info Code: Y 21-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 1000 / 1000 | DEF AT first sample examined | DEF AT 0 |
| 1001 / 1001 | DEF IN non-marine sediment | DEF AT 0 |
| 2160 / 2160 | DEF AT shell fragments | DEF AT 1 |
| 3700 / 3700 | DEF AT local marker benthic foram increase | DEF AT 1 |
| 4000 / 4000 | DEF AT local marker foram decrease | DEF AT 1 |
| 5790 / 5789 | POS AT Lower Pliocene (Zanclian) <i>Buccella (Eponides) hannai</i> (acme) | DEF AT 1 |
| 5791 / 5790 | POS AT Lower Pliocene (Zanclian) <i>Buliminella</i> 1 | DEF AT 1 |
| 6870 / 6869 | POS AT Lower Pliocene (Zanclian) <i>Sigmoilina "P" / cf. schlumbergeri</i> | DEF AT 2 |
| 7080 / 7079 | POS AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i> | DEF AT 2 |
| 7110 / 7109 | DEF AT - - - - - | DEF AT 1 |
| 7710 / 7708 | POS AT Upper Miocene (Messinian) <i>Textularia "X"</i> | DEF AT 2 |
| 7890 / 7888 | DEF AT - - - - - | DEF AT 1 |
| 8220 / 8218 | DEF AT - - - - - | DEF AT 2 |
| 8400 / 8398 | POS AT Upper Miocene (Messinian) <i>Bolivina denticulata</i> | DEF AT 2 |
| 8580 / 8578 | POS AT Upper Miocene (Tortonian) <i>Textularia</i> 6 | DEF AT 2 |
| 8850 / 8848 | DEF IN Upper Miocene (Tortonian) <i>Textularia</i> 6 | DEF AT 2 |
| 8940 / 8938 | DEF AT - - - - - | DEF AT 1 |
| 9270 / | DEF AT - - - - - | DEF AT 2 |
| 9400 / | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 109 | Date of Summary: 27-DEC-1984 | First Sample Examined: 1120 |
| Lease Number: G06663 | Source of Paleo: OPERATOR | Borehole MD: 9000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9000 |
| API Well Number: 177054067800 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 1120 - 9000 | Water Depth: 32 |
| Public Info Code: Y 14-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 1120 / | DEF AT first sample examined | DEF IN 1 |
| 6070 / | DEF AT - - - - - | DEF AT 2 |
| 6100 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 7990 / | DEF AT - - - - - | DEF AT 3 |
| 8020 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 9000 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 109 | Date of Summary: 06-APR-1985 | First Sample Examined: 4000 |
| Lease Number: G06663 | Source of Paleo: OPERATOR | Borehole MD: 12865 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12865 |
| API Well Number: 177054068200 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 12865 | Water Depth: 42 |
| Public Info Code: Y 14-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 4000 / | DEF AT first sample examined | DEF IN 1 |
| 6130 / | DEF AT - - - - - | DEF AT 2 |
| 6400 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 7810 / | DEF AT - - - - - | DEF AT 3 |
| 8020 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 8890 / | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT 3 |
| 10360 / | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 11410 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 12520 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 12865 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 109 | Date of Summary: 12-JUN-1985 | First Sample Examined: 5500 |
| Lease Number: G06663 | Source of Paleo: OPERATOR | Borehole MD: 13835 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12798 |
| API Well Number: 177054069400 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 5500 - 13835 | Water Depth: 42 |
| Public Info Code: Y 14-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 5500 / 5304 | DEF AT first sample examined | DEF IN 1 |
| 5830 / 5607 | DEF AT - - - - - | DEF AT 2 |
| 6496 / 6220 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 8320 / 7842 | DEF AT - - - - - | DEF AT 3 |
| 8410 / 7921 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 9580 / 8953 | DEF AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT 3 |
| 10420 / 9709 | DEF AT - - - - - | DEF AT 4 |
| 10900 / 10143 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 11740 / 10904 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 11920 / 11066 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 13835 / 12798 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 109 | Date of Summary: 01-MAY-1986 | First Sample Examined: 7990 |
| Lease Number: G06663 | Source of Paleo: OPERATOR | Borehole MD: 16375 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14395 |
| API Well Number: 177054072200 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 2 | Sample Range: 7990 - 13180 | Water Depth: 42 |
| Public Info Code: Y 14-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: 9310=Siphogenerina lamellata

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 7990 / 7989 | DEF AT first sample examined | DEF AT 2 |
| 7991 / 7990 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 8020 / 8019 | DEF AT - - - - - | DEF AT 3 |
| 8140 / 8139 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 9310 / 9292 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 10240 / 10133 | DEF AT - - - - - | DEF AT 4 |
| 10270 / 10158 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 10990 / 10696 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 13150 / 12193 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 4 |
| 13180 / 12213 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: VR 109 | Date of Summary: 01-MAY-1986 | First Sample Examined: 12880 |
| Lease Number: G06663 | Source of Paleo: OPERATOR | Borehole MD: 16375 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14395 |
| API Well Number: 177054072200 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 87 |
| Paleo Report Num: 2 of 2 | Sample Range: 12880 - 16375 | Water Depth: 42 |
| Public Info Code: Y 14-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12880 / 12007 | DEF AT first sample examined | DEF IN 4 |
| 13180 / 12213 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF IN 4 |
| 16240 / 14275 | DEF AT - - - - | DEF AT 5 |
| 16375 / 14395 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 114 | Date of Summary: 30-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G05191 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11900 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 11898 |
| API Well Number: 177054059000 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 43 |
| Public Info Code: Y 14-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11340 / | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 115 | Date of Summary: 01-JUN-1988 | First Sample Examined: 5700 |
| Lease Number: G05192 | Source of Paleo: OPERATOR | Borehole MD: 11535 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11352 |
| API Well Number: 177054079101 | Drilling Operator: CONQUEST EXPLORATION COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 5700 - 11520 | Water Depth: 60 |
| Public Info Code: Y 07-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5700 / 5623 | DEF AT first sample examined | DEF IN 2 |
| 6150 / 6045 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 2 |
| 7200 / 7042 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF IN 2 |
| 8850 / 8670 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 9850 / 9669 | POS AT - - - - - | POS AT 4 |
| 10230 / 10049 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | POS AT 4 |
| 11130 / 10948 | DEF AT local marker foram increase | POS AT 4 |
| 11520 / 11337 | DEF AT last sample examined | POS AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 115 | Date of Summary: 21-SEP-1995 | First Sample Examined: 0 |
| Lease Number: G05192 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11510 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 10809 |
| API Well Number: 177054098000 | Drilling Operator: AMERICAN EXPLORATION COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 55 |
| Public Info Code: Y 07-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11354 / 10659 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 117 | Date of Summary: 17-JAN-1991 | First Sample Examined: 0 |
| Lease Number: G05415 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9087 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 6473 |
| API Well Number: 177054081900 | Drilling Operator: ENERGY DEVELOPMENT CORPORATION | Rkb Elevation: 120 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 66 |
| Public Info Code: Y 21-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8740 / 6266 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|-----------------------------|
| Area Block: VR 119 | Date of Summary: 10-OCT-1996 | First Sample Examined: 9020 |
| Lease Number: 00487 | Source of Paleo: OPERATOR | Borehole MD: 12580 |
| Well Name: G008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11419 |
| API Well Number: 177054102500 | Drilling Operator: MERIDIAN OIL INC | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 2 | Sample Range: 9020 - 11140 | Water Depth: 69 |
| Public Info Code: Y 28-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9020 / 8703 | DEF AT first sample examined | DEF AT 2 |
| 9260 / 8904 | DEF AT - - - - - | DEF AT 3 |
| 10030 / 9520 | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 10840 / 10160 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 11140 / 10396 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|-------------------------------------|------------------------------|
| Area Block: VR 119 | Date of Summary: 10-OCT-1996 | First Sample Examined: 11200 |
| Lease Number: 00487 | Source of Paleo: OPERATOR | Borehole MD: 12580 |
| Well Name: G008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11419 |
| API Well Number: 177054102500 | Drilling Operator: MERIDIAN OIL INC | Rkb Elevation: 110 |
| Paleo Report Num: 2 of 2 | Sample Range: 11200 - 12580 | Water Depth: 69 |
| Public Info Code: Y 28-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 2 report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 11200 / 10443 | DEF AT first sample examined | DEF AT 3 |
| 12580 / 11419 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 122 | Date of Summary: 07-APR-1981 | First Sample Examined: 0 |
| Lease Number: G03807 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12620 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 12620 |
| API Well Number: 177054036400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 74 |
| Public Info Code: Y 10-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8050 / | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 9746 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 122 | Date of Summary: 25-JUN-1982 | First Sample Examined: 0 |
| Lease Number: G03807 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12256 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 11300 |
| API Well Number: 177054052100 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 10-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7450 / 6860 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 8630 / 7954 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 11300 / 10413 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 11660 / 10742 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 122 | Date of Summary: 12-SEP-1983 | First Sample Examined: 0 |
| Lease Number: G03807 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12751 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 11676 |
| API Well Number: 177054053300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 74 |
| Public Info Code: Y 10-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10324 / 9761 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 11740 / 10897 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 12458 / 11455 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: VR 122 | Date of Summary: 21-OCT-1983 | First Sample Examined: 0 |
| Lease Number: G03807 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12751 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 11676 |
| API Well Number: 177054053300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 109 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 74 |
| Public Info Code: Y 10-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10319 / 9757 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 11661 / 10834 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 12445 / 11445 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 123 | Date of Summary: 20-JAN-1997 | First Sample Examined: 8490 |
| Lease Number: G12865 | Source of Paleo: OPERATOR | Borehole MD: 15000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14540 |
| API Well Number: 177054101900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 8490 - 15000 | Water Depth: 72 |
| Public Info Code: Y 22-APR-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 8490 / 8488 | DEF AT first sample examined | POS AT 2 |
| 8820 / 8818 | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 2 |
| 9660 / 9623 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT 3 |
| 10530 / 10404 | DEF IN Upper Miocene (Tortonian) Discoaster bergrenii (variety) | DEF AT 3 |
| 10740 / 10591 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 12240 / 11952 | DEF IN Upper Miocene (Tortonian) Minylitha convallis | DEF AT 3 |
| 14370 / 13936 | POS IN Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 3 |
| 14822 / 14368 | DEF AT Upper Miocene (Tortonian) Discoaster bollii | DEF AT 3 |
| 15000 / 14539 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 124 | Date of Summary: 24-OCT-1985 | First Sample Examined: 0 |
| Lease Number: 00487 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10575 |
| Well Name: H008 | Paleo Done By: OPERATOR | Borehole TVD: 9555 |
| API Well Number: 177054070000 | Drilling Operator: CONOCO INC | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 73 |
| Public Info Code: Y 27-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6700 / 6002 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 124 | Date of Summary: 25-NOV-1985 | First Sample Examined: 0 |
| Lease Number: 00487 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8276 |
| Well Name: H009 | Paleo Done By: OPERATOR | Borehole TVD: 7361 |
| API Well Number: 177054070600 | Drilling Operator: CONOCO INC | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 73 |
| Public Info Code: Y 05-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6300 / 5877 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 124 | Date of Summary: 18-MAY-1989 | First Sample Examined: 0 |
| Lease Number: 00495 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9050 |
| Well Name: I002 | Paleo Done By: OPERATOR | Borehole TVD: 8738 |
| API Well Number: 177054081400 | Drilling Operator: CONOCO INC | Rkb Elevation: 122 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 26-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7110 / 6842 | DEF AT Cyclammia sp. (local marker) | DEF AT |
| 8340 / 8036 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 8940 / 8629 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 124 | Date of Summary: 29-OCT-1996 | First Sample Examined: 5970 |
| Lease Number: G12865 | Source of Paleo: OPERATOR | Borehole MD: 11900 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11326 |
| API Well Number: 177054103400 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 120 |
| Paleo Report Num: 1 of 1 | Sample Range: 5970 - 11910 | Water Depth: 75 |
| Public Info Code: Y 22-APR-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5970 / 5968 | DEF AT first sample examined | DEF AT 2 |
| 6150 / 6147 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 6870 / 6866 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 2 |
| 7230 / 7225 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 7469 / 7462 | DEF AT out-of-place section | DEF AT 3 |
| 7470 / 7463 | POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva | DEF AT 3 |
| 7500 / 7492 | DEF AT Cyclamina cancellata (local marker) | DEF AT 4 |
| 7560 / 7551 | DEF AT local marker foram decrease | DEF AT 3 |
| 10918 / 10478 | DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme) | DEF AT 4 |
| 10919 / 10479 | DEF AT Upper Miocene (Tortonian) Planulina renzi | DEF AT 4 |
| 10920 / 10480 | DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF AT 4 |
| 10950 / 10506 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 11910 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 129 | Date of Summary: 01-NOV-1990 | First Sample Examined: 0 |
| Lease Number: G11866 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13463 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13338 |
| API Well Number: 177054086100 | Drilling Operator: FREEPORT MCMORAN OIL & GAS | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 64 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8190 / 8190 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 10860 / 10858 | DEF IN Cyclammina sp. (local marker) | DEF AT |
| 10861 / 10859 | POS IN Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 11940 / 11918 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 13290 / 13180 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 147 | Date of Summary: 12-JUN-1989 | First Sample Examined: 6913 |
| Lease Number: G02071 | Source of Paleo: OPERATOR | Borehole MD: 15790 |
| Well Name: 006 | Paleo Done By: OPERATOR | Borehole TVD: 15600 |
| API Well Number: 177054082100 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 6913 - 15790 | Water Depth: 81 |
| Public Info Code: Y 13-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6913 / 6912 | DEF AT first sample examined | DEF AT 1 |
| 6914 / 6913 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT 1 |
| 7566 / 7565 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 8680 / 8679 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 2 |
| 10280 / 10279 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT 3 |
| 13030 / 12976 | DEF AT Upper Miocene (Messinian) Globorotalia juanai | DEF AT 3 |
| 13210 / 13147 | DEF AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 3 |
| 13540 / 13459 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 13780 / 13682 | DEF AT - - - - - | DEF AT 4 |
| 15520 / 15343 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF IN 4 |
| 15790 / 15605 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 148 | Date of Summary: 21-DEC-1994 | First Sample Examined: 0 |
| Lease Number: G08667 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15725 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 15496 |
| API Well Number: 177054092001 | Drilling Operator: PG&E RESOURCES OFFSHORE CO | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 22-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 14200 / 13898 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 148 | Date of Summary: 12-JAN-1993 | First Sample Examined: 0 |
| Lease Number: G08667 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15686 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 15683 |
| API Well Number: 177054077400 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 80 |
| Public Info Code: Y 22-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11100 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 12850 / | POS AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 13980 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 152 | Date of Summary: 13-OCT-1997 | First Sample Examined: 0 |
| Lease Number: G16299 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5053 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4838 |
| API Well Number: 177054105800 | Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 81 |
| Public Info Code: Y 28-MAY-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4770 / 4590 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: VR 156 | Date of Summary: 24-JAN-1995 | First Sample Examined: 13500 |
| Lease Number: G12866 | Source of Paleo: OPERATOR | Borehole MD: 15192 |
| Well Name: JA001 | Paleo Done By: OPERATOR | Borehole TVD: 15190 |
| API Well Number: 177054099300 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 13500 - 16170 | Water Depth: 88 |
| Public Info Code: Y 20-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13500 / 13499 | DEF AT first sample examined | DEF IN 2 |
| 13530 / 13529 | POS IN Upper Miocene (Messinian) Discoaster berggrenii | DEF IN 2 |
| 14160 / 14158 | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF IN 2 |
| 14190 / 14188 | DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 3 |
| 15240 / | POS AT Upper Miocene (Tortonian) Robulus "E" | DEF IN 3 |
| 15450 / | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF IN 3 |
| 16170 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 162 | Date of Summary: 03-JUL-1984 | First Sample Examined: 7990 |
| Lease Number: G05419 | Source of Paleo: OPERATOR | Borehole MD: 9978 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9978 |
| API Well Number: 177054064200 | Drilling Operator: MIDCON EXPLORATION COMPANY GU | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 7990 - 9940 | Water Depth: 95 |
| Public Info Code: Y 16-JUL-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 7990 / | DEF IN salt | DEF AT |
| 7991 / | DEF IN anhydrite | DEF AT |
| 9940 / | DEF IN salt | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 162 | Date of Summary: 09-MAR-1999 | First Sample Examined: 3510 |
| Lease Number: G05419 | Source of Paleo: OPERATOR | Borehole MD: 12699 |
| Well Name: 005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12384 |
| API Well Number: 177054109500 | Drilling Operator: MCMORAN OIL & GAS LLC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 2 | Sample Range: 3510 - 12699 | Water Depth: 87 |
| Public Info Code: Y 21-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 3510 / 3382 | DEF AT first sample examined | DEF AT 1 |
| 5100 / 4845 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 1 |
| 5430 / 5158 | DEF AT - - - - - | DEF AT 2 |
| 6840 / 6527 | DEF AT - - - - - | DEF AT 3 |
| 6930 / 6616 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 7230 / 6916 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 3 |
| 7530 / 7216 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 9900 / 9586 | DEF AT - - - - - | DEF AT 4 |
| 10410 / 10095 | POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme) | DEF AT 4 |
| 11610 / 11295 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 12699 / 12384 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 162 | Date of Summary: 09-MAR-1999 | First Sample Examined: 3510 |
| Lease Number: G05419 | Source of Paleo: OPERATOR | Borehole MD: 12699 |
| Well Name: 005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12384 |
| API Well Number: 177054109500 | Drilling Operator: MCMORAN OIL & GAS LLC | Rkb Elevation: 88 |
| Paleo Report Num: 2 of 2 | Sample Range: 3510 - 12699 | Water Depth: 87 |
| Public Info Code: Y 21-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3510 / 3382 | DEF AT first sample examined | DEF AT |
| 4050 / 3873 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 4740 / 4506 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 5340 / 5073 | POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 5640 / 5359 | POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae | DEF AT |
| 5760 / 5473 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 8520 / 8206 | POS AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 9480 / 9166 | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 10440 / 10125 | POS AT Lower Pliocene (Zanclian) Sphenolithus verensis | DEF AT |
| 11580 / 11265 | POS AT Upper Miocene (Tortonian) Discoaster berggrenii "C" | DEF AT |
| 12698 / 12383 | DEF AT Upper Miocene (Tortonian) Discoaster neohamatus | DEF AT |
| 12699 / 12384 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 162 | Date of Summary: 22-FEB-1990 | First Sample Examined: 0 |
| Lease Number: G05419 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10200 |
| Well Name: AJ001 | Paleo Done By: OPERATOR | Borehole TVD: 9864 |
| API Well Number: 177054080000 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 90 |
| Public Info Code: Y 20-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8750 / 8482 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 9380 / 9083 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 162 | Date of Summary: 26-MAR-1991 | First Sample Examined: 0 |
| Lease Number: G05419 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11110 |
| Well Name: AJ002 | Paleo Done By: OPERATOR | Borehole TVD: 10789 |
| API Well Number: 177054083200 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 90 |
| Public Info Code: Y 21-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6878 / 6650 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7798 / 7524 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 9030 / 8730 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 164 | Date of Summary: 16-APR-1986 | First Sample Examined: 1200 |
| Lease Number: G06668 | Source of Paleo: OPERATOR | Borehole MD: 12493 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12493 |
| API Well Number: 177054067100 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 1200 - 12493 | Water Depth: 95 |
| Public Info Code: Y 01-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 1200 / | DEF AT first sample examined | DEF AT |
| 8640 / | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8760 / | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9450 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10500 / | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 12000 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 12493 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 167 | Date of Summary: 02-SEP-1986 | First Sample Examined: 2640 |
| Lease Number: G04794 | Source of Paleo: OPERATOR | Borehole MD: 12291 |
| Well Name: AJ001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 12015 |
| API Well Number: 177054073000 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 2640 - 12082 | Water Depth: 95 |
| Public Info Code: Y 16-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 2640 / 2640 | DEF AT first sample examined | DEF AT 2 |
| 7940 / 7933 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 8660 / 8619 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 9350 / 9273 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 3 |
| 10130 / 9993 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 3 |
| 11030 / 10831 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 11510 / 11280 | DEF AT Cyclammina sp. (local marker) | DEF AT 4 |
| 11810 / 11562 | DEF AT local marker (general) | DEF AT 4 |
| 12082 / 11819 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 167 | Date of Summary: 05-AUG-1988 | First Sample Examined: 0 |
| Lease Number: G04794 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13240 |
| Well Name: AJ002 | Paleo Done By: OPERATOR | Borehole TVD: 12454 |
| API Well Number: 177054073301 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 95 |
| Public Info Code: Y 26-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11689 / 11150 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 11994 / 11423 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 180 | Date of Summary: 30-JUN-1994 | First Sample Examined: 3975 |
| Lease Number: G10664 | Source of Paleo: OPERATOR | Borehole MD: 7453 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7449 |
| API Well Number: 177054095600 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 3975 - 7454 | Water Depth: 96 |
| Public Info Code: Y 10-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3975 / 3974 | DEF AT first sample examined | POS AT 2 |
| 4454 / 4453 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 2 |
| 5002 / 5001 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 2 |
| 5194 / 5192 | DEF AT faunal change (no faunal increase) | DEF IN 1 |
| 6095 / 6092 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 2 |
| 6581 / 6578 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 7454 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 187 | Date of Summary: 07-JUL-1987 | First Sample Examined: 0 |
| Lease Number: G06673 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14305 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12034 |
| API Well Number: 177054075001 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 105 |
| Public Info Code: Y 02-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10430 / 9552 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: VR 187 | Date of Summary: 21-FEB-1989 | First Sample Examined: 950 |
| Lease Number: G06673 | Source of Paleo: OPERATOR | Borehole MD: 13660 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9352 |
| API Well Number: 177054081200 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 2 | Sample Range: 950 - 13190 | Water Depth: 107 |
| Public Info Code: Y 02-OCT-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 950 / 950 | DEF AT first sample examined | DEF IN 1 |
| 1070 / 1070 | DEF AT - - - - - | DEF AT 2 |
| 6640 / 5509 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 8920 / 6878 | DEF AT - - - - - | DEF AT 3 |
| 10510 / 7769 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 12440 / 8809 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 13190 / 9149 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: VR 187 | Date of Summary: 21-FEB-1989 | First Sample Examined: 13170 |
| Lease Number: G06673 | Source of Paleo: OPERATOR | Borehole MD: 13660 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9352 |
| API Well Number: 177054081200 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 89 |
| Paleo Report Num: 2 of 2 | Sample Range: 13170 - 13720 | Water Depth: 107 |
| Public Info Code: Y 02-OCT-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 13170 / 9140 | DEF AT first sample examined | DEF AT |
| 13720 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 190 | Date of Summary: 15-MAY-1969 | First Sample Examined: 7716 |
| Lease Number: G01133 | Source of Paleo: OPERATOR | Borehole MD: 14860 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14860 |
| API Well Number: 177050027100 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 67 |
| Paleo Report Num: 1 of 1 | Sample Range: 7716 - 14860 | Water Depth: 106 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7716 / | DEF AT first sample examined | DEF AT |
| 10813 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 14860 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 190 | Date of Summary: 15-MAY-1969 | First Sample Examined: 8067 |
| Lease Number: G01133 | Source of Paleo: OPERATOR | Borehole MD: 13287 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 13220 |
| API Well Number: 177050027201 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 8067 - 13205 | Water Depth: 106 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8067 / 7994 | DEF AT first sample examined | DEF AT |
| 10627 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 13205 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 190 | Date of Summary: 20-JUN-1969 | First Sample Examined: 9800 |
| Lease Number: G01133 | Source of Paleo: OPERATOR | Borehole MD: 10469 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10469 |
| API Well Number: 177050037400 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 9800 - 10460 | Water Depth: 105 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9800 / | DEF AT first sample examined | DEF AT |
| 9890 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10460 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: VR 190 | Date of Summary: 20-JUN-1969 | First Sample Examined: 10370 |
| Lease Number: G01133 | Source of Paleo: OPERATOR | Borehole MD: 14180 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 14087 |
| API Well Number: 177050037401 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 10370 - 14180 | Water Depth: 103 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10370 / 10326 | DEF AT first sample examined | DEF AT |
| 10550 / 10499 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 14180 / 14077 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 190 | Date of Summary: 15-MAY-1969 | First Sample Examined: 6310 |
| Lease Number: G01133 | Source of Paleo: OPERATOR | Borehole MD: 14550 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 14322 |
| API Well Number: 177050037000 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 6310 - 14550 | Water Depth: 90 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6310 / 6268 | DEF AT first sample examined | DEF AT |
| 10450 / 10280 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 14550 / 14317 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 190 | Date of Summary: 20-JUN-1969 | First Sample Examined: 9980 |
| Lease Number: G01133 | Source of Paleo: OPERATOR | Borehole MD: 14000 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 13670 |
| API Well Number: 177050037100 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 9980 - 14000 | Water Depth: 103 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9980 / 9807 | DEF AT first sample examined | DEF AT |
| 10760 / 10546 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 14000 / 13670 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 190 | Date of Summary: 31-MAR-1970 | First Sample Examined: 9800 |
| Lease Number: G01133 | Source of Paleo: OPERATOR | Borehole MD: 12636 |
| Well Name: A006 | Paleo Done By: OPERATOR | Borehole TVD: 12621 |
| API Well Number: 177052003100 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 2 | Sample Range: 9800 - 11015 | Water Depth: 103 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9800 / | DEF AT first sample examined | DEF AT |
| 10250 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 11015 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: VR 190 | Date of Summary: 31-MAR-1970 | First Sample Examined: 10110 |
| Lease Number: G01133 | Source of Paleo: OPERATOR | Borehole MD: 12636 |
| Well Name: A006 | Paleo Done By: OPERATOR | Borehole TVD: 12621 |
| API Well Number: 177052003100 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 94 |
| Paleo Report Num: 2 of 2 | Sample Range: 10110 - 12630 | Water Depth: 103 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10110 / | DEF AT first sample examined | DEF AT |
| 10260 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12630 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: VR 190 | Date of Summary: 27-FEB-1970 | First Sample Examined: 10230 |
| Lease Number: G01133 | Source of Paleo: OPERATOR | Borehole MD: 13657 |
| Well Name: A007 | Paleo Done By: OPERATOR | Borehole TVD: 13323 |
| API Well Number: 177052003900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 10230 - 13630 | Water Depth: 103 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10230 / 9917 | DEF AT first sample examined | DEF AT |
| 10650 / 10333 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 13630 / 13301 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: VR 190 | Date of Summary: 20-DEC-1978 | First Sample Examined: 10000 |
| Lease Number: G01133 | Source of Paleo: OPERATOR | Borehole MD: 13215 |
| Well Name: A008 | Paleo Done By: OPERATOR | Borehole TVD: 13146 |
| API Well Number: 177054031900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 10000 - 13268 | Water Depth: 105 |
| Public Info Code: Y 19-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10000 / 9965 | DEF AT first sample examined | DEF AT |
| 10210 / 10172 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 13268 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 202 | Date of Summary: 28-SEP-1999 | First Sample Examined: 0 |
| Lease Number: G14409 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11850 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11024 |
| API Well Number: 177054096900 | Drilling Operator: COCKRELL OIL CORPORATION | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 107 |
| Public Info Code: Y 26-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6610 / 6606 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7150 / 7125 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 8670 / 8393 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 204 | Date of Summary: 30-APR-1994 | First Sample Examined: 9440 |
| Lease Number: G10671 | Source of Paleo: OPERATOR | Borehole MD: 14672 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12491 |
| API Well Number: 177054094500 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 2 | Sample Range: 9440 - 14680 | Water Depth: 110 |
| Public Info Code: Y 18-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 9440 / | DEF AT first sample examined | DEF AT 2 |
| 10070 / | DEF AT sample gap top | POS AT 2 |
| 10780 / | DEF AT sample gap bottom | DEF AT 2 |
| 14680 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: VR 204 | Date of Summary: 05-JUL-1994 | First Sample Examined: 11870 |
| Lease Number: G10671 | Source of Paleo: OPERATOR | Borehole MD: 14672 |
| Well Name: 001 | Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC. | Borehole TVD: 12491 |
| API Well Number: 177054094500 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 94 |
| Paleo Report Num: 2 of 2 | Sample Range: 11870 - 13485 | Water Depth: 110 |
| Public Info Code: Y 18-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11870 / | DEF AT first sample examined | DEF AT 2 |
| 12010 / | DEF AT ----- | DEF AT 1 |
| 12070 / | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 3 |
| 12160 / | DEF AT ----- | DEF AT 2 |
| 12220 / | DEF AT local marker foram increase | DEF IN 2 |
| 12310 / | DEF AT Cyclammina cancellata (local marker) | DEF IN 2 |
| 12340 / | DEF AT ----- | DEF IN 1 |
| 12460 / | DEF AT ----- | DEF AT 3 |
| 12610 / | DEF AT ----- | DEF IN 1 |
| 12730 / | DEF AT ----- | DEF AT 2 |
| 12760 / | DEF AT ----- | DEF AT 1 |
| 12790 / | DEF AT ----- | DEF AT 2 |
| 13150 / | DEF AT ----- | DEF IN 1 |
| 13480 / | DEF AT last sample examined | DEF IN 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 216 | Date of Summary: 27-NOV-1996 | First Sample Examined: 0 |
| Lease Number: G13885 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10572 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10571 |
| API Well Number: 177054104100 | Drilling Operator: NORCEN EXPLORER INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 123 |
| Public Info Code: Y 29-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9250 / | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 216 | Date of Summary: 13-FEB-1998 | First Sample Examined: 0 |
| Lease Number: G13885 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10175 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10174 |
| API Well Number: 177054104400 | Drilling Operator: NORCEN EXPLORER INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 123 |
| Public Info Code: Y 29-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8911 / | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9304 / | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9598 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: VR 218 | Date of Summary: 19-AUG-1987 | First Sample Examined: 10243 |
| Lease Number: G01142 | Source of Paleo: OPERATOR | Borehole MD: 11641 |
| Well Name: B008 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11293 |
| API Well Number: 177054075800 | Drilling Operator: TAYLOR ENERGY COMPANY | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 10243 - 10397 | Water Depth: 111 |
| Public Info Code: Y 16-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10243 / 10005 | DEF AT first sample examined | DEF AT 5 |
| 10244 / 10006 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 10397 / 10146 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 219 | Date of Summary: 12-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G10673 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11500 |
| API Well Number: 177054084500 | Drilling Operator: NORCEN EXPLORER INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 116 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6645 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 11275 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: VR 220 | Date of Summary: 10-JUN-1998 | First Sample Examined: 0 |
| Lease Number: G17910 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11473 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11201 |
| API Well Number: 177054107800 | Drilling Operator: WESTPORT OIL AND GAS COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 111 |
| Public Info Code: Y 29-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9314 / 9312 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT |
| 10558 / 10476 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10726 / 10615 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: VR 226 | Date of Summary: 30-SEP-1999 | First Sample Examined: 0 |
| Lease Number: G05195 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13113 |
| Well Name: D002 | Paleo Done By: OPERATOR | Borehole TVD: 12628 |
| API Well Number: 177054101400 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 122 |
| Public Info Code: Y 03-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11150 / 10834 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 227 | Date of Summary: 29-DEC-1989 | First Sample Examined: 0 |
| Lease Number: G10674 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11365 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11365 |
| API Well Number: 177054084100 | Drilling Operator: NORCEN EXPLORER INC | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 126 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6815 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 11240 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 237 | Date of Summary: 14-APR-1989 | First Sample Examined: 0 |
| Lease Number: G06677 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12038 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 11721 |
| API Well Number: 177054081600 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 124 |
| Public Info Code: Y 07-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11810 / 11531 | DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 237 | Date of Summary: 15-JUL-1985 | First Sample Examined: 4000 |
| Lease Number: G06677 | Source of Paleo: OPERATOR | Borehole MD: 11938 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11938 |
| API Well Number: 177054069900 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 11920 | Water Depth: 125 |
| Public Info Code: Y 04-AUG-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 4000 / | DEF AT first sample examined | DEF IN 2 |
| 5230 / | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6460 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 6760 / | DEF AT sample gap top | POS AT 3 |
| 7060 / | DEF AT sample gap bottom | DEF AT 3 |
| 8020 / | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 8560 / | DEF AT - - - - | DEF AT 4 |
| 10990 / | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 11920 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 237 | Date of Summary: 07-OCT-1985 | First Sample Examined: 3608 |
| Lease Number: G06677 | Source of Paleo: OPERATOR | Borehole MD: 15693 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14953 |
| API Well Number: 177054070200 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 2 | Sample Range: 3608 - 14330 | Water Depth: 125 |
| Public Info Code: Y 05-NOV-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3608 / 3608 | DEF AT first sample examined | DEF IN 2 |
| 6470 / 6470 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8000 / 8000 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 8420 / 8419 | DEF AT - - - - - | DEF AT 4 |
| 11120 / 10964 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 13910 / 13396 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 5 |
| 14330 / 13762 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: VR 237 | Date of Summary: 07-OCT-1985 | First Sample Examined: 13180 |
| Lease Number: G06677 | Source of Paleo: OPERATOR | Borehole MD: 15693 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14953 |
| API Well Number: 177054070200 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 96 |
| Paleo Report Num: 2 of 2 | Sample Range: 13180 - 15694 | Water Depth: 125 |
| Public Info Code: Y 05-NOV-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13180 / 12777 | DEF AT first sample examined | DEF AT 5 |
| 13870 / 13361 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 5 |
| 15310 / 14613 | DEF AT - - - - | DEF AT 6 |
| 15694 / | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 237 | Date of Summary: 03-DEC-1985 | First Sample Examined: 4000 |
| Lease Number: G06677 | Source of Paleo: OPERATOR | Borehole MD: 13030 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11861 |
| API Well Number: 177054071100 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 13030 | Water Depth: 125 |
| Public Info Code: Y 30-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4000 / 3999 | DEF AT first sample examined | DEF IN 2 |
| 6730 / 6431 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 2 |
| 8290 / 7764 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 2 |
| 8500 / 7942 | DEF AT - - - - - | DEF AT 3 |
| 9340 / 8656 | DEF AT - - - - - | DEF AT 4 |
| 12340 / 11256 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 13030 / 11860 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 237 | Date of Summary: 02-JAN-1985 | First Sample Examined: 4000 |
| Lease Number: G06677 | Source of Paleo: OPERATOR | Borehole MD: 12360 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11650 |
| API Well Number: 177054071600 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 12305 | Water Depth: 125 |
| Public Info Code: Y 31-JAN-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 4000 / 3997 | DEF AT first sample examined | DEF IN 2 |
| 5380 / 5242 | POS AT - - - - - | POS AT 3 |
| 5650 / 5479 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | POS AT 3 |
| 6790 / 6472 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | POS AT 3 |
| 8380 / 7849 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | POS AT 3 |
| 10870 / 10166 | DEF AT - - - - - | DEF AT 4 |
| 11800 / 11096 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 12305 / 11601 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 237 | Date of Summary: 28-MAY-1987 | First Sample Examined: 0 |
| Lease Number: G06677 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12410 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 10407 |
| API Well Number: 177054075100 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 35 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 125 |
| Public Info Code: Y 17-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10133 / 8750 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 237 | Date of Summary: 20-NOV-1987 | First Sample Examined: 8730 |
| Lease Number: G06677 | Source of Paleo: OPERATOR | Borehole MD: 12508 |
| Well Name: A008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11712 |
| API Well Number: 177054076100 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 8730 - 12480 | Water Depth: 125 |
| Public Info Code: Y 21-NOV-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8730 / 7985 | DEF AT first sample examined | DEF AT 2 |
| 8731 / 7986 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 9600 / 8816 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 10590 / 9796 | DEF AT - - - - - | DEF AT 4 |
| 12090 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 12780 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 237 | Date of Summary: 20-NOV-1987 | First Sample Examined: 9010 |
| Lease Number: G06677 | Source of Paleo: OPERATOR | Borehole MD: 12230 |
| Well Name: A008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11700 |
| API Well Number: 177054076101 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 35 |
| Paleo Report Num: 1 of 1 | Sample Range: 9010 - 12230 | Water Depth: 125 |
| Public Info Code: Y 10-DEC-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9010 / 8574 | DEF AT first sample examined | DEF IN 3 |
| 10330 / 9831 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 11590 / 11061 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 12230 / 11700 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 245 | Date of Summary: 20-MAR-1986 | First Sample Examined: 0 |
| Lease Number: G01146 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13268 |
| Well Name: F001 | Paleo Done By: OPERATOR | Borehole TVD: 12459 |
| API Well Number: 177054067400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 130 |
| Public Info Code: Y 05-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6420 / 6420 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8400 / 8303 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 9420 / 9193 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10830 / 10425 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 11400 / 10914 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 245 | Date of Summary: 13-MAR-1986 | First Sample Examined: 0 |
| Lease Number: G01146 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10748 |
| Well Name: F002 | Paleo Done By: OPERATOR | Borehole TVD: 10112 |
| API Well Number: 177054071000 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 136 |
| Public Info Code: Y 06-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3500 / 3356 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 5500 / 5199 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7400 / 6973 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9000 / 8493 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 10300 / 9710 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: VR 245 | Date of Summary: 10-DEC-1996 | First Sample Examined: 0 |
| Lease Number: G01146 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12230 |
| Well Name: F003 | Paleo Done By: OPERATOR | Borehole TVD: 10430 |
| API Well Number: 177054070800 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 136 |
| Public Info Code: Y 12-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4130 / 3677 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 8180 / 6804 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9800 / 8134 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 11732 / 9945 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 249 | Date of Summary: 30-JAN-1987 | First Sample Examined: 0 |
| Lease Number: G06678 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14645 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14645 |
| API Well Number: 177054074000 | Drilling Operator: CSX OIL & GAS CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 144 |
| Public Info Code: Y 13-FEB-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7500 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8500 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 14000 / | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 249 | Date of Summary: 07-APR-1989 | First Sample Examined: 0 |
| Lease Number: G06678 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4700 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 4700 |
| API Well Number: 177054081700 | Drilling Operator: ENERGEN RESOURCES MAQ INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 138 |
| Public Info Code: Y 04-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4000 / | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 250 | Date of Summary: 27-NOV-1984 | First Sample Examined: 0 |
| Lease Number: G01149 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7470 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 6995 |
| API Well Number: 177054066600 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 142 |
| Public Info Code: Y 27-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5360 / 5146 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6440 / 6063 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 7070 / 6632 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 250 | Date of Summary: 18-APR-1988 | First Sample Examined: 0 |
| Lease Number: G01149 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14050 |
| Well Name: E003 | Paleo Done By: OPERATOR | Borehole TVD: 13324 |
| API Well Number: 177054077500 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 119 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 145 |
| Public Info Code: Y 28-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12600 / 12001 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 250 | Date of Summary: 17-OCT-1983 | First Sample Examined: 0 |
| Lease Number: G05031 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15200 |
| Well Name: E001 | Paleo Done By: OPERATOR | Borehole TVD: 13115 |
| API Well Number: 177054082200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 145 |
| Public Info Code: Y 04-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12000 / 10470 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12500 / 10913 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 250 | Date of Summary: 04-OCT-1983 | First Sample Examined: 0 |
| Lease Number: G05031 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15376 |
| Well Name: E002 | Paleo Done By: OPERATOR | Borehole TVD: 12956 |
| API Well Number: 177054082300 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 140 |
| Public Info Code: Y 04-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10540 / 9247 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 12430 / 10915 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 251 | Date of Summary: 03-NOV-1987 | First Sample Examined: 0 |
| Lease Number: G02873 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13820 |
| Well Name: D003 | Paleo Done By: OPERATOR | Borehole TVD: 13408 |
| API Well Number: 177054075400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 145 |
| Public Info Code: Y 06-SEP-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8200 / 8187 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 11900 / 11679 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 252 | Date of Summary: 25-FEB-1985 | First Sample Examined: 0 |
| Lease Number: G05431 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13409 |
| Well Name: F001 | Paleo Done By: OPERATOR | Borehole TVD: 13401 |
| API Well Number: 177064054700 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 149 |
| Public Info Code: Y 12-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5713 / 5713 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 6214 / 6214 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9250 / 9250 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10562 / 10561 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 11170 / 11169 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: VR 252 | Date of Summary: 31-JAN-1985 | First Sample Examined: 0 |
| Lease Number: G05431 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16141 |
| Well Name: F002 | Paleo Done By: OPERATOR | Borehole TVD: 15200 |
| API Well Number: 177064055400 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 150 |
| Public Info Code: Y 30-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9630 / 9389 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10920 / 10644 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 11900 / 11591 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 252 | Date of Summary: 05-NOV-1984 | First Sample Examined: 0 |
| Lease Number: G05431 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14264 |
| Well Name: F003 | Paleo Done By: OPERATOR | Borehole TVD: 13286 |
| API Well Number: 177064055600 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 140 |
| Public Info Code: Y 02-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11350 / 10549 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |
| 12050 / 11196 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 257 | Date of Summary: 11-JUL-1988 | First Sample Examined: 0 |
| Lease Number: G08671 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4900 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4898 |
| API Well Number: 177064061200 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 154 |
| Public Info Code: Y 23-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2726 / 2724 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3716 / 3714 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: VR 257 | Date of Summary: 22-FEB-1990 | First Sample Examined: 0 |
| Lease Number: G08671 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5311 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 4100 |
| API Well Number: 177064062900 | Drilling Operator: HALL-HOUSTON OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 147 |
| Public Info Code: Y 26-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2832 / 2711 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4625 / 3689 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 266 | Date of Summary: 18-SEP-1989 | First Sample Examined: 4030 |
| Lease Number: G08672 | Source of Paleo: OPERATOR | Borehole MD: 11323 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10231 |
| API Well Number: 177064062400 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 2 | Sample Range: 4030 - 9790 | Water Depth: 165 |
| Public Info Code: Y 26-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 4030 / 4030 | DEF AT first sample examined | DEF IN 2 |
| 5290 / 5289 | DEF AT - - - - - | DEF AT 3 |
| 6160 / 6126 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 9730 / 8989 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 9760 / 9013 | DEF AT - - - - - | DEF AT 4 |
| 9790 / 9037 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 266 | Date of Summary: 18-SEP-1989 | First Sample Examined: 9600 |
| Lease Number: G08672 | Source of Paleo: OPERATOR | Borehole MD: 11323 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10231 |
| API Well Number: 177064062400 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 2 of 2 | Sample Range: 9600 - 11320 | Water Depth: 165 |
| Public Info Code: Y 26-MAY-1999 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9600 / 8885 | DEF AT first sample examined | DEF AT 4 |
| 10000 / 9204 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 11320 / 10231 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 266 | Date of Summary: 09-MAR-1992 | First Sample Examined: 0 |
| Lease Number: G08672 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10305 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9379 |
| API Well Number: 177064066300 | Drilling Operator: CORPUS CHRISTI OIL AND GAS CO | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 162 |
| Public Info Code: Y 26-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6470 / 5916 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8710 / 7870 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 266 | Date of Summary: 25-JAN-1993 | First Sample Examined: 0 |
| Lease Number: G08672 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10820 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 9425 |
| API Well Number: 177064067300 | Drilling Operator: PG&E RESOURCES OFFSHORE CO | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 162 |
| Public Info Code: Y 26-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5100 / 4753 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6300 / 5717 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8900 / 7829 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 272 | Date of Summary: 17-JAN-1996 | First Sample Examined: 0 |
| Lease Number: G13887 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8000 |
| API Well Number: 177064077500 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 182 |
| Public Info Code: Y 30-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4100 / | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT |
| 5800 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 274 | Date of Summary: 25-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G04213 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10941 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 8439 |
| API Well Number: 177064060500 | Drilling Operator: KOCH EXPLORATION COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 187 |
| Public Info Code: Y 27-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8354 / 6851 | DEF IN Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 9090 / 7284 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 274 | Date of Summary: 12-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G15200 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11007 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 11007 |
| API Well Number: 177064060200 | Drilling Operator: KOCH EXPLORATION COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 183 |
| Public Info Code: Y 06-JAN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5550 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5970 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 10435 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 274 | Date of Summary: 06-FEB-1997 | First Sample Examined: 8000 |
| Lease Number: G15200 | Source of Paleo: OPERATOR | Borehole MD: 11007 |
| Well Name: B001 | Paleo Done By: PALEO CONTROL INC. | Borehole TVD: 11007 |
| API Well Number: 177064060200 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 90 |
| Paleo Report Num: 2 of 2 | Sample Range: 8000 - 11132 | Water Depth: 183 |
| Public Info Code: Y 06-JAN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 8000 / | DEF AT first sample examined | DEF AT 1 |
| 8001 / | DEF IN Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT 1 |
| 8280 / | POS AT unconformity | DEF AT 1 |
| 8790 / | POS AT unconformity | POS AT 1 |
| 8880 / | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 9060 / | DEF AT faunal change (no faunal increase) | POS AT 1 |
| 11070 / | DEF AT unconformity | DEF AT 3 |
| 11100 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 11101 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 281 | Date of Summary: 14-MAY-1994 | First Sample Examined: 8580 |
| Lease Number: G10680 | Source of Paleo: OPERATOR | Borehole MD: 14534 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 14534 |
| API Well Number: 177064070700 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 8580 - 11534 | Water Depth: 168 |
| Public Info Code: Y 16-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 8580 / 8580 | DEF AT first sample examined | POS AT 3 |
| 9330 / 9330 | DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT 3 |
| 9840 / 9840 | DEF AT local marker foram increase | DEF AT 3 |
| 10020 / 10020 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 3 |
| 10200 / 10199 | DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 3 |
| 10350 / 10349 | DEF AT local marker foram increase | DEF IN 3 |
| 11010 / 11009 | DEF AT local marker foram increase | DEF AT 3 |
| 11700 / 11699 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF IN 3 |
| 11790 / 11789 | POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF IN 3 |
| 12150 / 12149 | DEF AT local marker foram increase | DEF AT 4 |
| 12420 / 12419 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 13320 / | POS AT Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 13530 / | DEF IN Upper Miocene (Messinian) Discoaster berggrenii | DEF AT 4 |
| 13680 / | DEF AT local marker foram increase | DEF AT 4 |
| 13890 / | DEF AT local marker foram increase | DEF AT 4 |
| 14100 / | DEF AT local marker foram increase | DEF AT 4 |
| 14370 / | DEF AT local marker foram increase | DEF AT 4 |
| 15134 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 284 | Date of Summary: 13-MAR-1989 | First Sample Examined: 7020 |
| Lease Number: G09508 | Source of Paleo: OPERATOR | Borehole MD: 11164 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11164 |
| API Well Number: 177064062100 | Drilling Operator: HALL-HOUSTON OIL COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 7020 - 11130 | Water Depth: 180 |
| Public Info Code: Y 07-APR-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 7020 / | DEF AT first sample examined | DEF IN 3 |
| 7140 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 3 |
| 8220 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 3 |
| 9060 / | DEF AT - - - - - | DEF AT 4 |
| 11130 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: VR 289 | Date of Summary: 11-APR-1986 | First Sample Examined: 0 |
| Lease Number: G04213 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8395 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7812 |
| API Well Number: 177064058300 | Drilling Operator: KOCH EXPLORATION COMPANY | Rkb Elevation: 129 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 187 |
| Public Info Code: Y 16-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5145 / 4811 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6615 / 6162 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6759 / 6296 | DEF IN Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 289 | Date of Summary: 16-DEC-1987 | First Sample Examined: 0 |
| Lease Number: G04213 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9772 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 5380 |
| API Well Number: 177064058400 | Drilling Operator: KOCH EXPLORATION COMPANY | Rkb Elevation: 129 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 187 |
| Public Info Code: Y 16-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8785 / 4750 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 299 | Date of Summary: 14-MAY-1998 | First Sample Examined: 0 |
| Lease Number: G13890 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8021 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8021 |
| API Well Number: 177064080900 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 194 |
| Public Info Code: Y 27-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 7060 / 7060 | DEF IN Lower Pleistocene | DEF AT |
| 7300 / 7300 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7780 / 7780 | DEF AT local marker planktic foram increase | DEF AT |
| 8130 / | DEF AT local marker floral increase | DEF AT |
| 9840 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 9990 / | DEF AT gypsum | DEF AT |
| 10170 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 299 | Date of Summary: 07-MAY-1998 | First Sample Examined: 7000 |
| Lease Number: G13890 | Source of Paleo: OPERATOR | Borehole MD: 9084 |
| Well Name: 002 | Paleo Done By: THOMAS REILLY | Borehole TVD: 8790 |
| API Well Number: 177064080901 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 10724 | Water Depth: 194 |
| Public Info Code: Y 27-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Consultant-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 7000 / 6884 | DEF AT first sample examined | DEF AT 2 |
| 7001 / 6885 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 7060 / 6938 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 2 |
| 7300 / 7152 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 7600 / 7420 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 3 |
| 7690 / 7500 | DEF AT - - - - - | DEF AT 4 |
| 7780 / 7580 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 5 |
| 9570 / | POS IN Upper (Late) Miocene | DEF AT 6 |
| 9840 / | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 6 |
| 9990 / | DEF AT salt | DEF AT 6 |
| 9991 / | DEF AT gypsum | DEF AT 6 |
| 10170 / | DEF AT Upper Miocene (Tortonian) Catinaster coalitus | DEF AT 6 |
| 10470 / | DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus | DEF AT 6 |
| 10723 / | DEF AT salt | DEF AT 6 |
| 10724 / | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: VR 299 | Date of Summary: 14-MAY-1998 | First Sample Examined: 0 |
| Lease Number: G13890 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10724 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10420 |
| API Well Number: 177064080902 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 194 |
| Public Info Code: Y 27-OCT-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7060 / 6938 | DEF IN Lower Pleistocene | DEF AT |
| 7300 / 7152 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7780 / 7580 | DEF AT local marker planktic foram increase | DEF AT |
| 8130 / 7888 | DEF AT local marker floral increase | DEF AT |
| 9840 / 9544 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 9990 / 9693 | DEF AT gypsum | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 31-JUL-1979 | First Sample Examined: 6250 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8746 |
| Well Name: A001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6946 |
| API Well Number: 177064036400 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 6250 - 8710 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6250 / 5070 | DEF AT first sample examined | DEF AT 2 |
| 6460 / 5217 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7720 / 6148 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8710 / 7012 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: VR 310 | Date of Summary: 16-MAR-1981 | First Sample Examined: 0 |
| Lease Number: G03400 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9916 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 9916 |
| API Well Number: 177064023800 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5240 / 5240 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5770 / 5770 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8420 / 8419 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 16-FEB-1979 | First Sample Examined: 5000 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8435 |
| Well Name: A003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7822 |
| API Well Number: 177064034400 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 8390 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 4486 | DEF AT first sample examined | DEF AT 2 |
| 5930 / 5340 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6200 / 5602 | DEF AT sample gap top | POS AT 3 |
| 6559 / 5955 | DEF AT sample gap bottom | DEF AT 3 |
| 6560 / 5956 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 8390 / 7778 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 23-JAN-1979 | First Sample Examined: 3930 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8550 |
| Well Name: A004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7518 |
| API Well Number: 177064034900 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 3930 - 8520 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3930 / 3440 | DEF AT first sample examined | DEF AT 2 |
| 5430 / 4584 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 6420 / 5428 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7020 / 5998 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8520 / 7488 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 07-MAR-1979 | First Sample Examined: 5000 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 7986 |
| Well Name: A005 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7502 |
| API Well Number: 177064035100 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 7986 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 4521 | DEF AT first sample examined | DEF AT 2 |
| 5840 / 5359 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6259 / 5778 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6260 / 5779 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 7986 / 7503 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 31-JUL-1979 | First Sample Examined: 3100 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8000 |
| Well Name: A006 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7489 |
| API Well Number: 177064037400 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 3100 - 7990 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3100 / 2811 | DEF AT first sample examined | DEF AT 2 |
| 6040 / 5530 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6429 / 5919 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6430 / 5920 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 7990 / 7479 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 23-JAN-1979 | First Sample Examined: 5000 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 7630 |
| Well Name: A008 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7499 |
| API Well Number: 177064034200 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 7580 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 4884 | DEF AT first sample examined | DEF AT 1 |
| 5330 / 5206 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 1 |
| 5869 / 5740 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 1 |
| 5870 / 5741 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 1 |
| 7580 / 7449 | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 24-MAY-1979 | First Sample Examined: 2970 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8000 |
| Well Name: A009 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7797 |
| API Well Number: 177064036300 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 2970 - 8000 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2970 / 2827 | DEF AT first sample examined | DEF AT 2 |
| 5430 / 5220 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6149 / 5939 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6150 / 5940 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8000 / 7789 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 18-JUN-1979 | First Sample Examined: 3370 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8444 |
| Well Name: A013 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6502 |
| API Well Number: 177064035601 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 3370 - 8180 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3370 / 2963 | DEF AT first sample examined | DEF AT 2 |
| 5510 / 4454 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8180 / 6310 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 03-AUG-1979 | First Sample Examined: 2650 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 7180 |
| Well Name: A014 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6641 |
| API Well Number: 177064037000 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 2650 - 7180 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2650 / 2514 | DEF AT first sample examined | DEF AT 2 |
| 5220 / 4698 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6210 / 5673 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 7180 / 6641 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 16-MAY-1979 | First Sample Examined: 3180 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8316 |
| Well Name: A015 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6500 |
| API Well Number: 177064035600 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 3180 - 8310 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3180 / 2822 | DEF AT first sample examined | DEF AT 2 |
| 5490 / 4481 | DEF AT - - - - - | DEF AT 3 |
| 7020 / 5569 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8040 / 6300 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 3 |
| 8310 / 6498 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 14-AUG-1979 | First Sample Examined: 2520 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 6896 |
| Well Name: A016 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6826 |
| API Well Number: 177064038100 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 2520 - 6870 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2520 / 2512 | DEF AT first sample examined | DEF AT 2 |
| 4260 / 4222 | DEF AT - - - - - | DEF AT 3 |
| 5220 / 5167 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5610 / 5551 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6029 / 5965 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6030 / 5966 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 6870 / 6800 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 04-OCT-1979 | First Sample Examined: 2960 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 7320 |
| Well Name: A018 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6591 |
| API Well Number: 177064037800 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 2960 - 7320 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 2960 / 2833 | DEF AT first sample examined | DEF AT 2 |
| 5060 / 4584 | DEF AT - - - - - | DEF AT 3 |
| 5390 / 4858 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 3 |
| 6560 / 5863 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7320 / 6591 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 28-MAR-1980 | First Sample Examined: 2540 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 6852 |
| Well Name: A019 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6500 |
| API Well Number: 177064037801 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 111 |
| Paleo Report Num: 1 of 1 | Sample Range: 2540 - 6852 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 2540 / 2469 | DEF AT first sample examined | DEF AT 2 |
| 5010 / 4762 | DEF AT - - - - - | DEF AT 3 |
| 5460 / 5188 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6089 / 5784 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6090 / 5785 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 6852 / 6500 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 24-MAY-1979 | First Sample Examined: 3300 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 9447 |
| Well Name: B001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7937 |
| API Well Number: 177064036000 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 3300 - 9390 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3300 / 3026 | DEF AT first sample examined | DEF AT 2 |
| 6030 / 5136 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7590 / 6396 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 9390 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 03-MAY-1979 | First Sample Examined: 3090 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8776 |
| Well Name: B002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8168 |
| API Well Number: 177064035800 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 3090 - 8776 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3090 / 3090 | DEF AT first sample examined | DEF AT 2 |
| 6180 / 5876 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7110 / 6661 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8776 / 8168 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 26-FEB-1980 | First Sample Examined: 4970 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8930 |
| Well Name: B007 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8500 |
| API Well Number: 177064037700 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 4970 - 8900 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4970 / 4771 | DEF AT first sample examined | DEF AT 2 |
| 5840 / 5576 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6110 / 5825 | DEF AT sample gap top | POS AT 3 |
| 6740 / 6421 | DEF AT sample gap bottom | DEF AT 3 |
| 7010 / 6677 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 7130 / 6791 | DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L" | DEF AT 4 |
| 8900 / 8480 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 04-JUN-1979 | First Sample Examined: 3000 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8395 |
| Well Name: B008 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8301 |
| API Well Number: 177064036500 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 8394 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3000 / 2999 | DEF AT first sample examined | DEF AT 2 |
| 6120 / 6056 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6690 / 6613 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 8394 / 8299 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 03-AUG-1979 | First Sample Examined: 3160 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8822 |
| Well Name: B009 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8373 |
| API Well Number: 177064037500 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 3160 - 8820 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3160 / 3029 | DEF AT first sample examined | DEF IN 2 |
| 6610 / 6257 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7000 / 6628 | DEF AT poor sample interval top | DEF AT 3 |
| 8000 / 7595 | DEF AT poor sample interval bottom | DEF AT 3 |
| 8820 / 8375 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 28-APR-1980 | First Sample Examined: 5000 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8464 |
| Well Name: B010 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8266 |
| API Well Number: 177064037900 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 8480 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 4861 | DEF AT first sample examined | DEF AT 2 |
| 6080 / 5897 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6769 / 6569 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6770 / 6570 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8390 / 8186 | DEF AT - - - - - | DEF AT 4 |
| 8480 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 28-APR-1980 | First Sample Examined: 5000 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8283 |
| Well Name: B011 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7994 |
| API Well Number: 177064038300 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 8300 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 4812 | DEF AT first sample examined | DEF AT 2 |
| 6260 / 5997 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7069 / 6797 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 7070 / 6798 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8300 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 05-SEP-1979 | First Sample Examined: 5490 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8482 |
| Well Name: B012 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8204 |
| API Well Number: 177064037701 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 5490 - 8490 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5490 / 5252 | DEF AT first sample examined | DEF AT 2 |
| 6360 / 6093 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 6930 / 6658 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 7140 / 6867 | DEF AT - - - - - | DEF AT 2 |
| 8490 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 310 | Date of Summary: 28-APR-1980 | First Sample Examined: 5300 |
| Lease Number: G03400 | Source of Paleo: OPERATOR | Borehole MD: 8373 |
| Well Name: B013 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8091 |
| API Well Number: 177064037901 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 5300 - 8360 | Water Depth: 205 |
| Public Info Code: Y 04-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5300 / 5140 | DEF AT first sample examined | DEF AT 2 |
| 5690 / 5491 | DEF AT sample gap top | POS AT 2 |
| 6070 / 5832 | DEF AT sample gap bottom | DEF AT 2 |
| 6130 / 5887 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6909 / 6634 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6910 / 6635 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8360 / 8078 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 315 | Date of Summary: 04-OCT-1983 | First Sample Examined: 0 |
| Lease Number: G04215 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9368 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 8500 |
| API Well Number: 177064053100 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 210 |
| Public Info Code: Y 24-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6019 / 5574 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7220 / 6626 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8878 / 8086 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 325 | Date of Summary: 30-MAY-1978 | First Sample Examined: 2775 |
| Lease Number: G02089 | Source of Paleo: OPERATOR | Borehole MD: 8869 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8865 |
| API Well Number: 177064004100 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 2775 - 7960 | Water Depth: 216 |
| Public Info Code: Y 12-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 2775 / | DEF AT first sample examined | DEF AT |
| 2776 / | POS IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6245 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7650 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7830 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7960 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 325 | Date of Summary: 23-OCT-1974 | First Sample Examined: 3110 |
| Lease Number: G02089 | Source of Paleo: OPERATOR | Borehole MD: 8461 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8460 |
| API Well Number: 177064004500 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 3110 - 8000 | Water Depth: 212 |
| Public Info Code: Y 12-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3110 / | DEF AT first sample examined | DEF AT |
| 3875 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5910 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7988 / | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8000 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: VR 325 | Date of Summary: 01-FEB-1978 | First Sample Examined: 3000 |
| Lease Number: G02089 | Source of Paleo: OPERATOR | Borehole MD: 8623 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8621 |
| API Well Number: 177064005100 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 8623 | Water Depth: 210 |
| Public Info Code: Y 12-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 3000 / | DEF AT first sample examined | DEF AT |
| 4440 / | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6280 / | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 7605 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8180 / | DEF AT local marker benthic foram increase | DEF AT |
| 8430 / | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 8623 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 325 | Date of Summary: 30-MAY-1977 | First Sample Examined: 3730 |
| Lease Number: G02089 | Source of Paleo: OPERATOR | Borehole MD: 7167 |
| Well Name: 005 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7166 |
| API Well Number: 177064004900 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 3730 - 7167 | Water Depth: 220 |
| Public Info Code: Y 12-AUG-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3730 / | DEF AT first sample examined | DEF AT |
| 3731 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5935 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7167 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 325 | Date of Summary: 30-MAY-1975 | First Sample Examined: 1000 |
| Lease Number: G02089 | Source of Paleo: OPERATOR | Borehole MD: 8626 |
| Well Name: 006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8626 |
| API Well Number: 177064015600 | Drilling Operator: BURMAH OIL & GAS COMPANY | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 8600 | Water Depth: 216 |
| Public Info Code: Y 12-AUG-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1000 / | DEF AT first sample examined | DEF IN 2 |
| 1330 / | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 3 |
| 2590 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6320 / | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF AT 3 |
| 8000 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8180 / | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 8240 / | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF AT 3 |
| 8360 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 8390 / | DEF AT local marker deep water fauna | DEF AT 4 |
| 8510 / | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 8600 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: VR 325 | Date of Summary: 11-MAY-1977 | First Sample Examined: 3130 |
| Lease Number: G02089 | Source of Paleo: OPERATOR | Borehole MD: 7686 |
| Well Name: 007 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7686 |
| API Well Number: 177064023900 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 3130 - 7660 | Water Depth: 216 |
| Public Info Code: Y 12-AUG-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 3130 / | DEF AT first sample examined | DEF IN 3 |
| 3131 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 4000 / | DEF AT local marker foram increase | DEF IN 3 |
| 4060 / | POS AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF IN 3 |
| 5440 / | POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 3 |
| 5650 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 7210 / | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 3 |
| 7390 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF IN 3 |
| 7660 / | DEF AT last sample examined | DEF IN 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: VR 325 | Date of Summary: 05-SEP-1978 | First Sample Examined: 3120 |
| Lease Number: G02089 | Source of Paleo: OPERATOR | Borehole MD: 8574 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 5869 |
| API Well Number: 177064032600 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 3120 - 8580 | Water Depth: 213 |
| Public Info Code: Y 12-AUG-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3120 / 2729 | DEF AT first sample examined | DEF IN 3 |
| 3240 / 2798 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 6360 / 4620 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 3 |
| 7110 / 5067 | DEF AT sample gap top | POS IN 3 |
| 7710 / 5402 | DEF AT sample gap bottom | DEF IN 3 |
| 8580 / | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: VR 325 | Date of Summary: 06-OCT-1978 | First Sample Examined: 3970 |
| Lease Number: G02089 | Source of Paleo: OPERATOR | Borehole MD: 8275 |
| Well Name: A005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7601 |
| API Well Number: 177064033400 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 3970 - 8280 | Water Depth: 213 |
| Public Info Code: Y 12-AUG-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3970 / 3970 | DEF AT first sample examined | DEF IN 3 |
| 5020 / 5016 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF IN 3 |
| 5770 / 5725 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 6420 / 6283 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF IN 3 |
| 7350 / 6973 | DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right) | DEF IN 3 |
| 7500 / 7073 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 8280 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 349 | Date of Summary: 15-AUG-1994 | First Sample Examined: 3560 |
| Lease Number: G11898 | Source of Paleo: OPERATOR | Borehole MD: 16146 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16137 |
| API Well Number: 177064071000 | Drilling Operator: ANADARKO PETROLEUM CORPORATION | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 3560 - 16146 | Water Depth: 237 |
| Public Info Code: Y 31-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 3560 / 3560 | DEF AT first sample examined | DEF AT 3 |
| 3561 / 3561 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4760 / 4760 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6380 / 6380 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 6710 / 6710 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 3 |
| 7040 / 7039 | DEF AT - - - - - | DEF AT 4 |
| 8450 / 8449 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 4 |
| 8690 / 8689 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 9620 / 9618 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 9650 / 9648 | DEF AT salt | POS AT 4 |
| 11270 / 11268 | POS AT Upper Oligocene (Chattian) Globigerina sellii | POS AT 4 |
| 12110 / 12106 | DEF AT base of salt | DEF AT 4 |
| 12710 / 12705 | DEF AT - - - - - | DEF IN 5 |
| 14090 / 14084 | DEF AT - - - - - | DEF AT 6 |
| 14110 / 14104 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 14430 / 14423 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 6 |
| 15320 / 15313 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 16146 / 16137 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 351 | Date of Summary: 15-JUN-1994 | First Sample Examined: 0 |
| Lease Number: G10685 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14614 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 14607 |
| API Well Number: 177064071300 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 248 |
| Public Info Code: Y 16-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9120 / 9119 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 9480 / 9479 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 10950 / 10949 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 12810 / 12807 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 359 | Date of Summary: 01-MAY-1984 | First Sample Examined: 4580 |
| Lease Number: G05446 | Source of Paleo: OPERATOR | Borehole MD: 13421 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13421 |
| API Well Number: 177064054100 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 2 | Sample Range: 4580 - 9500 | Water Depth: 275 |
| Public Info Code: Y 03-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4580 / | DEF AT first sample examined | DEF AT 3 |
| 4581 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 6140 / | DEF AT - - - - | DEF AT 4 |
| 7310 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 7940 / | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 9140 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9500 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: VR 359 | Date of Summary: 01-MAY-1984 | First Sample Examined: 7150 |
| Lease Number: G05446 | Source of Paleo: OPERATOR | Borehole MD: 13421 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13421 |
| API Well Number: 177064054100 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 2 of 2 | Sample Range: 7150 - 13421 | Water Depth: 275 |
| Public Info Code: Y 03-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 7150 / | DEF AT first sample examined | DEF AT 4 |
| 7360 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 8020 / | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 9130 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 10270 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 13280 / | DEF AT - - - - - | DEF AT 6 |
| 13421 / | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---|---|--|
| <p>Area Block: VR 359 Lease Number: G05446 Well Name: A002 API Well Number: 177064060600 Paleo Report Num: 1 of 1 Public Info Code: Y 20-MAR-1998</p> | <p>Date of Summary: 03-JAN-1991 Source of Paleo: COMPLETION REPORT (WELL SUMMARY) Paleo Done By: OPERATOR Drilling Operator: BP AMERICA PRODUCTION COMPANY Sample Range: 4500 - 12735 Ecozone Eq MMS:</p> | <p>First Sample Examined: 4500 Borehole MD: 12729 Borehole TVD: 12729 Rkb Elevation: 92 Water Depth: 270 Paleo ID: 001</p> |
|---|---|--|

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5310 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 10880 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 359 | Date of Summary: 13-JUL-1995 | First Sample Examined: 0 |
| Lease Number: G05446 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12565 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 12351 |
| API Well Number: 177064075300 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 116 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 260 |
| Public Info Code: Y 05-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11200 / 10992 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 11900 / 11687 | POS IN Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 12404 / 12190 | POS IN Upper Pliocene (Piacenzian) Textularia 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 377 | Date of Summary: 15-MAR-1993 | First Sample Examined: 5980 |
| Lease Number: G13604 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14000 |
| API Well Number: 177064068000 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 5980 - 14000 | Water Depth: 312 |
| Public Info Code: Y 31-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 5980 / 5974 | DEF AT first sample examined | DEF AT |
| 6130 / 6124 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6370 / 6364 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 7180 / 7174 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9700 / 9690 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT |
| 9760 / 9750 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 11020 / 11009 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT |
| 12400 / 12388 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 14000 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 412 | Date of Summary: 29-MAR-1988 | First Sample Examined: 1600 |
| Lease Number: G06685 | Source of Paleo: OPERATOR | Borehole MD: 10496 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10144 |
| API Well Number: 177064057800 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 1600 - 10120 | Water Depth: 471 |
| Public Info Code: Y 06-FEB-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1600 / 1600 | DEF AT first sample examined | DEF AT 3 |
| 3580 / 3580 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 3 |
| 5710 / 5710 | DEF AT - - - - - | DEF AT 4 |
| 6730 / 6720 | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea | DEF AT 5 |
| 6820 / 6807 | DEF AT - - - - - | DEF AT 4 |
| 9760 / 9480 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 9970 / 9670 | DEF AT - - - - - | DEF AT 5 |
| 10120 / 9806 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 412 | Date of Summary: 28-MAY-1987 | First Sample Examined: 1720 |
| Lease Number: G06685 | Source of Paleo: OPERATOR | Borehole MD: 11700 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11700 |
| API Well Number: 177064059500 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 1720 - 10210 | Water Depth: 512 |
| Public Info Code: Y 13-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 1600 / | DEF AT first sample examined | DEF AT 3 |
| 2710 / | DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF IN 3 |
| 3150 / | DEF AT ----- | DEF AT 3 |
| 3720 / | DEF AT ----- | DEF IN 3 |
| 4110 / | DEF AT ----- | DEF AT 3 |
| 4660 / | DEF AT ----- | DEF IN 3 |
| 4690 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 4720 / | DEF AT ----- | DEF AT 3 |
| 6340 / | DEF AT ----- | DEF IN 3 |
| 6610 / | DEF AT ----- | DEF AT 4 |
| 8200 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 8500 / | DEF AT ----- | DEF AT 5 |
| 8710 / | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT 5 |
| 8770 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 9400 / | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 9580 / | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 5 |
| 10210 / | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|------------------------------------|
| Area Block: VR 412 | Date of Summary: 29-MAR-1988 | First Sample Examined: 4570 |
| Lease Number: G06685 | Source of Paleo: OPERATOR | Borehole MD: 13725 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12421 |
| API Well Number: 177064059501 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 2 | Sample Range: 4570 - 6790 | Water Depth: 512 |
| Public Info Code: Y 31-JUL-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4570 / 4570 | DEF AT first sample examined | DEF AT |
| 4571 / 4571 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6789 / 6531 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 6790 / 6532 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 412 | Date of Summary: 29-MAR-1988 | First Sample Examined: 5800 |
| Lease Number: G06685 | Source of Paleo: OPERATOR | Borehole MD: 13725 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12421 |
| API Well Number: 177064059501 | Drilling Operator: EXXONMOBIL OIL CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 2 of 2 | Sample Range: 5800 - 13720 | Water Depth: 512 |
| Public Info Code: Y 31-JUL-1997 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack 3 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5800 / 5729 | DEF AT first sample examined | DEF AT 3 |
| 8020 / 7562 | DEF AT ----- | DEF IN 3 |
| 8200 / 7716 | DEF AT ----- | DEF AT 4 |
| 10840 / 10017 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 11080 / 10226 | DEF AT ----- | DEF AT 4 |
| 12370 / 11349 | DEF AT ----- | DEF AT 5 |
| 12970 / 11872 | POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT 5 |
| 13639 / 12454 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 13720 / 12524 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: VR 412 | Date of Summary: 29-JUN-1989 | First Sample Examined: 3000 |
| Lease Number: G06685 | Source of Paleo: OPERATOR | Borehole MD: 5356 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 5356 |
| API Well Number: 177064062600 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 2 | Sample Range: 3000 - 5370 | Water Depth: 468 |
| Public Info Code: Y 04-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3000 / 3000 | DEF AT first sample examined | DEF IN 3 |
| 3960 / 3960 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 5190 / 5189 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 5370 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 412 | Date of Summary: 27-JAN-1992 | First Sample Examined: 0 |
| Lease Number: G06685 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5356 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 5356 |
| API Well Number: 177064062600 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 68 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 468 |
| Public Info Code: Y 04-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3450 / 3450 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 3960 / 3960 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5189 / 5188 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 5190 / 5189 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: VR 412 | Date of Summary: 10-NOV-1999 | First Sample Examined: 0 |
| Lease Number: G08678 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10650 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 8362 |
| API Well Number: 177064063100 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 468 |
| Public Info Code: Y 11-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Company-integrated foram and nanno report, in=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3870 / 3625 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 5642 / 4639 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 18 | Date of Summary: 16-JAN-1998 | First Sample Examined: 0 |
| Lease Number: G14300 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15077 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15062 |
| API Well Number: 177004097400 | Drilling Operator: IP PETROLEUM COMPANY INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 26 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 6250 / 6250 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8260 / 8260 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9135 / 9135 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 9730 / 9729 | POS AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT |
| 10425 / 10424 | POS IN Lower Miocene (Aquitanian) Planulina palmerae | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 21 | Date of Summary: 13-DEC-1995 | First Sample Examined: 0 |
| Lease Number: G01352 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10711 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 10711 |
| API Well Number: 177002002800 | Drilling Operator: MIDCON OFFSHORE INC | Rkb Elevation: 42 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 27 |
| Public Info Code: Y 16-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|-----------------------------------|----------------|
| 9487 / | DEF IN deepwater facies Planulina | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 21 | Date of Summary: 04-MAR-1978 | First Sample Examined: 0 |
| Lease Number: G01352 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11972 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 11917 |
| API Well Number: 177004021500 | Drilling Operator: GENERAL AMERICAN OIL COMPANY | Rkb Elevation: 135 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 28 |
| Public Info Code: Y 16-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9420 / 9377 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT |
| 11891 / 11838 | DEF IN Lower Miocene (Aquitanian) Lenticulina hanseni | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 24 | Date of Summary: 31-OCT-1991 | First Sample Examined: 0 |
| Lease Number: G12751 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12117 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12114 |
| API Well Number: 177004084500 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 25 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9779 / 9778 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |
| 10032 / 10030 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |
| 10731 / 10729 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 33 | Date of Summary: 30-JAN-1990 | First Sample Examined: 8000 |
| Lease Number: G10540 | Source of Paleo: OPERATOR | Borehole MD: 13907 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12520 |
| API Well Number: 177004079400 | Drilling Operator: COCKRELL OIL CORPORATION | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 2 | Sample Range: 8000 - 13110 | Water Depth: 27 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report, 11780=Liebusella sp

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8000 / 7654 | DEF AT first sample examined | DEF IN 2 |
| 8450 / 8019 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | POS AT 3 |
| 11000 / 10100 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 11780 / 10744 | DEF AT Arenaceous fauna (local marker) | DEF AT 3 |
| 12750 / 11558 | DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT 3 |
| 13110 / 11858 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WC 33 | Date of Summary: 30-JAN-1990 | First Sample Examined: 12180 |
| Lease Number: G10540 | Source of Paleo: OPERATOR | Borehole MD: 13907 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12520 |
| API Well Number: 177004079400 | Drilling Operator: COCKRELL OIL CORPORATION | Rkb Elevation: 75 |
| Paleo Report Num: 2 of 2 | Sample Range: 12180 - 13907 | Water Depth: 27 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12180 / 11075 | DEF AT first sample examined | DEF AT 3 |
| 12720 / 11533 | DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT 3 |
| 13907 / 12513 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: WC 33 | Date of Summary: 12-NOV-1991 | First Sample Examined: 0 |
| Lease Number: G10540 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11190 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11190 |
| API Well Number: 177004084700 | Drilling Operator: LINDER OIL COMPANY, A PARTNERSHIP | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 25 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8430 / 8429 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 10310 / 10309 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 40 | Date of Summary: 04-MAR-1991 | First Sample Examined: 3100 |
| Lease Number: 00224 | Source of Paleo: OPERATOR | Borehole MD: 11105 |
| Well Name: 006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10996 |
| API Well Number: 177004083500 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 2 | Sample Range: 3100 - 11100 | Water Depth: 40 |
| Public Info Code: Y 01-JAN-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3100 / 3100 | DEF AT first sample examined | DEF IN 1 |
| 3250 / 3250 | DEF AT - - - - - | DEF AT 2 |
| 3730 / 3730 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 7150 / 7125 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 2 |
| 9610 / 9508 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 11100 / 10996 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 40 | Date of Summary: 04-MAR-1991 | First Sample Examined: 3100 |
| Lease Number: 00224 | Source of Paleo: OPERATOR | Borehole MD: 11105 |
| Well Name: 006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10996 |
| API Well Number: 177004083500 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 96 |
| Paleo Report Num: 2 of 2 | Sample Range: 3100 - 11080 | Water Depth: 40 |
| Public Info Code: Y 01-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3100 / 3100 | DEF AT first sample examined | DEF AT |
| 7510 / 7462 | POS IN Middle Miocene (Langhian) Helicosphaera ampliapertura | DEF AT |
| 11080 / 10976 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 40 | Date of Summary: 04-MAR-1991 | First Sample Examined: 5700 |
| Lease Number: 00224 | Source of Paleo: OPERATOR | Borehole MD: 11069 |
| Well Name: 006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11069 |
| API Well Number: 177004083501 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 5700 - 11020 | Water Depth: 40 |
| Public Info Code: Y 01-JAN-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5700 / 5700 | DEF AT first sample examined | DEF IN 2 |
| 9420 / 9418 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF IN 2 |
| 11020 / 11018 | DEF AT last sample examined | DEF IN 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 40 | Date of Summary: 17-JUN-1966 | First Sample Examined: 6920 |
| Lease Number: 00224 | Source of Paleo: OPERATOR | Borehole MD: 14300 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 14300 |
| API Well Number: 177000011900 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 6920 - 10910 | Water Depth: 34 |
| Public Info Code: Y 01-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6920 / | DEF AT first sample examined | DEF AT |
| 6921 / | DEF IN Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 9030 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 9100 / | DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT |
| 10910 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 40 | Date of Summary: 17-JUN-1966 | First Sample Examined: 9030 |
| Lease Number: 00224 | Source of Paleo: OPERATOR | Borehole MD: 14005 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 14005 |
| API Well Number: 177000011600 | Drilling Operator: CONOCOPHILLIPS COMPANY | Rkb Elevation: 58 |
| Paleo Report Num: 1 of 2 | Sample Range: 9030 - 14010 | Water Depth: 34 |
| Public Info Code: Y 01-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 9030 / | DEF AT first sample examined | DEF AT |
| 9031 / | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 11000 / | DEF AT poor sample interval top | DEF AT |
| 13680 / | DEF AT Lower Miocene (Aquitanian) Siphonina davisi | DEF AT |
| 14000 / | DEF AT poor sample interval bottom | DEF AT |
| 14010 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 42 | Date of Summary: 24-NOV-1998 | First Sample Examined: 0 |
| Lease Number: G14301 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14000 |
| API Well Number: 177004101300 | Drilling Operator: BARRETT RESOURCES CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 30 |
| Public Info Code: Y 31-MAY-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 9060 / 9059 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 9720 / 9719 | DEF AT - - - - - | DEF AT 3 |
| 9870 / 9869 | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT 3 |
| 10890 / 10889 | DEF AT Lower Miocene (Aquitanian) Planulina palmerae | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: WC 54 | Date of Summary: 01-SEP-1999 | First Sample Examined: 0 |
| Lease Number: G14304 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16550 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15068 |
| API Well Number: 177004095500 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 33 |
| Public Info Code: Y 23-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|-----------------------------------|----------------|
| 15045 / 13879 | DEF IN deepwater facies Planulina | DEF AT |
| 15063 / 13893 | DEF IN deepwater facies Planulina | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 69 | Date of Summary: 22-AUG-1991 | First Sample Examined: 0 |
| Lease Number: G11760 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14600 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 14600 |
| API Well Number: 177004083100 | Drilling Operator: NORCEN EXPLORER INC | Rkb Elevation: 83 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 35 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8653 / 8652 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 11212 / 11211 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 12200 / 12199 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 71 | Date of Summary: 14-FEB-1991 | First Sample Examined: 0 |
| Lease Number: 00244 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14830 |
| Well Name: 026 | Paleo Done By: OPERATOR | Borehole TVD: 14615 |
| API Well Number: 177004067600 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 45 |
| Public Info Code: Y 27-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12688 / 12473 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 71 | Date of Summary: 12-MAY-1986 | First Sample Examined: 0 |
| Lease Number: 00244 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11538 |
| Well Name: 028 | Paleo Done By: OPERATOR | Borehole TVD: 11353 |
| API Well Number: 177004071000 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 132 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 36 |
| Public Info Code: Y 28-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10488 / 10339 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 72 | Date of Summary: 21-MAY-1970 | First Sample Examined: 0 |
| Lease Number: 00245 | Source of Paleo: OPERATOR | Borehole MD: 14427 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14427 |
| API Well Number: 177002002400 | Drilling Operator: SUPERIOR OIL COMPANY | Rkb Elevation: 73 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 39 |
| Public Info Code: Y 01-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8130 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8760 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 72 | Date of Summary: 21-MAY-1970 | First Sample Examined: 0 |
| Lease Number: 00245 | Source of Paleo: OPERATOR | Borehole MD: 12386 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 11420 |
| API Well Number: 177002003500 | Drilling Operator: SUPERIOR OIL COMPANY | Rkb Elevation: 62 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 38 |
| Public Info Code: Y 01-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8940 / 7996 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 9540 / 8595 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 11450 / 10504 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 72 | Date of Summary: 11-JUN-1990 | First Sample Examined: 0 |
| Lease Number: 00245 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14830 |
| Well Name: H001 | Paleo Done By: OPERATOR | Borehole TVD: 14830 |
| API Well Number: 177004045700 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 136 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 37 |
| Public Info Code: Y 01-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8500 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 13700 / | DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi | DEF AT |
| 14770 / | DEF AT Lower Miocene (Aquitanian) Siphonina davisii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 97 | Date of Summary: 13-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G11763 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13628 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13200 |
| API Well Number: 177004090400 | Drilling Operator: GULFSTAR ENERGY INC | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 41 |
| Public Info Code: Y 26-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8640 / 8239 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 12050 / 11624 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 100 | Date of Summary: 02-MAY-1989 | First Sample Examined: 7000 |
| Lease Number: G06569 | Source of Paleo: OPERATOR | Borehole MD: 13240 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13234 |
| API Well Number: 177004077000 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 71 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 13240 | Water Depth: 45 |
| Public Info Code: Y 18-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 7000 / 7000 | DEF AT first sample examined | DEF IN 2 |
| 7060 / 7060 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 7270 / 7270 | DEF AT local marker foram decrease | DEF AT 3 |
| 7300 / 7300 | DEF IN Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 3 |
| 7600 / 7600 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 8020 / 8019 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 3 |
| 9040 / 9039 | DEF AT local marker foram increase | DEF AT 3 |
| 9370 / 9369 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 11380 / 11378 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 11470 / 11468 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 13150 / 13144 | POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 4 |
| 13180 / 13174 | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 4 |
| 13240 / 13234 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 100 | Date of Summary: 31-JUL-1989 | First Sample Examined: 7000 |
| Lease Number: G06569 | Source of Paleo: OPERATOR | Borehole MD: 13344 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12990 |
| API Well Number: 177004078100 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 7000 - 13344 | Water Depth: 44 |
| Public Info Code: Y 18-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7000 / 6952 | DEF AT first sample examined | DEF IN 2 |
| 7120 / 7064 | DEF AT - - - - - | DEF AT 3 |
| 7570 / 7489 | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 9400 / 9208 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 11590 / 11272 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 11650 / 11330 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 13270 / 12914 | DEF AT - - - - - | DEF AT 4 |
| 13344 / 12986 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 101 | Date of Summary: 12-JUN-1970 | First Sample Examined: 4983 |
| Lease Number: 00246 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 16516 |
| Well Name: C001 | Paleo Done By: LEE LATTA | Borehole TVD: 16516 |
| API Well Number: 177000014900 | Drilling Operator: SUPERIOR OIL COMPANY | Rkb Elevation: 36 |
| Paleo Report Num: 1 of 2 | Sample Range: 4983 - 16452 | Water Depth: 40 |
| Public Info Code: Y 21-MAR-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4983 / | DEF AT first sample examined | POS AT 2 |
| 4984 / | POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | POS AT 2 |
| 5013 / | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 2 |
| 5279 / | DEF AT local marker foram decrease | DEF AT 2 |
| 5450 / | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT 2 |
| 5903 / | POS IN Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT 2 |
| 5963 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 6200 / | POS AT Upper Miocene (Tortonian) Robulus 15 | DEF AT 2 |
| 6590 / | POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF IN 2 |
| 6919 / | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT 3 |
| 6979 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 7244 / | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 7929 / | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 3 |
| 8501 / | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 3 |
| 8769 / | DEF AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 3 |
| 9039 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 11254 / | POS AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 3 |
| 11255 / | POS IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 11525 / | DEF AT local marker benthic foram increase | DEF AT 3 |
| 11795 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 13220 / | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 13557 / | POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 101 | Date of Summary: 12-JUN-1970 | First Sample Examined: 4983 |
| Lease Number: 00246 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 16516 |
| Well Name: C001 | Paleo Done By: LEE LATTA | Borehole TVD: 16516 |
| API Well Number: 177000014900 | Drilling Operator: SUPERIOR OIL COMPANY | Rkb Elevation: 36 |
| Paleo Report Num: 1 of 2 | Sample Range: 4983 - 16452 | Water Depth: 40 |
| Public Info Code: Y 21-MAR-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13558 / | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 4 |
| 16452 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 101 | Date of Summary: 17-OCT-1985 | First Sample Examined: 0 |
| Lease Number: 00246 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12100 |
| Well Name: L001 | Paleo Done By: OPERATOR | Borehole TVD: 12100 |
| API Well Number: 177004055000 | Drilling Operator: SUPERIOR OIL COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 40 |
| Public Info Code: Y 21-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9000 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 9600 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 101 | Date of Summary: 18-MAR-1991 | First Sample Examined: 0 |
| Lease Number: 00246 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13476 |
| Well Name: L002 | Paleo Done By: OPERATOR | Borehole TVD: 13186 |
| API Well Number: 177004066000 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 45 |
| Public Info Code: Y 21-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8796 / 8795 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 108 | Date of Summary: 28-AUG-1992 | First Sample Examined: 0 |
| Lease Number: G12759 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14417 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 14416 |
| API Well Number: 177004085300 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 43 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 7481 / 7481 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7761 / 7761 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 8757 / 8756 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 9466 / 9465 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 9528 / 9527 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10442 / 10441 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 12316 / 12315 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 12949 / 12948 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 14159 / 14158 | POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: WC 109 | Date of Summary: 14-FEB-1990 | First Sample Examined: 9010 |
| Lease Number: G07601 | Source of Paleo: OPERATOR | Borehole MD: 14265 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 14262 |
| API Well Number: 177004078500 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 4530 - 14265 | Water Depth: 40 |
| Public Info Code: Y 06-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 9010 / | DEF AT first sample examined | DEF AT 1 |
| 9200 / | DEF AT - - - - - | DEF AT 2 |
| 9500 / | DEF AT - - - - - | DEF AT 1 |
| 9690 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 1 |
| 11130 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |
| 12900 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 1 |
| 13890 / | DEF AT - - - - - | DEF AT 2 |
| 13950 / | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 2 |
| 14050 / | DEF AT - - - - - | DEF AT 1 |
| 14265 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 109 | Date of Summary: 16-DEC-1992 | First Sample Examined: 0 |
| Lease Number: G07601 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15570 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 15008 |
| API Well Number: 177004072000 | Drilling Operator: NEWFIELD EXPLORATION COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 06-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11870 / 11467 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 14115 / 13595 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: WC 109 | Date of Summary: 15-JUN-1995 | First Sample Examined: 0 |
| Lease Number: G07601 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13715 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 12375 |
| API Well Number: 177004079600 | Drilling Operator: NEWFIELD EXPLORATION COMPANY | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 43 |
| Public Info Code: Y 06-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12550 / 11297 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 12950 / 11662 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 109 | Date of Summary: 25-JUN-1993 | First Sample Examined: 0 |
| Lease Number: G07601 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13490 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 12479 |
| API Well Number: 177004084601 | Drilling Operator: NEWFIELD EXPLORATION COMPANY | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 06-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12710 / 11699 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 12790 / 11779 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 115 | Date of Summary: 19-DEC-1975 | First Sample Examined: 0 |
| Lease Number: G02828 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15000 |
| API Well Number: 177004015600 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 38 |
| Public Info Code: Y 11-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6340 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 10760 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 11160 / | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 115 | Date of Summary: 18-SEP-1991 | First Sample Examined: 0 |
| Lease Number: G02828 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10461 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 10461 |
| API Well Number: 177004084000 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 36 |
| Public Info Code: Y 11-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4487 / 4487 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5142 / 5142 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6400 / 6400 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7600 / 7599 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT |
| 8470 / 8469 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8650 / 8649 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10130 / 10129 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 116 | Date of Summary: 17-DEC-1980 | First Sample Examined: 0 |
| Lease Number: G02829 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13000 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 12998 |
| API Well Number: 177004037400 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 60 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 36 |
| Public Info Code: Y 27-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8440 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8530 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 11140 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 11950 / | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 116 | Date of Summary: 11-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G02829 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11715 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 11290 |
| API Well Number: 177004078800 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 36 |
| Public Info Code: Y 27-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10571 / 10202 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 11580 / 11162 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 11715 / 11293 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 132 | Date of Summary: 07-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G04754 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10156 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10156 |
| API Well Number: 177004053500 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 122 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 37 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 4505 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 4950 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 5340 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6390 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 9360 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 9540 / | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 132 | Date of Summary: 12-AUG-1982 | First Sample Examined: 4830 |
| Lease Number: G04754 | Source of Paleo: OPERATOR | Borehole MD: 11692 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11292 |
| API Well Number: 177004055800 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 123 |
| Paleo Report Num: 1 of 1 | Sample Range: 4830 - 11692 | Water Depth: 39 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4830 / 4530 | DEF AT first sample examined | DEF AT 2 |
| 4831 / 4531 | DEF IN Upper Miocene (Tortonian) Amphistegina "E" | DEF AT 2 |
| 5340 / 5003 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 6960 / 6565 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 8520 / 8122 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 8670 / 8272 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 9270 / 8871 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 10080 / 9681 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 3 |
| 10690 / 10291 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 11140 / 10741 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 11692 / 11292 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 132 | Date of Summary: 20-MAY-1983 | First Sample Examined: 0 |
| Lease Number: G04754 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11300 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 10599 |
| API Well Number: 177004056901 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 122 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 39 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4800 / 4634 | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |
| 5130 / 4934 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6030 / 5761 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 6870 / 6543 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7020 / 6682 | DEF AT - - - - - | DEF AT 3 |
| 7620 / 7236 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 8550 / 8077 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 9180 / 8639 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 10520 / 9865 | DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 3 |
| 10581 / 9921 | DEF IN Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 132 | Date of Summary: 18-JAN-1983 | First Sample Examined: 0 |
| Lease Number: G04754 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11398 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 10407 |
| API Well Number: 177004057000 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 123 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 39 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4830 / 4807 | DEF AT Upper Miocene (Tortonian) Amphistegina "E" | DEF AT |
| 5340 / 5253 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6960 / 6604 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8520 / 7895 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 8670 / 8019 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 9270 / 8530 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 10080 / 9232 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |
| 10690 / 9762 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT |
| 11140 / 10168 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 132 | Date of Summary: 14-SEP-1983 | First Sample Examined: 0 |
| Lease Number: G04754 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12100 |
| Well Name: 006 | Paleo Done By: OPERATOR | Borehole TVD: 10306 |
| API Well Number: 177004059200 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 122 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 37 |
| Public Info Code: Y 10-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7000 / 6021 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 8890 / 7681 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 9760 / 8527 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 10210 / 8975 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 10480 / 9244 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 135 | Date of Summary: 05-SEP-1995 | First Sample Examined: 8010 |
| Lease Number: G11766 | Source of Paleo: OPERATOR | Borehole MD: 15019 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15016 |
| API Well Number: 177004091300 | Drilling Operator: KERR-MCGEE CORPORATION | Rkb Elevation: 118 |
| Paleo Report Num: 1 of 1 | Sample Range: 8010 - 15019 | Water Depth: 42 |
| Public Info Code: Y 29-DEC-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8010 / 8010 | DEF AT first sample examined | DEF AT 2 |
| 8100 / 8100 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 2 |
| 8310 / 8310 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 8790 / 8789 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 3 |
| 9360 / 9359 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 11040 / 11039 | POS AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 3 |
| 12030 / 12029 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 12600 / 12599 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3 |
| 15019 / 15016 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 142 | Date of Summary: 12-NOV-1997 | First Sample Examined: 0 |
| Lease Number: G13560 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10505 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10505 |
| API Well Number: 177004086400 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 46 |
| Public Info Code: Y 31-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 5000 / | POS AT Upper (Late) Miocene | DEF AT |
| 5995 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 7618 / | DEF IN Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT |
| 8050 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 9305 / | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 9848 / | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 143 | Date of Summary: 27-DEC-1985 | First Sample Examined: 1030 |
| Lease Number: G06572 | Source of Paleo: OPERATOR | Borehole MD: 18500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18429 |
| API Well Number: 177004069000 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 1030 - 18500 | Water Depth: 46 |
| Public Info Code: Y 06-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1030 / 1030 | DEF AT first sample examined | DEF AT 1 |
| 5050 / 5050 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 1 |
| 5680 / 5679 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 5920 / 5919 | DEF AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT 2 |
| 6670 / 6669 | POS IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 7899 / 7898 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT 3 |
| 7900 / 7899 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 8080 / 8079 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 3 |
| 8110 / 8109 | DEF AT - - - - - | DEF AT 4 |
| 8500 / 8499 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 4 |
| 8800 / 8799 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 4 |
| 9550 / 9548 | POS AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 3 |
| 9610 / 9608 | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 4 |
| 9935 / 9932 | DEF AT - - - - - | DEF AT 3 |
| 10298 / 10295 | DEF AT foram flood | DEF AT 3 |
| 10299 / 10296 | DEF AT Eggerella 3 (local marker) | DEF AT 3 |
| 10300 / 10297 | POS AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 3 |
| 10450 / 10447 | DEF AT - - - - - | DEF AT 4 |
| 10540 / 10537 | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 10630 / 10627 | DEF AT - - - - - | DEF AT 2 |
| 11110 / 11106 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 2 |
| 15250 / 15244 | DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 143 | Date of Summary: 27-DEC-1985 | First Sample Examined: 1030 |
| Lease Number: G06572 | Source of Paleo: OPERATOR | Borehole MD: 18500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 18429 |
| API Well Number: 177004069000 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 1030 - 18500 | Water Depth: 46 |
| Public Info Code: Y 06-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 15730 / 15724 | DEF AT cement | POS AT 3 |
| 15790 / 15784 | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 16780 / 16767 | DEF AT ----- | DEF IN 3 |
| 17050 / 17035 | DEF AT ----- | DEF AT 3 |
| 17410 / 17392 | DEF AT ----- | DEF IN 3 |
| 17770 / 17745 | POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF IN 3 |
| 18040 / 18004 | DEF AT ----- | DEF AT 4 |
| 18500 / 18429 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 143 | Date of Summary: 01-APR-1986 | First Sample Examined: 5020 |
| Lease Number: G06572 | Source of Paleo: OPERATOR | Borehole MD: 9000 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8997 |
| API Well Number: 177004070800 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 5020 - 8740 | Water Depth: 44 |
| Public Info Code: Y 27-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 5020 / 5020 | DEF AT first sample examined | DEF AT |
| 5021 / 5021 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5560 / 5559 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 5740 / 5739 | DEF AT Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT |
| 7450 / 7449 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |
| 7510 / 7509 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 7630 / 7629 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT |
| 7899 / 7898 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT |
| 7900 / 7899 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8739 / 8737 | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 8740 / 8738 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 143 | Date of Summary: 01-APR-1986 | First Sample Examined: 6300 |
| Lease Number: G06572 | Source of Paleo: OPERATOR | Borehole MD: 9137 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9000 |
| API Well Number: 177004070801 | Drilling Operator: SOHIO ALASKA PETROLEUM COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 6300 - 7970 | Water Depth: 44 |
| Public Info Code: Y 08-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 6300 / 6300 | DEF AT first sample examined | DEF AT |
| 6301 / 6301 | DEF IN Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT |
| 6950 / 6941 | POS AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 7760 / 7698 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |
| 7819 / 7753 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT |
| 7820 / 7754 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 7910 / 7838 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT |
| 7969 / 7894 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 7970 / 7895 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: WC 145 | Date of Summary: 18-SEP-1984 | First Sample Examined: 6200 |
| Lease Number: G01995 | Source of Paleo: OPERATOR | Borehole MD: 11505 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 11505 |
| API Well Number: 177004017300 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 1 | Sample Range: 6200 - 11850 | Water Depth: 38 |
| Public Info Code: Y 23-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|---------|
| 6200 / | DEF AT first sample examined | DEF AT |
| 6201 / | DEF IN Upper Miocene (Tortonian) Eponides mansfieldi | DEF AT |
| 6380 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6680 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 7100 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 7400 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 8250 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8660 / | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 11850 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 11880 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 146 | Date of Summary: 03-APR-1992 | First Sample Examined: 0 |
| Lease Number: G01996 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12100 |
| Well Name: 009 | Paleo Done By: OPERATOR | Borehole TVD: 11019 |
| API Well Number: 177004074900 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 41 |
| Public Info Code: Y 28-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 5010 / 5010 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5460 / 5460 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6330 / 6330 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 7380 / 7370 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 7740 / 7706 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8850 / 8617 | POS AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 10260 / 9668 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 161 | Date of Summary: 01-MAY-1996 | First Sample Examined: 5030 |
| Lease Number: G12774 | Source of Paleo: OPERATOR | Borehole MD: 15225 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 15225 |
| API Well Number: 177014028900 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 5030 - 15225 | Water Depth: 43 |
| Public Info Code: Y 14-JUN-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5030 / 5030 | DEF AT first sample examined | DEF AT 1 |
| 5120 / 5120 | DEF AT Upper Miocene (Tortonian) Bigenerina "B" | DEF AT 1 |
| 5180 / 5180 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 1 |
| 5210 / 5210 | DEF AT sample gap top | POS AT 1 |
| 5300 / 5300 | DEF AT sample gap bottom | DEF AT 1 |
| 5390 / 5390 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 1 |
| 5840 / 5840 | DEF AT Arenaceous fauna (local marker) | DEF AT 1 |
| 6080 / 6080 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT 1 |
| 6170 / 6170 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 1 |
| 6650 / 6650 | DEF AT Middle Miocene (Serravallian) Robulus 5 / 55 | DEF AT 1 |
| 6890 / 6890 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 2 |
| 7010 / 7010 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 7098 / 7098 | POS AT unconformity | DEF AT 1 |
| 7099 / 7099 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 1 |
| 7100 / 7100 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 1 |
| 7370 / 7370 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta | DEF AT 1 |
| 7790 / 7790 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 1 |
| 7970 / 7970 | DEF AT limestone | DEF AT 1 |
| 8120 / 8120 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 1 |
| 8179 / 8179 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT 1 |
| 8180 / 8180 | DEF AT Middle Miocene (Langhian) Globigerinoides sicanus | DEF AT 1 |
| 8330 / 8329 | DEF AT local marker benthic foram increase | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 161 | Date of Summary: 01-MAY-1996 | First Sample Examined: 5030 |
| Lease Number: G12774 | Source of Paleo: OPERATOR | Borehole MD: 15225 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 15225 |
| API Well Number: 177014028900 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 5030 - 15225 | Water Depth: 43 |
| Public Info Code: Y 14-JUN-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8479 / 8478 | POS AT unconformity | DEF AT 2 |
| 8480 / 8479 | DEF AT local marker foram decrease | DEF AT 2 |
| 8570 / 8569 | DEF AT Eggerella sp. (local marker) | DEF AT 2 |
| 8750 / 8749 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 2 |
| 8870 / 8869 | DEF AT limestone | DEF AT 1 |
| 9170 / 9169 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 1 |
| 9560 / 9559 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 9800 / 9799 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 10670 / 10669 | POS AT Lower Miocene (Burdigalian) Saracenaria sp. / "D" | DEF AT 1 |
| 10730 / 10729 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 10760 / 10759 | DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4 | DEF AT 2 |
| 10940 / 10939 | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 11120 / 11119 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 11480 / 11479 | POS AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 2 |
| 11540 / 11539 | DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT 1 |
| 11960 / 11959 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 12560 / 12559 | DEF AT cement | POS AT 2 |
| 12590 / 12589 | DEF AT local marker planktic foram increase | DEF AT 2 |
| 13220 / 13219 | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 2 |
| 13340 / 13339 | DEF AT Lower Miocene (Burdigalian) Globigerina binaensis | DEF AT 2 |
| 13460 / 13459 | DEF IN local marker benthic foram increase | DEF AT 2 |
| 13490 / 13489 | DEF AT Eggerella sp. (local marker) | DEF AT 2 |
| 13550 / 13549 | DEF AT local marker benthic foram increase | DEF AT 3 |
| 14630 / 14628 | DEF AT local marker planktic foram increase | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 161 | Date of Summary: 01-MAY-1996 | First Sample Examined: 5030 |
| Lease Number: G12774 | Source of Paleo: OPERATOR | Borehole MD: 15225 |
| Well Name: 001 | Paleo Done By: APPLIED BIOSTRATIGRAPHIX | Borehole TVD: 15225 |
| API Well Number: 177014028900 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 5030 - 15225 | Water Depth: 43 |
| Public Info Code: Y 14-JUN-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|-------------------------------------|----------------|
| 14660 / 14658 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 15225 / 15222 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 163 | Date of Summary: 09-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G05299 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11771 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11667 |
| API Well Number: 177014017500 | Drilling Operator: PG&E RESOURCES OFFSHORE CO | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 20-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7350 / 7247 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: WC 167 | Date of Summary: 01-FEB-1989 | First Sample Examined: 15015 |
| Lease Number: G09400 | Source of Paleo: OPERATOR | Borehole MD: 16911 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16890 |
| API Well Number: 177004070200 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 15015 - 16911 | Water Depth: 48 |
| Public Info Code: Y 13-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 15015 / | DEF AT first sample examined | DEF IN 2 |
| 16250 / | DEF AT - - - - - | DEF AT 3 |
| 16280 / | DEF AT Lower Miocene (Burdigalian) Robulus chambersi | DEF AT 3 |
| 16911 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 168 | Date of Summary: 21-JUN-1984 | First Sample Examined: 0 |
| Lease Number: G05283 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16082 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 14898 |
| API Well Number: 177004063600 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 40 |
| Public Info Code: Y 11-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9300 / 9238 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 11100 / 10785 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 11800 / 11377 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 15500 / 14383 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 175 | Date of Summary: 01-DEC-1998 | First Sample Examined: 0 |
| Lease Number: G15061 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8735 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8594 |
| API Well Number: 177004101000 | Drilling Operator: CIECO ENERGY VENTURES LLC | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 51 |
| Public Info Code: Y 11-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6726 / 6695 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7572 / 7494 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 8150 / 8041 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 177 | Date of Summary: 05-AUG-1997 | First Sample Examined: 6350 |
| Lease Number: G01471 | Source of Paleo: OPERATOR | Borehole MD: 18625 |
| Well Name: 008 | Paleo Done By: OPERATOR | Borehole TVD: 18609 |
| API Well Number: 177004096300 | Drilling Operator: MARATHON OIL COMPANY | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 6350 - 18620 | Water Depth: 53 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6350 / 6347 | DEF AT first sample examined | DEF AT 2 |
| 6351 / 6348 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 2 |
| 6980 / 6977 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 7070 / 7067 | DEF AT - - - - - | DEF AT 3 |
| 7730 / 7727 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 7880 / 7877 | POS AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 3 |
| 8660 / 8657 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 9170 / 9167 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 9500 / 9497 | DEF AT - - - - - | POS AT 4 |
| 9740 / 9737 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 4 |
| 11120 / 11116 | DEF AT - - - - - | DEF AT 3 |
| 11630 / 11626 | POS AT Middle Miocene (Langhian) Globigerinatella insueta | DEF AT 3 |
| 12110 / 12106 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT 3 |
| 12500 / 12495 | DEF AT Middle Miocene (Langhian) Cibicides 38 | DEF AT 3 |
| 14270 / 14264 | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT 3 |
| 16430 / 16421 | DEF AT - - - - - | DEF AT 2 |
| 17600 / 17589 | DEF AT - - - - - | DEF AT 3 |
| 17990 / 17977 | DEF AT - - - - - | DEF AT 4 |
| 18620 / 18604 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 178 | Date of Summary: 11-JUN-1998 | First Sample Examined: 0 |
| Lease Number: G05286 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11478 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 11478 |
| API Well Number: 177004071900 | Drilling Operator: DIAMOND SHAMROCK OFFSHORE PARTNERS | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 48 |
| Public Info Code: Y 07-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8100 / | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 9315 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 178 | Date of Summary: 22-APR-1986 | First Sample Examined: 0 |
| Lease Number: G05286 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11972 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 11099 |
| API Well Number: 177004072200 | Drilling Operator: MIDGARD ENERGY COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 49 |
| Public Info Code: Y 08-MAY-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8600 / 8099 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 9990 / 9312 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 10410 / 9688 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|---------------------------------|
| Area Block: WC 178 | Date of Summary: 29-MAR-1996 | First Sample Examined: 0 |
| Lease Number: G15061 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14510 |
| Well Name: B004 | Paleo Done By: OPERATOR | Borehole TVD: 13537 |
| API Well Number: 177004092700 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 147 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 11-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9350 / 8760 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 12135 / 11242 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: WC 186 | Date of Summary: 09-JUL-1993 | First Sample Examined: 0 |
| Lease Number: G10553 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13000 |
| API Well Number: 177004083700 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 55 |
| Public Info Code: Y 31-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 8398 / 8398 | DEF IN Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 9039 / 9039 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 10466 / 10466 | DEF IN Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 11837 / 11836 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 12220 / 12217 | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 12941 / 12937 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 187 | Date of Summary: 08-DEC-1989 | First Sample Examined: 0 |
| Lease Number: G05290 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12897 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 12887 |
| API Well Number: 177004073300 | Drilling Operator: ODECO OIL & GAS COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 54 |
| Public Info Code: Y 22-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9960 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 11540 / | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 11850 / | DEF IN Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 12400 / | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 187 | Date of Summary: 20-DEC-1989 | First Sample Examined: 0 |
| Lease Number: G05290 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12350 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 12343 |
| API Well Number: 177004074700 | Drilling Operator: ODECO DRILLING INC | Rkb Elevation: 69 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 54 |
| Public Info Code: Y 22-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5643 / 5642 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 7153 / 7152 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 7586 / 7584 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 9450 / 9446 | DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta | DEF AT |
| 9512 / 9508 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 9977 / 9973 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: WC 190 | Date of Summary: 11-JAN-1999 | First Sample Examined: 0 |
| Lease Number: G19707 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9350 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9350 |
| API Well Number: 177004101800 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 23-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 5630 / 5630 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 6888 / 6888 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 7906 / 7906 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 8445 / 8445 | DEF IN Upper Miocene (Tortonian) Robulus 15 | DEF AT |
| 9111 / 9111 | DEF IN Upper Miocene (Tortonian) Robulus 15 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 191 | Date of Summary: 10-JAN-1994 | First Sample Examined: 5700 |
| Lease Number: G11769 | Source of Paleo: OPERATOR | Borehole MD: 11747 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 11747 |
| API Well Number: 177004088500 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 5700 - 11747 | Water Depth: 55 |
| Public Info Code: Y 30-JUN-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5700 / 5700 | DEF AT first sample examined | DEF AT 2 |
| 6570 / 6569 | DEF AT - - - - - | DEF AT 3 |
| 6630 / 6629 | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 7320 / 7319 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 7890 / 7889 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 3 |
| 8400 / 8398 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT 3 |
| 9090 / 9086 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 9810 / 9800 | DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 3 |
| 10050 / 10037 | DEF AT - - - - - | DEF AT 4 |
| 10290 / 10276 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 4 |
| 11280 / 11265 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 4 |
| 11747 / 11732 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: WC 195 | Date of Summary: 30-SEP-1994 | First Sample Examined: 0 |
| Lease Number: G10554 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17105 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15962 |
| API Well Number: 177004089300 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 58 |
| Public Info Code: Y 25-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8214 / 8214 | DEF IN Upper Miocene (Tortonian) Robulus 15 | DEF AT |
| 10284 / 10272 | DEF IN Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 13719 / 13186 | DEF IN Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 14210 / 13606 | DEF IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 15014 / 14326 | DEF IN Middle Miocene (Serravallian) Cibicides opima | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 196 | Date of Summary: 21-MAR-1985 | First Sample Examined: 0 |
| Lease Number: G05292 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 17088 |
| API Well Number: 177004066400 | Drilling Operator: TEXACO INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 57 |
| Public Info Code: Y 25-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 10000 / 9999 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT |
| 10930 / 10929 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 11770 / 11769 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 14110 / 14106 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 15190 / 15185 | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 16030 / 16022 | DEF AT Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 196 | Date of Summary: 14-JUL-1988 | First Sample Examined: 0 |
| Lease Number: G05292 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14598 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 14588 |
| API Well Number: 177004069500 | Drilling Operator: TEXAS, INC. | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 57 |
| Public Info Code: Y 14-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9865 / 9864 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT |
| 11980 / 11976 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 12400 / 12395 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: WC 196 | Date of Summary: 14-FEB-1989 | First Sample Examined: 0 |
| Lease Number: G05292 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12415 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 11590 |
| API Well Number: 177004076200 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 57 |
| Public Info Code: Y 21-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8910 / 8343 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 9990 / 9312 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 10260 / 9561 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT |
| 10980 / 10240 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 205 | Date of Summary: 09-MAY-1984 | First Sample Examined: 5010 |
| Lease Number: G02832 | Source of Paleo: OPERATOR | Borehole MD: 14035 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 14035 |
| API Well Number: 177004064800 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 2 | Sample Range: 345 - 13830 | Water Depth: 57 |
| Public Info Code: Y 20-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 5010 / | DEF AT first sample examined | DEF AT 1 |
| 5011 / | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 5250 / | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT 2 |
| 5400 / | DEF AT sample gap top | POS AT 2 |
| 7500 / | DEF AT sample gap bottom | DEF AT 2 |
| 7740 / | DEF IN Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 7920 / | DEF AT - - - - | DEF AT 2 |
| 8040 / | DEF AT Upper Miocene (Tortonian) Cyclamina 3 | DEF AT 2 |
| 8790 / | DEF AT local marker planktic foram increase | DEF AT 2 |
| 9090 / | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 9180 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 2 |
| 9420 / | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 2 |
| 10110 / | POS AT - - - - | POS AT 2 |
| 10619 / | DEF AT local marker foram increase | DEF AT 3 |
| 10620 / | POS AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 3 |
| 10890 / | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT 3 |
| 11580 / | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT 3 |
| 11730 / | DEF AT Middle Miocene (Serravallian) Gyroidina miocenica | DEF AT 3 |
| 12420 / | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 12810 / | DEF AT local marker foram decrease | POS AT 2 |
| 13110 / | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 2 |
| 13326 / | DEF AT - - - - | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 205 | Date of Summary: 09-MAY-1984 | First Sample Examined: 5010 |
| Lease Number: G02832 | Source of Paleo: OPERATOR | Borehole MD: 14035 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 14035 |
| API Well Number: 177004064800 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 2 | Sample Range: 345 - 13830 | Water Depth: 57 |
| Public Info Code: Y 20-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------------|----------------|
| 13440 / | DEF AT local marker foram increase | DEF AT 3 |
| 13846 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WC 205 | Date of Summary: 23-MAY-1984 | First Sample Examined: 12750 |
| Lease Number: G02832 | Source of Paleo: OPERATOR | Borehole MD: 14035 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 14035 |
| API Well Number: 177004064800 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 2 of 2 | Sample Range: 12750 - 14035 | Water Depth: 57 |
| Public Info Code: Y 20-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 12750 / | DEF AT first sample examined | DEF AT 3 |
| 12751 / | POS IN Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 13080 / | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 3 |
| 13500 / | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT 3 |
| 13830 / | DEF AT local marker foram decrease | DEF AT 3 |
| 13950 / | DEF AT local marker foram increase | DEF AT 3 |
| 14035 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: WC 211 | Date of Summary: 13-SEP-1995 | First Sample Examined: 0 |
| Lease Number: G11771 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13895 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13895 |
| API Well Number: 177004091800 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 56 |
| Public Info Code: Y 27-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 6660 / 6656 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 6900 / 6896 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 7620 / 7613 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 8670 / 8661 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 10290 / 10280 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |
| 11010 / 11000 | DEF AT Arenaceous fauna (local marker) | DEF AT |
| 11790 / 11780 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 12360 / 12350 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 13260 / 13249 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 212 | Date of Summary: 27-APR-1990 | First Sample Examined: 1000 |
| Lease Number: G04758 | Source of Paleo: OPERATOR | Borehole MD: 4150 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 3987 |
| API Well Number: 177004080400 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 4190 | Water Depth: 54 |
| Public Info Code: Y 14-JUN-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 1000 / 1000 | DEF AT first sample examined | DEF AT 1 |
| 3940 / 3798 | DEF IN Pleistocene | DEF AT 1 |
| 4190 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 213 | Date of Summary: 25-FEB-1993 | First Sample Examined: 0 |
| Lease Number: G12768 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7190 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7190 |
| API Well Number: 177004086500 | Drilling Operator: KING RANCH OIL AND GAS INC | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 56 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5440 / 5440 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 7010 / 7009 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 229 | Date of Summary: 18-JUN-1993 | First Sample Examined: 0 |
| Lease Number: G00902 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8800 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 8800 |
| API Well Number: 177004069900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 112 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 64 |
| Public Info Code: Y 23-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4900 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 7120 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 7660 / | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 7990 / | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 230 | Date of Summary: 23-OCT-1992 | First Sample Examined: 5600 |
| Lease Number: G10560 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10435 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9842 |
| API Well Number: 177004085200 | Drilling Operator: SENECA RESOURCES CORPORATION | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 5600 - 10645 | Water Depth: 63 |
| Public Info Code: Y 19-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5600 / 5346 | DEF AT first sample examined | DEF AT 3 |
| 5870 / 5588 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 6230 / 5918 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 7820 / 7393 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 9320 / 8780 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 9740 / 9181 | DEF AT - - - - - | DEF AT 4 |
| 10520 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 10645 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 230 | Date of Summary: 30-JUL-1992 | First Sample Examined: 5010 |
| Lease Number: G10560 | Source of Paleo: OPERATOR | Borehole MD: 10665 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9645 |
| API Well Number: 177004085400 | Drilling Operator: SENECA RESOURCES CORPORATION | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 5010 - 10665 | Water Depth: 63 |
| Public Info Code: Y 19-JAN-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 5010 / 4676 | DEF AT first sample examined | DEF AT 2 |
| 5280 / 4902 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 5520 / 5101 | DEF AT - - - - - | DEF AT 3 |
| 5880 / 5399 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 7510 / 6829 | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 9010 / 8174 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 9460 / 8574 | DEF AT - - - - - | DEF AT 4 |
| 10360 / 9376 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 10665 / 9645 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 230 | Date of Summary: 24-AUG-1992 | First Sample Examined: 5600 |
| Lease Number: G10560 | Source of Paleo: OPERATOR | Borehole MD: 10645 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9611 |
| API Well Number: 177004085800 | Drilling Operator: SENECA RESOURCES CORPORATION | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 5600 - 10645 | Water Depth: 63 |
| Public Info Code: Y 19-JAN-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5600 / 5073 | DEF AT first sample examined | DEF AT 3 |
| 5870 / 5300 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 6230 / 5601 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 7820 / 6949 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 3 |
| 9320 / 8308 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 9740 / 8712 | DEF AT - - - - - | DEF AT 4 |
| 10520 / 9486 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 10645 / 9611 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 239 | Date of Summary: 11-AUG-1993 | First Sample Examined: 0 |
| Lease Number: G11776 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6600 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 6600 |
| API Well Number: 177004087500 | Drilling Operator: COCKRELL OIL CORPORATION | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 74 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5324 / | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 240 | Date of Summary: 23-OCT-1990 | First Sample Examined: 0 |
| Lease Number: G08626 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11350 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9885 |
| API Well Number: 177004074301 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 62 |
| Public Info Code: Y 02-APR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8220 / 6995 | DEF AT Cyclamina sp. (local marker) | DEF AT |
| 9300 / 7973 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 11010 / 9572 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 241 | Date of Summary: 08-MAR-1990 | First Sample Examined: 7700 |
| Lease Number: G10561 | Source of Paleo: OPERATOR | Borehole MD: 10141 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9897 |
| API Well Number: 177004080801 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 7700 - 10110 | Water Depth: 65 |
| Public Info Code: Y 12-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 7770 / 7620 | DEF AT first sample examined | DEF AT |
| 7800 / 7649 | POS AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 8370 / 8196 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 8910 / 8716 | POS AT Upper Miocene (Tortonian) Uvigerina carapitana | DEF AT |
| 9060 / 8858 | DEF AT Upper Miocene (Tortonian) Cyclamina 3 | DEF AT |
| 9510 / 9286 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT |
| 9810 / 9575 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 10080 / 9841 | DEF AT Upper Miocene (Tortonian) Cibicides inflata | DEF AT |
| 10110 / 9870 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 277 | Date of Summary: 29-AUG-1986 | First Sample Examined: 6000 |
| Lease Number: G04761 | Source of Paleo: OPERATOR | Borehole MD: 12942 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 12500 |
| API Well Number: 177004071300 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 6000 - 10110 | Water Depth: 85 |
| Public Info Code: Y 13-SEP-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6000 / 5998 | DEF AT first sample examined | DEF IN 2 |
| 6240 / 6238 | POS AT - - - - - | POS AT 3 |
| 6420 / 6418 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 6990 / 6987 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 9840 / 9675 | DEF AT - - - - - | DEF AT 4 |
| 10110 / 9908 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 277 | Date of Summary: 29-AUG-1986 | First Sample Examined: 6800 |
| Lease Number: G04761 | Source of Paleo: OPERATOR | Borehole MD: 9980 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9700 |
| API Well Number: 177004071301 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 6800 - 9980 | Water Depth: 85 |
| Public Info Code: Y 23-SEP-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6800 / 6800 | DEF AT first sample examined | DEF AT 4 |
| 6801 / 6801 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 6980 / 6979 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 8660 / 8523 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 9530 / 9300 | DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 4 |
| 9980 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 286 | Date of Summary: 28-JUL-1994 | First Sample Examined: 0 |
| Lease Number: G10567 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12509 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12509 |
| API Well Number: 177004089500 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 115 |
| Public Info Code: Y 27-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5580 / 5580 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6540 / 6540 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 8730 / 8730 | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT |
| 10140 / 10140 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 290 | Date of Summary: 15-SEP-1986 | First Sample Examined: 0 |
| Lease Number: G04818 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9623 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9600 |
| API Well Number: 177014017800 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 40 |
| Public Info Code: Y 16-SEP-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 4880 / 4850 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 5720 / 5686 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 6590 / 6555 | DEF AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |
| 7340 / 7305 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 8090 / 8054 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 8630 / 8593 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: WC 291 | Date of Summary: 25-JAN-1984 | First Sample Examined: 10730 |
| Lease Number: G04397 | Source of Paleo: OPERATOR | Borehole MD: 15020 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 15020 |
| API Well Number: 177014012900 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 10730 - 15020 | Water Depth: 52 |
| Public Info Code: Y 11-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10730 / | DEF AT first sample examined | DEF AT |
| 11150 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 11600 / | DEF IN Middle Miocene (Langhian) Robulus "L" / 43 | DEF AT |
| 12050 / | DEF AT Lower Miocene (Burdigalian) Robulus 54B | DEF AT |
| 15020 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|--------------------------|
| Area Block: WC 291 | Date of Summary: 10-MAR-1986 | First Sample Examined: 0 |
| Lease Number: G04397 | Source of Paleo: OPERATOR | Borehole MD: 14000 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 14000 |
| API Well Number: 177014017100 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 50 |
| Public Info Code: Y 04-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10590 / | DEF AT Middle Miocene (Langhian) Amphistegina "B" | DEF AT |
| 11490 / | DEF AT local marker benthic foram increase | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|------------------------------|
| Area Block: WC 292 | Date of Summary: 14-FEB-1990 | First Sample Examined: 10010 |
| Lease Number: G04397 | Source of Paleo: OPERATOR | Borehole MD: 11672 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 11424 |
| API Well Number: 177014021800 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 8000 - 11672 | Water Depth: 53 |
| Public Info Code: Y 02-JUL-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10010 / 9825 | DEF AT first sample examined | POS AT 2 |
| 10100 / 9914 | DEF AT - - - - - | DEF AT 2 |
| 10250 / 10061 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 2 |
| 10670 / 10476 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 2 |
| 11630 / | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 2 |
| 11672 / | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: WC 292 | Date of Summary: 14-FEB-1990 | First Sample Examined: 9900 |
| Lease Number: G04397 | Source of Paleo: OPERATOR | Borehole MD: 11650 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 11446 |
| API Well Number: 177014021801 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 9240 - 11650 | Water Depth: 53 |
| Public Info Code: Y 01-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 9900 / 9712 | DEF AT first sample examined | DEF AT 2 |
| 10310 / 10116 | DEF AT ----- | DEF AT 3 |
| 10320 / 10126 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT 3 |
| 10350 / 10155 | DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa | DEF AT 3 |
| 10460 / 10264 | DEF AT ----- | DEF AT 2 |
| 10620 / 10422 | DEF AT ----- | DEF AT 3 |
| 10710 / 10511 | DEF AT ----- | DEF AT 2 |
| 10860 / 10660 | DEF AT ----- | DEF AT 1 |
| 11220 / 11018 | DEF AT ----- | DEF AT 2 |
| 11650 / 11447 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 292 | Date of Summary: 15-FEB-1989 | First Sample Examined: 0 |
| Lease Number: G06581 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11500 |
| API Well Number: 177014021500 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 53 |
| Public Info Code: Y 15-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8449 / 8448 | POS AT Upper Miocene (Tortonian) Cibicides carstensi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: WC 293 | Date of Summary: 15-MAR-1985 | First Sample Examined: 0 |
| Lease Number: G04398 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14529 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12298 |
| API Well Number: 177014016100 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 45 |
| Public Info Code: Y 28-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8433 / 8432 | DEF AT Middle Miocene (Serravallian) Textularia "W" | DEF AT |
| 8983 / 8982 | DEF AT Middle Miocene (Serravallian) Bigenerina humblei | DEF AT |
| 9433 / 9432 | DEF AT Middle Miocene (Serravallian) Cristellaria "I" | DEF AT |
| 10833 / 10832 | DEF AT Middle Miocene (Serravallian) Cibicides opima | DEF AT |
| 14383 / 14382 | DEF IN Lower Miocene (Burdigalian) Robulus 54B | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 333 | Date of Summary: 01-SEP-1977 | First Sample Examined: 4100 |
| Lease Number: G03277 | Source of Paleo: OPERATOR | Borehole MD: 9332 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9332 |
| API Well Number: 177014001300 | Drilling Operator: GULF OIL CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 4100 - 9320 | Water Depth: 70 |
| Public Info Code: Y 31-MAR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 4100 / | DEF AT first sample examined | DEF AT 3 |
| 4550 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 4670 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 5900 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 7190 / | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 7970 / | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 9130 / | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 9320 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 343 | Date of Summary: 16-NOV-1994 | First Sample Examined: 0 |
| Lease Number: G02838 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8813 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7676 |
| API Well Number: 177014013300 | Drilling Operator: EL PASO PRODUCTION COMPANY | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 81 |
| Public Info Code: Y 02-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7880 / 7048 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 368 | Date of Summary: 18-JUL-1989 | First Sample Examined: 9300 |
| Lease Number: G05315 | Source of Paleo: OPERATOR | Borehole MD: 12035 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10173 |
| API Well Number: 177014022000 | Drilling Operator: CENTURY OFFSHORE MANAGEMENT | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 9300 - 11970 | Water Depth: 74 |
| Public Info Code: Y 02-AUG-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9300 / 8244 | DEF AT first sample examined | DEF IN 4 |
| 9600 / 8467 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF IN 4 |
| 11100 / 9584 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF IN 4 |
| 11970 / 10133 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 368 | Date of Summary: 24-OCT-1996 | First Sample Examined: 0 |
| Lease Number: G05315 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11300 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9484 |
| API Well Number: 177014019000 | Drilling Operator: CENTURY OFFSHORE MANAGEMENT | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 07-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9110 / 8170 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 10400 / 8996 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 379 | Date of Summary: 29-AUG-1983 | First Sample Examined: 0 |
| Lease Number: G05016 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10840 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7800 |
| API Well Number: 177014012700 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 75 |
| Public Info Code: Y 30-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4970 / 4763 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 379 | Date of Summary: 22-FEB-1988 | First Sample Examined: 0 |
| Lease Number: G05016 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7700 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 7700 |
| API Well Number: 177014019800 | Drilling Operator: HALL-HOUSTON OIL COMPANY | Rkb Elevation: 75 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 30-MAR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7432 / 7432 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 392 | Date of Summary: 08-OCT-1984 | First Sample Examined: 0 |
| Lease Number: G05316 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9923 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8927 |
| API Well Number: 177014015400 | Drilling Operator: DELMAR OPERATING INC PM | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 84 |
| Public Info Code: Y 28-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5300 / 4868 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 5480 / 5022 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7010 / 6340 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 405 | Date of Summary: 06-MAY-1993 | First Sample Examined: 0 |
| Lease Number: G03280 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8857 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 8857 |
| API Well Number: 177014026100 | Drilling Operator: ENRON CORP | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 93 |
| Public Info Code: Y 01-AUG-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5990 / 5937 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7760 / 7649 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: WC 406 | Date of Summary: 30-AUG-1999 | First Sample Examined: 0 |
| Lease Number: G11789 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11360 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8664 |
| API Well Number: 177014023800 | Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 89 |
| Public Info Code: Y 11-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6800 / 5376 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7500 / 5856 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9900 / 7594 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: WC 406 | Date of Summary: 19-JUL-1999 | First Sample Examined: 0 |
| Lease Number: G11789 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11512 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 8703 |
| API Well Number: 177014025600 | Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 90 |
| Public Info Code: Y 11-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11264 / 8557 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 409 | Date of Summary: 02-MAR-1989 | First Sample Examined: 0 |
| Lease Number: G03282 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8243 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 7250 |
| API Well Number: 177014021400 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 92 |
| Public Info Code: Y 31-JAN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6050 / 5472 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 418 | Date of Summary: 16-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G14332 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7671 |
| API Well Number: 177014028300 | Drilling Operator: EP OPERATING LIMITED PARTNER | Rkb Elevation: 76 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 85 |
| Public Info Code: Y 30-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5757 / 5636 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 421 | Date of Summary: 04-DEC-1985 | First Sample Examined: 0 |
| Lease Number: G05322 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9935 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 9935 |
| API Well Number: 177014017200 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 100 |
| Public Info Code: Y 01-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6970 / | POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT |
| 7330 / | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 8530 / | POS IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 8740 / | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 9370 / | POS AT Middle Miocene | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 425 | Date of Summary: 04-OCT-1983 | First Sample Examined: 4360 |
| Lease Number: G11796 | Source of Paleo: OPERATOR | Borehole MD: 7360 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6447 |
| API Well Number: 177014013101 | Drilling Operator: PLACID OIL COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 4360 - 8910 | Water Depth: 102 |
| Public Info Code: Y 27-DEC-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 4360 / 3619 | DEF AT first sample examined | DEF IN 2 |
| 6670 / 5757 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 7720 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 2 |
| 7810 / | DEF AT - - - - - | DEF AT 3 |
| 8440 / | DEF AT - - - - - | DEF AT 4 |
| 8910 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 426 | Date of Summary: 17-NOV-1986 | First Sample Examined: 0 |
| Lease Number: G02845 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10300 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10300 |
| API Well Number: 177014017900 | Drilling Operator: SOCO OFFSHORE INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 100 |
| Public Info Code: Y 18-NOV-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2140 / 2140 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4855 / 4855 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8420 / 8418 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 433 | Date of Summary: 03-FEB-1992 | First Sample Examined: 0 |
| Lease Number: G05324 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7670 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7670 |
| API Well Number: 177014020500 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 106 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 113 |
| Public Info Code: Y 17-DEC-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6708 / | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7599 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 435 | Date of Summary: 02-OCT-1990 | First Sample Examined: 3000 |
| Lease Number: G11798 | Source of Paleo: OPERATOR | Borehole MD: 7000 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7000 |
| API Well Number: 177014024000 | Drilling Operator: FIRST ENERGY CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 7000 | Water Depth: 103 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 3000 / | DEF AT first sample examined | DEF IN 1 |
| 3810 / | DEF AT Turtle Grass fauna = Amphistegina Mound | POS AT 2 |
| 4410 / | DEF AT Turtle Grass fauna = Amphistegina Mound | POS AT 2 |
| 4560 / | DEF AT Turtle Grass fauna = Amphistegina Mound | POS AT 2 |
| 6360 / | DEF AT pyrite | POS AT 2 |
| 6420 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | POS AT 2 |
| 6540 / | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 6570 / | DEF AT local marker foram decrease | DEF AT 3 |
| 7000 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 435 | Date of Summary: 06-NOV-1998 | First Sample Examined: 0 |
| Lease Number: G17797 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12600 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 12596 |
| API Well Number: 177014030500 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 117 |
| Public Info Code: Y 21-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12000 / 11995 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 436 | Date of Summary: 05-JUL-1977 | First Sample Examined: 4944 |
| Lease Number: G02540 | Source of Paleo: OPERATOR | Borehole MD: 10641 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9525 |
| API Well Number: 177014002500 | Drilling Operator: FOUR STAR OIL & GAS COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 2 | Sample Range: 4944 - 10641 | Water Depth: 116 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4944 / 4492 | DEF AT first sample examined | DEF IN 2 |
| 6440 / 5734 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 7940 / 7056 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10520 / 9402 | DEF AT - - - - - | DEF AT 5 |
| 10597 / 9472 | DEF AT pyrite | DEF AT 4 |
| 10641 / 9511 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 436 | Date of Summary: 03-NOV-1977 | First Sample Examined: 4944 |
| Lease Number: G02540 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 10641 |
| Well Name: A001 | Paleo Done By: JOHN CARSTENS | Borehole TVD: 9525 |
| API Well Number: 177014002500 | Drilling Operator: FOUR STAR OIL & GAS COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 2 of 2 | Sample Range: 4944 - 10610 | Water Depth: 116 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4944 / 4492 | DEF AT first sample examined | DEF AT 2 |
| 4945 / 4493 | DEF IN local marker foram decrease | DEF AT 2 |
| 6440 / 5734 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 6710 / 5970 | DEF AT shell fragments | DEF AT 3 |
| 6980 / 6207 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 2 |
| 7970 / 7083 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 9140 / 8140 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 9320 / 8306 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 9410 / 8389 | POS AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 4 |
| 9440 / 8417 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 10010 / 8938 | POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme) | DEF AT 4 |
| 10100 / 9020 | POS AT Upper Miocene (Tortonian) Textularia 6 | DEF AT 4 |
| 10610 / 9483 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 436 | Date of Summary: 01-JUN-1990 | First Sample Examined: 0 |
| Lease Number: G02540 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9862 |
| Well Name: A014 | Paleo Done By: OPERATOR | Borehole TVD: 6950 |
| API Well Number: 177014023100 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 116 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7690 / 5630 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 437 | Date of Summary: 02-NOV-1974 | First Sample Examined: 5390 |
| Lease Number: G02540 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 9655 |
| Well Name: 001 | Paleo Done By: LEE LATTA | Borehole TVD: 9655 |
| API Well Number: 177014000200 | Drilling Operator: TEXACO INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 5390 - 9655 | Water Depth: 105 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: N | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|---------|
| 5390 / | DEF AT first sample examined | DEF AT |
| 5810 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6620 / | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 7040 / | POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT |
| 7190 / | POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 7220 / | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |
| 7400 / | POS AT Upper Pliocene (Piacenzian) Textularia 1 | DEF AT |
| 8130 / | DEF AT Cyclammia cancellata (local marker) | DEF AT |
| 8190 / | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 8340 / | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT |
| 8870 / | DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba | DEF AT |
| 8900 / | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 9440 / | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 9650 / | DEF AT Arenaceous fauna (local marker) | DEF AT |
| 9655 / | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 442 | Date of Summary: 03-FEB-1992 | First Sample Examined: 0 |
| Lease Number: G12792 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5898 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4883 |
| API Well Number: 177014025400 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 31-JUL-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5550 / 4610 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 457 | Date of Summary: 02-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G05331 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7800 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 7800 |
| API Well Number: 177024094300 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 84 |
| Public Info Code: Y 28-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6694 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 457 | Date of Summary: 15-DEC-1988 | First Sample Examined: 0 |
| Lease Number: G05331 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8752 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 7995 |
| API Well Number: 177024094801 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 110 |
| Public Info Code: Y 28-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6954 / 6894 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 7825 / 7494 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 458 | Date of Summary: 24-MAY-1984 | First Sample Examined: 0 |
| Lease Number: G05332 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9905 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8865 |
| API Well Number: 177024079900 | Drilling Operator: TEXACO INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 131 |
| Public Info Code: Y 28-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6340 / 5911 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7210 / 6570 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 9370 / 8222 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 458 | Date of Summary: 29-AUG-1984 | First Sample Examined: 0 |
| Lease Number: G05332 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11910 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 9389 |
| API Well Number: 177024080100 | Drilling Operator: TEXACO INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 134 |
| Public Info Code: Y 28-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7200 / 6697 | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H" | DEF AT |
| 9780 / 8420 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT |
| 10890 / 9165 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 458 | Date of Summary: 14-OCT-1987 | First Sample Examined: 0 |
| Lease Number: G05332 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10323 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 9236 |
| API Well Number: 177024091400 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 130 |
| Public Info Code: Y 28-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6340 / 6301 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9370 / 8559 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 458 | Date of Summary: 24-JAN-1989 | First Sample Examined: 0 |
| Lease Number: G05332 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7475 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7475 |
| API Well Number: 177024092000 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 79 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 121 |
| Public Info Code: Y 28-JUN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6260 / | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7000 / | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 459 | Date of Summary: 31-MAY-1989 | First Sample Examined: 2700 |
| Lease Number: G03383 | Source of Paleo: OPERATOR | Borehole MD: 9075 |
| Well Name: C001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9075 |
| API Well Number: 177024096400 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 2700 - 9040 | Water Depth: 125 |
| Public Info Code: Y 25-SEP-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 2700 / | DEF AT first sample examined | DEF AT 1 |
| 6710 / | POS IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 1 |
| 7010 / | POS AT local marker foram increase | DEF AT 1 |
| 7850 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 1 |
| 8630 / | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 2 |
| 8720 / | DEF AT faunal change (no faunal increase) | DEF AT 1 |
| 9040 / | DEF AT last sample examined | DEF AT 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 470 | Date of Summary: 18-AUG-1993 | First Sample Examined: 4000 |
| Lease Number: G12794 | Source of Paleo: OPERATOR | Borehole MD: 10790 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 10790 |
| API Well Number: 177024105300 | Drilling Operator: ENI PETROLEUM CO INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 4000 - 10780 | Water Depth: 123 |
| Public Info Code: Y 30-APR-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4000 / 4000 | DEF AT first sample examined | DEF AT 1 |
| 4360 / 4360 | DEF AT - - - - - | DEF AT 2 |
| 5260 / 5260 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 7690 / 7690 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 8710 / 8710 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 8890 / 8890 | DEF AT - - - - - | DEF AT 5 |
| 9010 / 9010 | POS AT Lower Pliocene (Zanclian) Globorotalia margaritae | DEF AT 5 |
| 10330 / 10330 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 10750 / 10750 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 10780 / 10780 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 477 | Date of Summary: 12-APR-1993 | First Sample Examined: 0 |
| Lease Number: G12798 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10820 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9478 |
| API Well Number: 177024104100 | Drilling Operator: CENTURY OFFSHORE MANAGEMENT | Rkb Elevation: 77 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 132 |
| Public Info Code: Y 26-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5314 / 4805 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7110 / 6319 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 478 | Date of Summary: 27-OCT-1982 | First Sample Examined: 1000 |
| Lease Number: G03969 | Source of Paleo: OPERATOR | Borehole MD: 8731 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8731 |
| API Well Number: 177024073100 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 8710 | Water Depth: 120 |
| Public Info Code: Y 29-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 1000 / | DEF AT first sample examined | DEF AT 2 |
| 1510 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 3820 / | DEF AT - - - - - | DEF AT 3 |
| 3850 / | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 4540 / | DEF AT local marker benthic foram increase | DEF AT 3 |
| 4630 / | DEF AT - - - - - | DEF AT 2 |
| 5769 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 5770 / | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8530 / | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 4 |
| 8710 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 478 | Date of Summary: 31-MAR-1992 | First Sample Examined: 1000 |
| Lease Number: G03969 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 9282 |
| Well Name: A001 | Paleo Done By: ANTON FRIEDMANN | Borehole TVD: 9282 |
| API Well Number: 177024071800 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 8680 | Water Depth: 120 |
| Public Info Code: Y 29-FEB-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 1000 / | DEF AT first sample examined | POS AT 1 |
| 1030 / | DEF AT local marker benthic foram increase | DEF IN 1 |
| 1300 / | DEF AT local marker foram decrease | DEF AT 1 |
| 1510 / | DEF AT local marker benthic foram increase | DEF IN 1 |
| 1570 / | DEF AT local marker foram decrease | DEF AT 1 |
| 3850 / | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 3940 / | DEF AT local marker foram decrease | DEF IN 1 |
| 5170 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 5830 / | DEF AT local marker benthic foram increase | DEF AT 2 |
| 5980 / | DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT 2 |
| 6340 / | DEF AT local marker foram increase | DEF AT 3 |
| 6790 / | DEF AT local marker foram decrease | DEF AT 3 |
| 8530 / | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 4 |
| 8560 / | DEF AT local marker foram decrease | DEF IN 3 |
| 8590 / | POS AT local marker benthic foram increase | DEF IN 3 |
| 8680 / | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: WC 478 | Date of Summary: 11-SEP-1995 | First Sample Examined: 0 |
| Lease Number: G03969 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6264 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 5529 |
| API Well Number: 177024077700 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 123 |
| Public Info Code: Y 29-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1450 / 1450 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: WC 478 | Date of Summary: 11-SEP-1995 | First Sample Examined: 0 |
| Lease Number: G03969 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5000 |
| Well Name: A005 | Paleo Done By: OPERATOR | Borehole TVD: 4309 |
| API Well Number: 177024079700 | Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 125 |
| Public Info Code: Y 29-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1450 / 1447 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 480 | Date of Summary: 13-MAR-1998 | First Sample Examined: 0 |
| Lease Number: G13845 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12118 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8160 |
| API Well Number: 177024118900 | Drilling Operator: PETSEC ENERGY INC | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 140 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6355 / 4723 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7398 / 5338 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 482 | Date of Summary: 01-JUN-1993 | First Sample Examined: 0 |
| Lease Number: G13569 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10290 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10290 |
| API Well Number: 177024104400 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 144 |
| Public Info Code: Y 30-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4520 / 4520 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5840 / 5840 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 8360 / 8360 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 488 | Date of Summary: 08-AUG-1994 | First Sample Examined: 0 |
| Lease Number: G13847 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10140 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6790 |
| API Well Number: 177024106700 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 138 |
| Public Info Code: Y 30-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|---------|
| 5990 / 4224 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7860 / 5379 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9380 / 6317 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 9410 / 6336 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 489 | Date of Summary: 04-SEP-1990 | First Sample Examined: 0 |
| Lease Number: G10591 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7500 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7500 |
| API Well Number: 177024099100 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 130 |
| Public Info Code: Y 30-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7240 / | POS AT unconformity | DEF AT |
| 7440 / | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 493 | Date of Summary: 27-APR-1982 | First Sample Examined: 0 |
| Lease Number: G03518 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7388 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 6904 |
| API Well Number: 177024046701 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 138 |
| Public Info Code: Y 21-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 1573 / 1573 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 2935 / 2935 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |
| 4107 / 4102 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 6282 / 5982 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 493 | Date of Summary: 14-JAN-1983 | First Sample Examined: 0 |
| Lease Number: G03518 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7378 |
| Well Name: B003 | Paleo Done By: OPERATOR | Borehole TVD: 6270 |
| API Well Number: 177024070600 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 138 |
| Public Info Code: Y 21-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5085 / 4398 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 493 | Date of Summary: 12-JUL-1984 | First Sample Examined: 0 |
| Lease Number: G03518 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 6449 |
| Well Name: B004 | Paleo Done By: OPERATOR | Borehole TVD: 6183 |
| API Well Number: 177024081200 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 125 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 138 |
| Public Info Code: Y 21-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4587 / 4479 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 495 | Date of Summary: 19-JUL-1995 | First Sample Examined: 3000 |
| Lease Number: G11804 | Source of Paleo: OPERATOR | Borehole MD: 8300 |
| Well Name: 001 | Paleo Done By: THOMAS REILLY | Borehole TVD: 8300 |
| API Well Number: 177024108900 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 8300 | Water Depth: 142 |
| Public Info Code: Y 10-OCT-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3000 / 3000 | DEF AT first sample examined | DEF IN 2 |
| 4260 / 4260 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5160 / 5160 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 6060 / 6060 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF IN 3 |
| 8100 / 8099 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF IN 4 |
| 8250 / 8249 | DEF AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 5 |
| 8300 / 8299 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 497 | Date of Summary: 21-MAY-1997 | First Sample Examined: 4770 |
| Lease Number: G16198 | Source of Paleo: OPERATOR | Borehole MD: 10420 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7562 |
| API Well Number: 177024115300 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 1 of 2 | Sample Range: 4770 - 8010 | Water Depth: 162 |
| Public Info Code: Y 01-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4770 / 4754 | DEF AT first sample examined | DEF AT 2 |
| 5190 / 5124 | DEF AT - - - - - | POS AT 3 |
| 5250 / 5173 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | POS AT 3 |
| 7230 / 6169 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | POS AT 3 |
| 8010 / 6476 | DEF AT last sample examined | POS AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 497 | Date of Summary: 21-MAY-1997 | First Sample Examined: 5010 |
| Lease Number: G16198 | Source of Paleo: OPERATOR | Borehole MD: 10420 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7562 |
| API Well Number: 177024115300 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 84 |
| Paleo Report Num: 2 of 2 | Sample Range: 5010 - 10420 | Water Depth: 162 |
| Public Info Code: Y 01-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5010 / 4969 | DEF AT first sample examined | DEF AT 2 |
| 5160 / 5099 | DEF AT - - - - - | POS AT 3 |
| 5340 / 5246 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | POS AT 3 |
| 6300 / 5828 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | POS AT 3 |
| 10420 / | DEF AT last sample examined | POS AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: WC 498 | Date of Summary: 11-APR-1980 | First Sample Examined: 950 |
| Lease Number: G03521 | Source of Paleo: OPERATOR | Borehole MD: 5990 |
| Well Name: A010 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 4419 |
| API Well Number: 177024058700 | Drilling Operator: TRANSCO EXPLORATION COMPANY | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 950 - 5960 | Water Depth: 155 |
| Public Info Code: Y 21-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 950 / 950 | DEF AT first sample examined | DEF AT 2 |
| 1550 / 1522 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 1850 / 1751 | DEF AT - - - - - | DEF AT 2 |
| 4980 / 3773 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5130 / 3873 | DEF AT - - - - - | DEF AT 2 |
| 5960 / 4400 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|----------------------------|
| Area Block: WC 499 | Date of Summary: 01-MAR-1978 | First Sample Examined: 400 |
| Lease Number: G03519 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 8301 |
| Well Name: 001 | Paleo Done By: LEE LATTA | Borehole TVD: 7167 |
| API Well Number: 177024044600 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 400 - 8290 | Water Depth: 155 |
| Public Info Code: Y 21-DEC-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 400 / 400 | DEF AT first sample examined | POS AT 2 |
| 790 / 790 | DEF AT local marker benthic foram increase | DEF AT 2 |
| 1000 / 1000 | POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme) | DEF IN 2 |
| 1090 / 1090 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 1360 / 1359 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 3970 / 3579 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 4060 / 3654 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 3 |
| 4990 / 4416 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 2 |
| 5290 / 4662 | DEF AT pyrite | DEF AT 2 |
| 5830 / 5105 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 4 |
| 6130 / 5352 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 7360 / 6380 | DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus | DEF AT 4 |
| 7420 / 6430 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 8290 / 7158 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 503 | Date of Summary: 08-JUL-1996 | First Sample Examined: 0 |
| Lease Number: G14339 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7745 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7608 |
| API Well Number: 177024112000 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 149 |
| Public Info Code: Y 22-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4410 / 4405 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5490 / 5450 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 6750 / 6660 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 504 | Date of Summary: 06-NOV-1998 | First Sample Examined: 0 |
| Lease Number: G13848 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17941 |
| Well Name: B005 | Paleo Done By: OPERATOR | Borehole TVD: 13479 |
| API Well Number: 177024120601 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 129 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 153 |
| Public Info Code: Y 19-APR-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 4410 / 4388 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9490 / 7875 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 12700 / 10044 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 13300 / 10438 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |
| 14900 / 11489 | DEF AT Upper (Late) Miocene | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|---------------------------------|
| Area Block: WC 504 | Date of Summary: 08-JUN-1998 | First Sample Examined: 0 |
| Lease Number: G14339 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10361 |
| Well Name: B004 | Paleo Done By: OPERATOR | Borehole TVD: 7236 |
| API Well Number: 177024119800 | Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN | Rkb Elevation: 127 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 153 |
| Public Info Code: Y 22-SEP-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5385 / 4446 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9380 / 6792 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 505 | Date of Summary: 29-NOV-1990 | First Sample Examined: 0 |
| Lease Number: G11805 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12748 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10333 |
| API Well Number: 177024100100 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 132 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|---------|
| 3660 / 3660 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 3661 / 3661 | POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 4140 / 4140 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 5970 / 5892 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 11580 / 9584 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 508 | Date of Summary: 16-SEP-1998 | First Sample Examined: 0 |
| Lease Number: G17806 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13143 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 13106 |
| API Well Number: 177024120801 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 158 |
| Public Info Code: Y 28-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5250 / 5250 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7200 / 7200 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 509 | Date of Summary: 07-NOV-1977 | First Sample Examined: 0 |
| Lease Number: G03523 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9540 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 5884 |
| API Well Number: 177024044800 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 153 |
| Public Info Code: Y 07-FEB-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1800 / 1726 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 5479 / 3721 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 510 | Date of Summary: 03-NOV-1982 | First Sample Examined: 4720 |
| Lease Number: G03766 | Source of Paleo: OPERATOR | Borehole MD: 8700 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 4078 |
| API Well Number: 177024073500 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 1 | Sample Range: 4720 - 5935 | Water Depth: 163 |
| Public Info Code: Y 24-FEB-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: No diagnostic foram markers noted, samples lost below 5935

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 4720 / 2604 | DEF AT first sample examined | DEF AT 2 |
| 5900 / 2991 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 517 | Date of Summary: 29-NOV-1990 | First Sample Examined: 0 |
| Lease Number: G11809 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12538 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10555 |
| API Well Number: 177024100500 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 168 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1560 / 1560 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4200 / 4200 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 8580 / 7697 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 518 | Date of Summary: 21-MAY-1985 | First Sample Examined: 0 |
| Lease Number: G04405 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8915 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 7617 |
| API Well Number: 177024069400 | Drilling Operator: ELF AQUITAINE INC | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 176 |
| Public Info Code: Y 28-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5770 / 5052 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 7420 / 6399 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 518 | Date of Summary: 28-JAN-1989 | First Sample Examined: 0 |
| Lease Number: G04407 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10408 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 6978 |
| API Well Number: 177024088901 | Drilling Operator: ELF AQUITAINE INC | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 176 |
| Public Info Code: Y 28-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6180 / 4542 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 9526 / 6521 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 535 | Date of Summary: 30-JAN-1990 | First Sample Examined: 3090 |
| Lease Number: G10595 | Source of Paleo: OPERATOR | Borehole MD: 8208 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 6488 |
| API Well Number: 177024098100 | Drilling Operator: COHO RESOURCES INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 3090 - 8220 | Water Depth: 180 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3090 / 2769 | DEF AT first sample examined | DEF AT 2 |
| 4500 / 3669 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 4650 / 3763 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 6150 / 4815 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7260 / 5708 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8220 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 536 | Date of Summary: 01-AUG-1990 | First Sample Examined: 6000 |
| Lease Number: G04773 | Source of Paleo: OPERATOR | Borehole MD: 9382 |
| Well Name: A008 | Paleo Done By: OPERATOR | Borehole TVD: 8330 |
| API Well Number: 177024097300 | Drilling Operator: UNION EXPLORATION PARTNERS LTD | Rkb Elevation: 113 |
| Paleo Report Num: 1 of 1 | Sample Range: 3000 - 9383 | Water Depth: 185 |
| Public Info Code: Y 10-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3000 / 3000 | DEF AT first sample examined | DEF AT |
| 6330 / 6286 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 7680 / 7250 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 9383 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: WC 538 | Date of Summary: 29-OCT-1984 | First Sample Examined: 468 |
| Lease Number: G02552 | Source of Paleo: OPERATOR | Borehole MD: 10665 |
| Well Name: B001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10665 |
| API Well Number: 177024076300 | Drilling Operator: ZAPATA EXPLORATION COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 468 - 10620 | Water Depth: 177 |
| Public Info Code: Y 12-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 468 / | DEF AT first sample examined | DEF AT 1 |
| 840 / | DEF AT - - - - - | DEF AT 2 |
| 1920 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 3690 / | DEF AT cement | DEF AT |
| 3780 / | DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 3930 / | DEF AT - - - - - | DEF AT 2 |
| 7020 / | DEF AT - - - - - | DEF AT 3 |
| 8010 / | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8190 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8290 / | DEF AT poor sample interval top | DEF AT |
| 10079 / | DEF AT poor sample interval bottom | DEF AT |
| 10080 / | DEF AT - - - - - | DEF AT 4 |
| 10590 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10620 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 540 | Date of Summary: 22-JUN-1978 | First Sample Examined: 1060 |
| Lease Number: G02553 | Source of Paleo: OPERATOR | Borehole MD: 8240 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8240 |
| API Well Number: 177024025800 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 1060 - 9890 | Water Depth: 184 |
| Public Info Code: Y 22-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1060 / | DEF AT first sample examined | DEF IN 2 |
| 1750 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 3920 / | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7640 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8240 / | DEF AT - - - - - | DEF AT 4 |
| 8480 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 9890 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 540 | Date of Summary: 22-JUN-1978 | First Sample Examined: 1000 |
| Lease Number: G02553 | Source of Paleo: OPERATOR | Borehole MD: 9077 |
| Well Name: 002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9077 |
| API Well Number: 177024026400 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 9057 | Water Depth: 183 |
| Public Info Code: Y 22-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1000 / | DEF AT first sample examined | DEF IN 2 |
| 1840 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 2 |
| 4030 / | DEF AT - - - - - | DEF AT 3 |
| 5740 / | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7270 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 7510 / | POS AT - - - - - | POS AT 4 |
| 7570 / | DEF AT - - - - - | DEF AT 3 |
| 9010 / | DEF AT - - - - - | DEF AT 4 |
| 9056 / | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 9057 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 540 | Date of Summary: 09-MAR-1978 | First Sample Examined: 3200 |
| Lease Number: G02553 | Source of Paleo: OPERATOR | Borehole MD: 10160 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8663 |
| API Well Number: 177024045000 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 2 | Sample Range: 3200 - 9560 | Water Depth: 184 |
| Public Info Code: Y 22-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3200 / 2974 | DEF AT first sample examined | DEF IN 3 |
| 4160 / 3713 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 7040 / 6017 | POS AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 3 |
| 7670 / 6542 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF IN 3 |
| 9560 / 8156 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 540 | Date of Summary: 09-MAR-1978 | First Sample Examined: 9560 |
| Lease Number: G02553 | Source of Paleo: OPERATOR | Borehole MD: 10160 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8663 |
| API Well Number: 177024045000 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 2 of 2 | Sample Range: 9560 - 10550 | Water Depth: 184 |
| Public Info Code: Y 22-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 9560 / 8156 | DEF AT first sample examined | DEF IN 3 |
| 10340 / | DEF AT - - - - - | DEF AT 4 |
| 10550 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 540 | Date of Summary: 08-MAY-1978 | First Sample Examined: 3680 |
| Lease Number: G02553 | Source of Paleo: OPERATOR | Borehole MD: 11217 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8093 |
| API Well Number: 177024046200 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 3680 - 11210 | Water Depth: 184 |
| Public Info Code: Y 22-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3680 / 3058 | DEF AT first sample examined | DEF IN 2 |
| 4040 / 3314 | DEF AT - - - - - | DEF AT 3 |
| 4880 / 3860 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 10220 / 7303 | DEF AT poor sample interval top | POS AT 3 |
| 10579 / 7587 | DEF AT poor sample interval bottom | DEF AT 3 |
| 10580 / 7588 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 11210 / 8097 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 540 | Date of Summary: 15-JUN-1978 | First Sample Examined: 3200 |
| Lease Number: G02553 | Source of Paleo: OPERATOR | Borehole MD: 11273 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9301 |
| API Well Number: 177024048800 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 3200 - 11270 | Water Depth: 184 |
| Public Info Code: Y 22-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3200 / 3039 | DEF AT first sample examined | DEF IN 3 |
| 4130 / 3801 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF IN 3 |
| 11270 / 9326 | DEF AT last sample examined | DEF IN 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 540 | Date of Summary: 13-JUL-1978 | First Sample Examined: 3910 |
| Lease Number: G02553 | Source of Paleo: OPERATOR | Borehole MD: 9070 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7182 |
| API Well Number: 177024049000 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 3910 - 9070 | Water Depth: 184 |
| Public Info Code: Y 22-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3910 / 3350 | DEF AT first sample examined | DEF AT 3 |
| 3911 / 3350 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4420 / 3714 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7360 / 5874 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 8650 / 6876 | DEF AT - - - - - | DEF AT 4 |
| 9070 / 7183 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 540 | Date of Summary: 16-AUG-1978 | First Sample Examined: 3970 |
| Lease Number: G02553 | Source of Paleo: OPERATOR | Borehole MD: 9802 |
| Well Name: A005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7500 |
| API Well Number: 177024049900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 3970 - 9802 | Water Depth: 184 |
| Public Info Code: Y 22-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3970 / 3025 | DEF AT first sample examined | POS AT 3 |
| 4660 / 3427 | DEF AT - - - - - | DEF AT 3 |
| 4930 / 3589 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 9802 / 7473 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 540 | Date of Summary: 08-NOV-1978 | First Sample Examined: 3280 |
| Lease Number: G02553 | Source of Paleo: OPERATOR | Borehole MD: 11217 |
| Well Name: A006 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9875 |
| API Well Number: 177024050600 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 3280 - 11210 | Water Depth: 184 |
| Public Info Code: Y 22-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3280 / 3054 | DEF AT first sample examined | DEF AT 3 |
| 3281 / 3055 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4250 / 3872 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8450 / 7514 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 9170 / 8151 | DEF AT - - - - - | DEF AT 4 |
| 11210 / 9871 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 540 | Date of Summary: 21-NOV-1978 | First Sample Examined: 3660 |
| Lease Number: G02553 | Source of Paleo: OPERATOR | Borehole MD: 9680 |
| Well Name: A007 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 7239 |
| API Well Number: 177024050900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 3660 - 9680 | Water Depth: 184 |
| Public Info Code: Y 22-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3660 / 3017 | DEF AT first sample examined | DEF AT 2 |
| 3661 / 3017 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 4050 / 3287 | DEF AT - - - - | DEF AT 3 |
| 4500 / 3585 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7860 / 5890 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 9680 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 540 | Date of Summary: 11-JAN-1979 | First Sample Examined: 3010 |
| Lease Number: G02553 | Source of Paleo: OPERATOR | Borehole MD: 8710 |
| Well Name: A008 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8033 |
| API Well Number: 177024052500 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 3010 - 8710 | Water Depth: 184 |
| Public Info Code: Y 22-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3010 / 3009 | DEF AT first sample examined | DEF AT 3 |
| 3011 / 3010 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 3730 / 3729 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 4960 / 4955 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 5770 / 5705 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 5950 / 5864 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 8710 / 8033 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 554 | Date of Summary: 03-AUG-1987 | First Sample Examined: 0 |
| Lease Number: G07629 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10941 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10941 |
| API Well Number: 177024091200 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 190 |
| Public Info Code: Y 29-JUL-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1850 / 1848 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 6160 / 6158 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9619 / 9615 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 554 | Date of Summary: 05-DEC-1989 | First Sample Examined: 4500 |
| Lease Number: G07629 | Source of Paleo: OPERATOR | Borehole MD: 14295 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14291 |
| API Well Number: 177024097200 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 61 |
| Paleo Report Num: 1 of 2 | Sample Range: 4500 - 14280 | Water Depth: 194 |
| Public Info Code: Y 28-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4500 / 4500 | DEF AT first sample examined | DEF AT 2 |
| 4501 / 4501 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 2 |
| 5490 / 5490 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 2 |
| 6030 / 6030 | DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 2 |
| 6090 / 6090 | DEF AT - - - - - | DEF AT 3 |
| 6330 / 6330 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 10980 / 10978 | DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta | DEF AT 4 |
| 11010 / 11008 | DEF AT Cyclammina sp. (local marker) | DEF AT 4 |
| 13890 / 13887 | DEF AT anhydrite | DEF AT 4 |
| 14280 / 14276 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 554 | Date of Summary: 05-DEC-1989 | First Sample Examined: 4500 |
| Lease Number: G07629 | Source of Paleo: OPERATOR | Borehole MD: 14295 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14291 |
| API Well Number: 177024097200 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 61 |
| Paleo Report Num: 2 of 2 | Sample Range: 4500 - 14280 | Water Depth: 194 |
| Public Info Code: Y 28-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4500 / 4500 | DEF AT first sample examined | DEF AT |
| 4680 / 4680 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 6210 / 6210 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 10980 / 10978 | POS AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 14130 / 14126 | POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 14280 / 14276 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WC 554 | Date of Summary: 24-SEP-1990 | First Sample Examined: 12800 |
| Lease Number: G10598 | Source of Paleo: OPERATOR | Borehole MD: 17823 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14998 |
| API Well Number: 177024099601 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 2 | Sample Range: 12800 - 17823 | Water Depth: 194 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12800 / 12433 | DEF AT first sample examined | DEF IN 4 |
| 12801 / 12434 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF IN 4 |
| 17823 / 15001 | DEF AT last sample examined | DEF IN 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WC 554 | Date of Summary: 24-SEP-1990 | First Sample Examined: 12800 |
| Lease Number: G10598 | Source of Paleo: OPERATOR | Borehole MD: 17823 |
| Well Name: A003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 14998 |
| API Well Number: 177024099601 | Drilling Operator: UNION TEXAS PETROLEUM CORP | Rkb Elevation: 95 |
| Paleo Report Num: 2 of 2 | Sample Range: 12800 - 17823 | Water Depth: 194 |
| Public Info Code: Y 30-JUN-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Calcareous nannofossil report, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 12800 / 12433 | DEF AT first sample examined | DEF AT |
| 17823 / 15001 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 556 | Date of Summary: 25-SEP-1984 | First Sample Examined: 0 |
| Lease Number: G05346 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5791 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 4441 |
| API Well Number: 177024084400 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 170 |
| Public Info Code: Y 22-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1660 / 1650 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 556 | Date of Summary: 20-SEP-1985 | First Sample Examined: 0 |
| Lease Number: G05346 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15444 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 13292 |
| API Well Number: 177024084300 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 177 |
| Public Info Code: Y 07-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1780 / 1779 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7510 / 6669 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 11940 / 10433 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 556 | Date of Summary: 29-AUG-1985 | First Sample Examined: 0 |
| Lease Number: G05346 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14044 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 11600 |
| API Well Number: 177024085900 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 172 |
| Public Info Code: Y 01-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1720 / 1719 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3520 / 3374 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 7620 / 6604 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 12350 / 10225 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 556 | Date of Summary: 29-AUG-1985 | First Sample Examined: 0 |
| Lease Number: G05346 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 17019 |
| Well Name: B002 | Paleo Done By: OPERATOR | Borehole TVD: 13803 |
| API Well Number: 177024086000 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 177 |
| Public Info Code: Y 13-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1860 / 1814 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3780 / 3345 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 7980 / 6548 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 12840 / 10443 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 557 | Date of Summary: 17-JAN-1986 | First Sample Examined: 9010 |
| Lease Number: G05347 | Source of Paleo: OPERATOR | Borehole MD: 15004 |
| Well Name: C002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 14514 |
| API Well Number: 177024087500 | Drilling Operator: BELNORTH PETROLEUM CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 9010 - 14950 | Water Depth: 200 |
| Public Info Code: Y 28-JAN-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9010 / 9007 | DEF AT first sample examined | DEF AT 2 |
| 9340 / 9327 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 9790 / 9757 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 10150 / 10089 | DEF AT sample gap top | POS AT 4 |
| 10720 / 10610 | DEF AT sample gap bottom | DEF AT 4 |
| 11480 / 11308 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 14950 / 14473 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 557 | Date of Summary: 19-NOV-1986 | First Sample Examined: 8500 |
| Lease Number: G05347 | Source of Paleo: OPERATOR | Borehole MD: 14119 |
| Well Name: C003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 13375 |
| API Well Number: 177024087900 | Drilling Operator: BELNORTH PETROLEUM CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 8500 - 14110 | Water Depth: 200 |
| Public Info Code: Y 01-DEC-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8500 / 8240 | DEF AT first sample examined | DEF AT 2 |
| 9670 / 9223 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 10270 / 9738 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 12010 / 11317 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 13660 / 12922 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 14110 / 13372 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 557 | Date of Summary: 14-OCT-1986 | First Sample Examined: 0 |
| Lease Number: G06651 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15245 |
| Well Name: C006 | Paleo Done By: OPERATOR | Borehole TVD: 14088 |
| API Well Number: 177024090100 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 107 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 200 |
| Public Info Code: Y 14-OCT-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6410 / 6001 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 9740 / 9024 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 10790 / 10008 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 557 | Date of Summary: 17-MAY-1985 | First Sample Examined: 5040 |
| Lease Number: G21058 | Source of Paleo: OPERATOR | Borehole MD: 16360 |
| Well Name: C001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 16000 |
| API Well Number: 177024086500 | Drilling Operator: BELNORTH PETROLEUM CORPORATION | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 5040 - 16320 | Water Depth: 200 |
| Public Info Code: Y 08-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 5040 / 5040 | DEF AT first sample examined | DEF AT 1 |
| 6060 / 6060 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6480 / 6480 | DEF AT - - - - - | DEF AT 2 |
| 9780 / 9780 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 11490 / 11435 | DEF AT - - - - - | DEF AT 3 |
| 13770 / 13553 | DEF AT sample gap top | POS AT 3 |
| 14309 / 14067 | DEF AT sample gap bottom | DEF AT 3 |
| 14310 / 14068 | DEF AT - - - - - | DEF AT 2 |
| 16230 / 15879 | DEF AT - - - - - | DEF AT 5 |
| 16290 / 15935 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 6 |
| 16320 / 15964 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 557 | Date of Summary: 09-SEP-1987 | First Sample Examined: 0 |
| Lease Number: G21058 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15568 |
| Well Name: C003 | Paleo Done By: OPERATOR | Borehole TVD: 15304 |
| API Well Number: 177024087901 | Drilling Operator: ENRON CORP | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 200 |
| Public Info Code: Y 13-JUN-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13978 / 13800 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 15480 / 15220 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 563 | Date of Summary: 30-JAN-1978 | First Sample Examined: 3650 |
| Lease Number: G03284 | Source of Paleo: OPERATOR | Borehole MD: 8785 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8750 |
| API Well Number: 177024044900 | Drilling Operator: PENNZOIL LOUISIANA AND TEXAS | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 3650 - 8780 | Water Depth: 190 |
| Public Info Code: Y 29-AUG-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 3650 / 3649 | DEF AT first sample examined | DEF IN 3 |
| 4520 / 4519 | DEF AT sample gap top | POS IN 3 |
| 5269 / 5268 | DEF AT sample gap bottom | DEF IN 3 |
| 5270 / 5269 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A") | DEF IN 3 |
| 5420 / 5419 | POS AT - - - - - | POS AT 4 |
| 6260 / 6259 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | POS AT 4 |
| 6320 / 6319 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | POS AT 4 |
| 6950 / 6949 | POS AT Lower Pleistocene (Calabrian) Uvigerina hispida | POS AT 4 |
| 8210 / 8208 | DEF AT local marker foram increase | POS AT 4 |
| 8510 / 8508 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | POS AT 4 |
| 8780 / 8778 | DEF AT last sample examined | POS AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 563 | Date of Summary: 16-MAR-1978 | First Sample Examined: 4240 |
| Lease Number: G03284 | Source of Paleo: OPERATOR | Borehole MD: 11539 |
| Well Name: A002 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8471 |
| API Well Number: 177024047100 | Drilling Operator: PENNZOIL LOUISIANA AND TEXAS | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 4240 - 11530 | Water Depth: 192 |
| Public Info Code: Y 29-AUG-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 4240 / 3655 | DEF AT first sample examined | DEF IN 2 |
| 5110 / 4177 | DEF AT - - - - - | DEF AT 3 |
| 8770 / 6543 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 3 |
| 9070 / 6755 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 9160 / 6819 | DEF AT - - - - - | DEF AT 4 |
| 9190 / 6841 | DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 9730 / 7229 | DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme) | DEF AT 4 |
| 9760 / 7251 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 9820 / 7295 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 11530 / 8489 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 563 | Date of Summary: 26-MAY-1978 | First Sample Examined: 4770 |
| Lease Number: G03284 | Source of Paleo: OPERATOR | Borehole MD: 9640 |
| Well Name: A004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 6905 |
| API Well Number: 177024048400 | Drilling Operator: PENNZOIL LOUISIANA AND TEXAS | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 4770 - 9640 | Water Depth: 192 |
| Public Info Code: Y 29-AUG-1996 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 4770 / 3636 | DEF AT first sample examined | DEF IN 2 |
| 6320 / 4640 | DEF AT - - - - - | DEF AT 3 |
| 7430 / 5358 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7520 / 5420 | POS AT - - - - - | DEF AT 4 |
| 9140 / 6540 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 9320 / 6670 | DEF AT - - - - - | DEF AT 4 |
| 9640 / 6902 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 566 | Date of Summary: 21-DEC-1983 | First Sample Examined: 4060 |
| Lease Number: G05348 | Source of Paleo: OPERATOR | Borehole MD: 12300 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11068 |
| API Well Number: 177024078600 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 2 | Sample Range: 4060 - 9580 | Water Depth: 190 |
| Public Info Code: Y 10-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 4060 / 4052 | DEF AT first sample examined | DEF AT 2 |
| 5410 / 5268 | DEF AT - - - - - | DEF AT 4 |
| 5500 / 5345 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 5620 / 5448 | DEF AT - - - - - | DEF AT 3 |
| 6340 / 6068 | DEF AT - - - - - | DEF AT 2 |
| 8260 / 7708 | DEF AT - - - - - | DEF AT 3 |
| 8290 / 7733 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8830 / 8187 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 8860 / 8213 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 8950 / 8289 | DEF AT - - - - - | DEF AT 4 |
| 9250 / 8543 | DEF AT cement | POS AT 4 |
| 9400 / 8666 | DEF AT - - - - - | DEF AT 4 |
| 9580 / 8809 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 566 | Date of Summary: 21-DEC-1983 | First Sample Examined: 8710 |
| Lease Number: G05348 | Source of Paleo: OPERATOR | Borehole MD: 12300 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11068 |
| API Well Number: 177024078600 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 2 of 2 | Sample Range: 8710 - 12300 | Water Depth: 190 |
| Public Info Code: Y 10-JAN-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8710 / 8086 | DEF AT first sample examined | POS AT 4 |
| 8711 / 8087 | DEF AT cement | POS AT 4 |
| 9040 / 8365 | DEF AT - - - - - | DEF AT 4 |
| 9100 / 8416 | DEF IN Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 9225 / 8522 | DEF AT cement | POS AT 4 |
| 9460 / 8714 | DEF AT - - - - - | DEF AT 4 |
| 9760 / 8952 | POS IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9880 / 9047 | DEF AT - - - - - | DEF AT 3 |
| 10539 / 9583 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 10540 / 9584 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 10778 / 9779 | DEF AT Bathysiphon fauna | DEF AT 5 |
| 10779 / 9780 | DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B" | DEF AT 5 |
| 10780 / 9780 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 10960 / 9929 | DEF AT - - - - - | DEF AT 6 |
| 11949 / 10763 | POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi | DEF AT 6 |
| 11950 / 10764 | DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda | DEF AT 6 |
| 11951 / 10765 | DEF IN deepwater facies Harang | DEF AT 6 |
| 12300 / 11068 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 566 | Date of Summary: 09-APR-1984 | First Sample Examined: 3960 |
| Lease Number: G05348 | Source of Paleo: OPERATOR | Borehole MD: 11550 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10000 |
| API Well Number: 177024082400 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 3960 - 10170 | Water Depth: 190 |
| Public Info Code: Y 04-MAY-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 3960 / 3959 | DEF AT first sample examined | DEF AT 2 |
| 5010 / 4998 | DEF AT poor sample interval top | POS AT 2 |
| 5730 / 5667 | DEF AT poor sample interval bottom | DEF AT 3 |
| 6180 / 6034 | DEF AT ----- | DEF AT 2 |
| 8520 / 7717 | DEF AT ----- | DEF AT 3 |
| 8790 / 7912 | DEF AT ----- | DEF AT 4 |
| 8820 / 7933 | DEF AT local marker benthic foram increase | DEF AT 4 |
| 9120 / 8142 | DEF AT ----- | DEF AT 3 |
| 9330 / 8284 | DEF AT ----- | DEF AT 2 |
| 10170 / 8854 | DEF AT last sample examined | DEF AT 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 566 | Date of Summary: 30-APR-1984 | First Sample Examined: 4110 |
| Lease Number: G05348 | Source of Paleo: OPERATOR | Borehole MD: 9800 |
| Well Name: 003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8600 |
| API Well Number: 177024081800 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 4110 - 9390 | Water Depth: 190 |
| Public Info Code: Y 26-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 4110 / 4110 | DEF AT first sample examined | DEF AT 2 |
| 5580 / 5491 | DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 3 |
| 6060 / 5873 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 2 |
| 6180 / 5967 | DEF AT - - - - - | DEF AT 2 |
| 8190 / 7469 | DEF AT - - - - - | DEF AT 3 |
| 8490 / 7698 | DEF AT - - - - - | DEF AT 4 |
| 8520 / 7721 | POS AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 8640 / 7814 | DEF AT - - - - - | DEF IN 2 |
| 9390 / 8396 | DEF AT last sample examined | DEF IN 2 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 570 | Date of Summary: 12-NOV-1984 | First Sample Examined: 4030 |
| Lease Number: G05188 | Source of Paleo: OPERATOR | Borehole MD: 12280 |
| Well Name: 005 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10859 |
| API Well Number: 177024084900 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 4030 - 12250 | Water Depth: 190 |
| Public Info Code: Y 25-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4030 / 4030 | DEF AT first sample examined | DEF AT 2 |
| 4031 / 4031 | DEF AT cement | DEF AT 2 |
| 5330 / 5297 | DEF AT - - - - - | DEF AT 3 |
| 5950 / 5826 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7090 / 6723 | DEF AT - - - - - | DEF AT 2 |
| 10510 / 9420 | DEF AT - - - - - | DEF AT 4 |
| 10600 / 9491 | DEF AT Cyclammina sp. (local marker) | DEF AT 4 |
| 11260 / 10028 | DEF AT - - - - - | DEF AT 3 |
| 12250 / 10839 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 570 | Date of Summary: 12-NOV-1984 | First Sample Examined: 4100 |
| Lease Number: G05188 | Source of Paleo: OPERATOR | Borehole MD: 10720 |
| Well Name: 005 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10393 |
| API Well Number: 177024084901 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 109 |
| Paleo Report Num: 1 of 1 | Sample Range: 4100 - 10720 | Water Depth: 190 |
| Public Info Code: Y 08-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 4100 / 4100 | DEF AT first sample examined | DEF AT 2 |
| 5870 / 5801 | DEF AT ----- | DEF AT 3 |
| 6080 / 5999 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7040 / 6908 | DEF AT ----- | DEF AT 2 |
| 9290 / 9030 | DEF AT ----- | DEF AT 4 |
| 9470 / 9200 | DEF AT Cyclammina sp. (local marker) | DEF AT 4 |
| 10010 / 9712 | DEF AT ----- | DEF AT 3 |
| 10720 / 10392 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 570 | Date of Summary: 08-AUG-1984 | First Sample Examined: 5200 |
| Lease Number: G05188 | Source of Paleo: OPERATOR | Borehole MD: 10000 |
| Well Name: A005 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9549 |
| API Well Number: 177024083800 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 5200 - 9953 | Water Depth: 190 |
| Public Info Code: Y 07-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|----------|
| 5200 / 5189 | DEF AT first sample examined | DEF AT 2 |
| 5912 / 5864 | DEF AT - - - - - | DEF AT 4 |
| 6779 / 6671 | DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 6958 / 6835 | DEF AT - - - - - | DEF AT 2 |
| 8670 / 8351 | DEF AT - - - - - | DEF AT 3 |
| 9070 / 8707 | DEF AT sample gap top | POS AT 3 |
| 9144 / 8773 | DEF AT sample gap bottom | DEF AT 4 |
| 9145 / 8774 | POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 4 |
| 9430 / 9032 | DEF AT - - - - - | DEF AT 3 |
| 9953 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 570 | Date of Summary: 28-AUG-1984 | First Sample Examined: 5000 |
| Lease Number: G05188 | Source of Paleo: OPERATOR | Borehole MD: 9993 |
| Well Name: A006 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9732 |
| API Well Number: 177024084200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 5000 - 9947 | Water Depth: 190 |
| Public Info Code: Y 24-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5000 / 4998 | DEF AT first sample examined | DEF AT 2 |
| 6050 / 6014 | DEF AT - - - - - | DEF AT 3 |
| 6355 / 6303 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 6824 / 6749 | DEF AT - - - - - | DEF AT 2 |
| 8391 / 8241 | DEF AT - - - - - | DEF AT 3 |
| 8825 / 8647 | DEF AT Cyclammina sp. (local marker) | DEF AT 4 |
| 9132 / 8936 | DEF AT sample gap top | POS AT 4 |
| 9319 / 9110 | DEF AT sample gap bottom | DEF AT 3 |
| 9947 / 9689 | DEF AT last sample examined | DEF AT 3 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 570 | Date of Summary: 21-DEC-1984 | First Sample Examined: 4090 |
| Lease Number: G05188 | Source of Paleo: OPERATOR | Borehole MD: 9586 |
| Well Name: A008 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9345 |
| API Well Number: 177024084601 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 4090 - 9580 | Water Depth: 190 |
| Public Info Code: Y 25-JAN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4090 / 4087 | DEF AT first sample examined | DEF AT 2 |
| 5780 / 5734 | DEF AT ----- | DEF AT 4 |
| 6480 / 6401 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6640 / 6553 | DEF AT ----- | DEF AT 3 |
| 7190 / 7077 | DEF AT ----- | DEF AT 2 |
| 8934 / 8732 | DEF AT ----- | DEF AT 4 |
| 9367 / 9138 | DEF AT Cyclammina sp. (local marker) | DEF AT 4 |
| 9580 / 9339 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 570 | Date of Summary: 21-JAN-1985 | First Sample Examined: 7410 |
| Lease Number: G05188 | Source of Paleo: OPERATOR | Borehole MD: 9750 |
| Well Name: A008 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9353 |
| API Well Number: 177024084602 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 7410 - 9718 | Water Depth: 190 |
| Public Info Code: Y 05-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 7410 / 7286 | DEF AT first sample examined | DEF AT 2 |
| 8310 / 8095 | DEF AT ----- | DEF AT 3 |
| 8520 / 8278 | DEF AT ----- | DEF AT 2 |
| 8850 / 8567 | DEF AT ----- | DEF AT 4 |
| 9503 / 9137 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 9718 / 9325 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 570 | Date of Summary: 13-MAR-1985 | First Sample Examined: 4250 |
| Lease Number: G05188 | Source of Paleo: OPERATOR | Borehole MD: 13051 |
| Well Name: A009 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11515 |
| API Well Number: 177024086200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 2 | Sample Range: 4250 - 11580 | Water Depth: 190 |
| Public Info Code: Y 21-APR-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4250 / 4030 | DEF AT first sample examined | DEF AT 2 |
| 5750 / 5334 | DEF AT sample gap top | POS AT 2 |
| 6150 / 5698 | DEF AT sample gap bottom | DEF AT 2 |
| 6330 / 5854 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 7500 / 6905 | DEF AT ----- | DEF AT 2 |
| 9120 / 8308 | DEF AT ----- | DEF AT 3 |
| 9420 / 8564 | DEF AT ----- | DEF AT 4 |
| 9540 / 8666 | DEF AT ----- | DEF AT 3 |
| 10260 / 9275 | DEF AT ----- | DEF AT 4 |
| 10350 / 9352 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 10590 / 9557 | DEF AT ----- | DEF AT 3 |
| 11160 / 10036 | DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 11430 / 10258 | DEF AT ----- | DEF AT 5 |
| 11520 / 10332 | DEF AT local marker deep water fauna | DEF AT 6 |
| 11580 / 10381 | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|------------------------------|
| Area Block: WC 570 | Date of Summary: 08-APR-1985 | First Sample Examined: 10594 |
| Lease Number: G05188 | Source of Paleo: OPERATOR | Borehole MD: 13051 |
| Well Name: A009 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11515 |
| API Well Number: 177024086200 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 90 |
| Paleo Report Num: 2 of 2 | Sample Range: 10594 - 13020 | Water Depth: 190 |
| Public Info Code: Y 21-APR-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10594 / 9560 | DEF AT first sample examined | DEF AT 3 |
| 11190 / 10061 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 11550 / 10357 | DEF AT local marker deep water fauna | DEF AT 6 |
| 11580 / 10381 | DEF AT salt | DEF AT 6 |
| 11581 / 10382 | DEF AT gypsum | DEF AT 6 |
| 13020 / 11588 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------------|-----------------------------|
| Area Block: WC 570 | Date of Summary: 21-DEC-1984 | First Sample Examined: 5334 |
| Lease Number: G05348 | Source of Paleo: OPERATOR | Borehole MD: 11110 |
| Well Name: A007 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 9497 |
| API Well Number: 177024084500 | Drilling Operator: MARK PRODUCING INC | Rkb Elevation: 51 |
| Paleo Report Num: 1 of 1 | Sample Range: 5334 - 11100 | Water Depth: 190 |
| Public Info Code: Y 28-DEC-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5334 / 4756 | DEF AT first sample examined | DEF AT 2 |
| 6568 / 5764 | DEF AT ----- | DEF AT 3 |
| 7000 / 6122 | DEF AT ----- | DEF AT 4 |
| 7124 / 6226 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 7610 / 6636 | DEF AT ----- | DEF AT 2 |
| 9370 / 8095 | DEF AT ----- | DEF AT 4 |
| 9820 / 8460 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 11100 / 9509 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: WC 575 | Date of Summary: 22-APR-1987 | First Sample Examined: 4830 |
| Lease Number: G04844 | Source of Paleo: OPERATOR | Borehole MD: 7765 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 6169 |
| API Well Number: 177024089900 | Drilling Operator: CHEVRON USA INC | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 4830 - 7770 | Water Depth: 190 |
| Public Info Code: Y 27-AUG-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4830 / 4017 | DEF AT first sample examined | DEF AT 1 |
| 5970 / 4840 | DEF AT - - - - - | DEF AT 3 |
| 6000 / 4862 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 7200 / 5761 | DEF AT - - - - - | DEF AT 4 |
| 7770 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 588 | Date of Summary: 12-APR-1994 | First Sample Examined: 3100 |
| Lease Number: G13570 | Source of Paleo: OPERATOR | Borehole MD: 8740 |
| Well Name: 001 | Paleo Done By: THOMAS REILLY | Borehole TVD: 8740 |
| API Well Number: 177024106100 | Drilling Operator: SEAGULL ENERGY E&P INC | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 3100 - 8740 | Water Depth: 212 |
| Public Info Code: Y 31-AUG-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3100 / 3100 | DEF AT first sample examined | DEF AT |
| 3101 / 3101 | DEF AT cement | DEF AT |
| 3460 / 3460 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4990 / 4990 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 5830 / 5830 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 8590 / 8589 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 8680 / 8679 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 8740 / 8739 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 593 | Date of Summary: 18-DEC-1989 | First Sample Examined: 3480 |
| Lease Number: G02023 | Source of Paleo: OPERATOR | Borehole MD: 12995 |
| Well Name: A009 | Paleo Done By: OPERATOR | Borehole TVD: 12096 |
| API Well Number: 177024093700 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 3480 - 12300 | Water Depth: 235 |
| Public Info Code: Y 12-OCT-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Company-integrated foram and nanno report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 3480 / 3480 | DEF AT first sample examined | DEF IN 2 |
| 3690 / 3689 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4590 / 4570 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 3 |
| 4650 / 4627 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT 3 |
| 5610 / 5521 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 6330 / 6191 | DEF AT ----- | DEF AT 2 |
| 6960 / 6780 | DEF AT ----- | DEF AT 3 |
| 7560 / 7341 | DEF AT ----- | DEF AT 2 |
| 8190 / 7924 | DEF AT ----- | DEF IN 2 |
| 9390 / 9022 | DEF AT ----- | DEF AT 3 |
| 9600 / 9213 | DEF AT ----- | DEF AT 2 |
| 10950 / 10386 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT 3 |
| 11430 / 10798 | DEF AT ----- | DEF AT 2 |
| 12300 / 11540 | DEF AT last sample examined | DEF AT 2 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: WC 593 | Date of Summary: 15-JAN-1989 | First Sample Examined: 11850 |
| Lease Number: G02023 | Source of Paleo: OPERATOR | Borehole MD: 12858 |
| Well Name: A009 | Paleo Done By: OPERATOR | Borehole TVD: 12112 |
| API Well Number: 177024093701 | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 117 |
| Paleo Report Num: 1 of 1 | Sample Range: 11850 - 12995 | Water Depth: 241 |
| Public Info Code: Y 02-DEC-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Calcareous nannofossil report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11850 / 11159 | DEF AT first sample examined | DEF AT |
| 11851 / 11160 | DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 12995 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 596 | Date of Summary: 12-NOV-1990 | First Sample Examined: 0 |
| Lease Number: G11815 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8100 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 8100 |
| API Well Number: 177024100800 | Drilling Operator: KING RANCH OIL AND GAS INC | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 261 |
| Public Info Code: Y 31-MAY-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1000 / 1000 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 2435 / 2435 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4865 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 5565 / | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 604 | Date of Summary: 02-DEC-1996 | First Sample Examined: 0 |
| Lease Number: G10601 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7240 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 5469 |
| API Well Number: 177024098000 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 280 |
| Public Info Code: Y 20-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6278 / 5077 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 604 | Date of Summary: 03-DEC-1996 | First Sample Examined: 0 |
| Lease Number: G10601 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7576 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 6796 |
| API Well Number: 177024098401 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 280 |
| Public Info Code: Y 20-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3730 / 3465 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 604 | Date of Summary: 30-JAN-1990 | First Sample Examined: 0 |
| Lease Number: G10601 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11447 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 10190 |
| API Well Number: 177024097700 | Drilling Operator: ANADARKO E&P COMPANY LP | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 280 |
| Public Info Code: Y 20-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5200 / 4461 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 7935 / 6715 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 10457 / 9209 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 605 | Date of Summary: 04-FEB-1999 | First Sample Examined: 0 |
| Lease Number: G02231 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10932 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 9850 |
| API Well Number: 177024122400 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 300 |
| Public Info Code: Y 07-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|---------|
| 6090 / 6049 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT |
| 8010 / 7539 | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT |
| 8970 / 8277 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 9540 / 8733 | DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT |
| 10590 / 9579 | DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT |
| 10680 / 9651 | DEF AT Eggerella 3 (local marker) | DEF AT |
| 10920 / 9841 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 605 | Date of Summary: 04-FEB-1999 | First Sample Examined: 0 |
| Lease Number: G02231 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10932 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 9850 |
| API Well Number: 177024122400 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 110 |
| Paleo Report Num: 2 of 2 | Sample Range: 0 - 0 | Water Depth: 300 |
| Public Info Code: Y 07-JUL-1999 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Calcareous nannofossil report, 9300=Reticulofenestra minuta dominant, 10650=Discoaster spp increase

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5649 / 5637 | DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta | DEF AT |
| 7470 / 7144 | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme) | DEF AT |
| 7860 / 7430 | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii | DEF AT |
| 8640 / 8015 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 8940 / 8253 | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri | DEF AT |
| 9300 / 8540 | DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus | DEF AT |
| 9810 / 8951 | DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae | DEF AT |
| 10650 / 9627 | DEF AT Lower Pliocene (Zanclian) Discoaster variabilis | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 607 | Date of Summary: 13-AUG-1990 | First Sample Examined: 0 |
| Lease Number: G10602 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7350 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 7350 |
| API Well Number: 177024097400 | Drilling Operator: HALL-HOUSTON OIL COMPANY | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 297 |
| Public Info Code: Y 09-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7058 / | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 607 | Date of Summary: 09-FEB-1995 | First Sample Examined: 0 |
| Lease Number: G10602 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8432 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 7978 |
| API Well Number: 177024097600 | Drilling Operator: HALL-HOUSTON OIL COMPANY | Rkb Elevation: 105 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 297 |
| Public Info Code: Y 09-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7341 / 6971 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 607 | Date of Summary: 07-SEP-1990 | First Sample Examined: 0 |
| Lease Number: G10602 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7575 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 7353 |
| API Well Number: 177024099500 | Drilling Operator: HALL-HOUSTON OIL COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 295 |
| Public Info Code: Y 09-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 7224 / 7019 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 607 | Date of Summary: 01-JUL-1997 | First Sample Examined: 0 |
| Lease Number: G10602 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10145 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 9000 |
| API Well Number: 177024114700 | Drilling Operator: APACHE CORPORATION | Rkb Elevation: 150 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 295 |
| Public Info Code: Y 09-OCT-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9070 / 8064 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 9430 / 8374 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| Area Block: WC 613 | Date of Summary: 23-FEB-1984 | First Sample Examined: 3070 |
| Lease Number: G03286 | Source of Paleo: OPERATOR | Borehole MD: 9700 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9700 |
| API Well Number: 177024079600 | Drilling Operator: AMINOIL INC. | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 3070 - 9700 | Water Depth: 300 |
| Public Info Code: Y 21-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3070 / | DEF AT first sample examined | DEF IN 3 |
| 3400 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF IN 3 |
| 7660 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 9700 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 618 | Date of Summary: 03-AUG-1988 | First Sample Examined: 0 |
| Lease Number: G04200 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9350 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 8466 |
| API Well Number: 177024093000 | Drilling Operator: MOBIL OIL EXPLORATION & PRODUC | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 320 |
| Public Info Code: Y 13-JUL-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8010 / 7702 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 619 | Date of Summary: 03-OCT-1978 | First Sample Examined: 1305 |
| Lease Number: G02233 | Source of Paleo: MINERALS MANAGEMENT SERVICE | Borehole MD: 12000 |
| Well Name: 001 | Paleo Done By: JIM COOKE | Borehole TVD: 12000 |
| API Well Number: 177024038000 | Drilling Operator: SHELL OFFSHORE INC | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 1305 - 12000 | Water Depth: 320 |
| Public Info Code: Y 11-FEB-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1305 / | DEF AT first sample examined | DEF IN 3 |
| 1306 / | DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF IN 3 |
| 1800 / | DEF AT - - - - - | DEF AT 4 |
| 3600 / | POS AT local marker deep water fauna | DEF AT 4 |
| 4005 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 5805 / | POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme) | DEF AT 4 |
| 5850 / | DEF AT Cyclamina sp. (local marker) | DEF AT 4 |
| 6975 / | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF IN 3 |
| 8810 / | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B") | DEF AT 4 |
| 9620 / | POS AT Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 5 |
| 9800 / | DEF AT local marker planktic foram increase | DEF AT 5 |
| 12000 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 619 | Date of Summary: 21-JAN-2002 | First Sample Examined: 0 |
| Lease Number: G02233 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11190 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 11190 |
| API Well Number: 177024049100 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 319 |
| Public Info Code: Y 11-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 1690 / 1690 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT |
| 3820 / 3820 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 8690 / 8689 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT |
| 10116 / 10114 | DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 620 | Date of Summary: 05-JUL-1988 | First Sample Examined: 1400 |
| Lease Number: G02234 | Source of Paleo: OPERATOR | Borehole MD: 11104 |
| Well Name: A018 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8929 |
| API Well Number: 177024092800 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 3 | Sample Range: 1400 - 5510 | Water Depth: 303 |
| Public Info Code: Y 07-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1400 / 1399 | DEF AT first sample examined | DEF IN 3 |
| 3050 / 2916 | DEF AT - - - - - | DEF AT 4 |
| 4610 / 3969 | POS AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 4640 / 3991 | DEF AT - - - - - | DEF AT 3 |
| 5510 / 4607 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WC 620 | Date of Summary: 05-JUL-1988 | First Sample Examined: 5390 |
| Lease Number: G02234 | Source of Paleo: OPERATOR | Borehole MD: 11104 |
| Well Name: A018 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8929 |
| API Well Number: 177024092800 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 2 of 3 | Sample Range: 5390 - 11663 | Water Depth: 303 |
| Public Info Code: Y 07-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 5390 / 4521 | DEF AT first sample examined | DEF IN 3 |
| 8150 / 6486 | DEF AT sample gap top | POS IN 3 |
| 8420 / 6682 | DEF AT sample gap bottom | DEF IN 3 |
| 10341 / 8207 | DEF AT - - - - - | DEF AT 4 |
| 11663 / | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WC 620 | Date of Summary: 05-JUL-1988 | First Sample Examined: 11020 |
| Lease Number: G02234 | Source of Paleo: OPERATOR | Borehole MD: 11104 |
| Well Name: A018 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8929 |
| API Well Number: 177024092800 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 100 |
| Paleo Report Num: 3 of 3 | Sample Range: 11020 - 14440 | Water Depth: 303 |
| Public Info Code: Y 07-MAY-1998 | Ecozone Eq MMS: Y | Paleo ID: 004 |

Remark: Redrill 3 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 11020 / 8847 | DEF AT first sample examined | DEF AT 4 |
| 12130 / | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 13240 / | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 13330 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 4 |
| 14440 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 628 | Date of Summary: 08-OCT-1984 | First Sample Examined: 1030 |
| Lease Number: G05357 | Source of Paleo: OPERATOR | Borehole MD: 10823 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9842 |
| API Well Number: 177024085100 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 1030 - 10823 | Water Depth: 320 |
| Public Info Code: Y 15-AUG-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|---|----------|
| 1030 / 1030 | DEF AT first sample examined | DEF IN 2 |
| 1240 / 1240 | DEF AT - - - - - | DEF AT 3 |
| 1300 / 1300 | DEF AT - - - - - | DEF AT 4 |
| 1570 / 1570 | POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 5 |
| 2680 / 2667 | DEF AT - - - - - | DEF AT 4 |
| 3370 / 3250 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 8230 / 7295 | DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis | DEF AT 4 |
| 8290 / 7352 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 4 |
| 9880 / 8901 | DEF AT - - - - - | DEF AT 5 |
| 9940 / 8961 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 5 |
| 10823 / 9842 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|--------------------------|
| Area Block: WC 635 | Date of Summary: 23-JAN-1996 | First Sample Examined: 0 |
| Lease Number: G12811 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13800 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 10510 |
| API Well Number: 177024109900 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 378 |
| Public Info Code: Y 28-FEB-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4860 / 4607 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 9060 / 7199 | DEF AT Upper Miocene (Messinian) Textularia tatumii | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WC 635 | Date of Summary: 07-JUL-1997 | First Sample Examined: 6770 |
| Lease Number: G15121 | Source of Paleo: OPERATOR | Borehole MD: 18083 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13917 |
| API Well Number: 177024114000 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 2 | Sample Range: 6770 - 13210 | Water Depth: 378 |
| Public Info Code: Y 11-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark: Original hole report, foram species abundance and diversity chart available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 6770 / 5327 | DEF AT first sample examined | DEF AT |
| 6771 / 5327 | DEF AT drilling material | DEF AT |
| 6980 / 5476 | DEF AT - - - - | DEF AT 2 |
| 7070 / 5539 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 13100 / 9546 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 3 |
| 13210 / 9620 | DEF AT last sample examined | POS AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|---|-------------------------------------|
| Area Block: WC 635 | Date of Summary: 07-JUL-1997 | First Sample Examined: 13210 |
| Lease Number: G15121 | Source of Paleo: OPERATOR | Borehole MD: 18083 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13917 |
| API Well Number: 177024114000 | Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC | Rkb Elevation: 90 |
| Paleo Report Num: 2 of 2 | Sample Range: 13210 - 18083 | Water Depth: 378 |
| Public Info Code: Y 11-JUN-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13210 / 9620 | DEF AT first sample examined | DEF AT 3 |
| 13360 / 9718 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 3 |
| 14280 / 10366 | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 15540 / 11485 | POS AT Upper Pliocene (Gelasian) Bolivina imperata / "P" | DEF AT 3 |
| 17340 / 13194 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 17400 / 13252 | DEF AT - - - - - | POS AT 4 |
| 18083 / 13917 | DEF AT last sample examined | POS AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WC 642 | Date of Summary: 24-APR-1984 | First Sample Examined: 0 |
| Lease Number: G02240 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8326 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 6546 |
| API Well Number: 177024080900 | Drilling Operator: TENNECO OIL COMPANY | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 410 |
| Public Info Code: Y 23-APR-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4450 / 3951 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|------------------------------------|-----------------------------|
| Area Block: WC 648 | Date of Summary: 01-FEB-1988 | First Sample Examined: 2000 |
| Lease Number: G04268 | Source of Paleo: OPERATOR | Borehole MD: 9158 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9000 |
| API Well Number: 177024092500 | Drilling Operator: SUN OIL COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 2000 - 9151 | Water Depth: 440 |
| Public Info Code: Y 19-FEB-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 2000 / 2000 | DEF AT first sample examined | POS AT 4 |
| 2180 / 2180 | DEF AT - - - - - | DEF AT 4 |
| 2240 / 2240 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 4 |
| 3620 / 3620 | DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 4 |
| 4340 / 4340 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 6050 / 6017 | DEF AT - - - - - | DEF AT 5 |
| 6200 / 6160 | DEF AT - - - - - | DEF AT 4 |
| 8960 / 8810 | DEF AT - - - - - | DEF AT 5 |
| 9151 / 8993 | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: WD 18 | Date of Summary: 15-NOV-1984 | First Sample Examined: 11000 |
| Lease Number: G05669 | Source of Paleo: OPERATOR | Borehole MD: 16095 |
| Well Name: 005 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16095 |
| API Well Number: 177194035000 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 85 |
| Paleo Report Num: 1 of 1 | Sample Range: 11000 - 16095 | Water Depth: 52 |
| Public Info Code: Y 10-JAN-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11000 / 10999 | DEF AT first sample examined | DEF IN 3 |
| 11150 / 11149 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 11420 / 11419 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 11510 / 11509 | DEF AT Eggerella 3 (local marker) | DEF AT 4 |
| 12800 / 12799 | DEF AT Upper Miocene (Tortonian) Textularia "G" | DEF AT 4 |
| 13370 / 13368 | POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 4 |
| 13910 / 13908 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 4 |
| 15320 / | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 16095 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WD 18 | Date of Summary: 16-MAR-1984 | First Sample Examined: 4500 |
| Lease Number: G05669 | Source of Paleo: OPERATOR | Borehole MD: 19300 |
| Well Name: A001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 19151 |
| API Well Number: 177194030100 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 78 |
| Paleo Report Num: 1 of 1 | Sample Range: 4500 - 19320 | Water Depth: 50 |
| Public Info Code: Y 12-MAR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4500 / 4500 | DEF AT first sample examined | DEF IN 2 |
| 9690 / 9688 | DEF AT - - - - - | DEF AT 3 |
| 11310 / 11307 | POS AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 3 |
| 11370 / 11367 | DEF AT - - - - - | DEF AT 4 |
| 13620 / 13617 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 4 |
| 16260 / 16253 | DEF AT local marker benthic foram increase | DEF AT 4 |
| 18960 / | DEF AT Upper Miocene (Tortonian) Globorotalia mayeri | DEF AT 4 |
| 19110 / | DEF AT - - - - - | DEF AT 6 |
| 19320 / | DEF AT last sample examined | DEF AT 6 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: WD 18 | Date of Summary: 07-JUL-1987 | First Sample Examined: 13020 |
| Lease Number: G05669 | Source of Paleo: OPERATOR | Borehole MD: 17262 |
| Well Name: D001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 17262 |
| API Well Number: 177194043800 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 13020 - 17250 | Water Depth: 50 |
| Public Info Code: Y 10-JUL-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13020 / 13018 | DEF AT first sample examined | DEF AT 4 |
| 13021 / 13019 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4 |
| 13950 / 13948 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 4 |
| 16380 / | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 16920 / | POS AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT 4 |
| 17250 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 20 | Date of Summary: 11-SEP-1990 | First Sample Examined: 0 |
| Lease Number: G07789 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16849 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 16790 |
| API Well Number: 177194050900 | Drilling Operator: FOREST OIL CORPORATION | Rkb Elevation: 95 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 45 |
| Public Info Code: Y 12-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 1390 / 1390 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 3250 / 3250 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT |
| 3400 / 3400 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 4870 / 4870 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 9130 / 9129 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 11500 / 11495 | DEF AT Upper Miocene (Tortonian) Cyclamina 3 | DEF AT |
| 13300 / 13266 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 16150 / 16095 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 20 | Date of Summary: 14-DEC-1993 | First Sample Examined: 0 |
| Lease Number: G07789 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16815 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 16796 |
| API Well Number: 177194056900 | Drilling Operator: NEWFIELD EXPLORATION COMPANY | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 42 |
| Public Info Code: Y 12-JUN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13092 / 13089 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 16453 / 16438 | DEF AT salt | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WD 33 | Date of Summary: 11-MAY-1988 | First Sample Examined: 9330 |
| Lease Number: G05670 | Source of Paleo: OPERATOR | Borehole MD: 16563 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16550 |
| API Well Number: 177194046300 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 1 of 2 | Sample Range: 9330 - 13950 | Water Depth: 53 |
| Public Info Code: Y 02-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 9330 / 9322 | DEF AT first sample examined | DEF IN 2 |
| 9570 / 9562 | POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta | DEF IN 2 |
| 9990 / 9982 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF IN 2 |
| 10500 / 10492 | DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase) | DEF IN 2 |
| 11070 / 11062 | POS AT Upper Miocene (Tortonian) Amphistegina "E" | DEF IN 2 |
| 11430 / 11422 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF IN 2 |
| 11610 / 11602 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 11730 / 11722 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 11880 / 11871 | DEF AT Upper Miocene (Tortonian) Textularia "G" | DEF AT 4 |
| 12330 / 12321 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 13590 / 13581 | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens | DEF AT 4 |
| 13770 / 13761 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT 4 |
| 13950 / 13941 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: WD 33 | Date of Summary: 11-MAY-1988 | First Sample Examined: 13950 |
| Lease Number: G05670 | Source of Paleo: OPERATOR | Borehole MD: 16563 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16550 |
| API Well Number: 177194046300 | Drilling Operator: SAMEDAN OIL CORPORATION | Rkb Elevation: 92 |
| Paleo Report Num: 2 of 2 | Sample Range: 13950 - 16530 | Water Depth: 53 |
| Public Info Code: Y 02-SEP-1995 | Ecozone Eq MMS: Y | Paleo ID: 003 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13950 / 13941 | DEF AT first sample examined | DEF AT 4 |
| 15120 / 15109 | DEF AT sample gap top | DEF AT 4 |
| 15510 / 15499 | DEF AT sample gap bottom | DEF AT 4 |
| 16290 / 16278 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 4 |
| 16530 / 16517 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 34 | Date of Summary: 25-OCT-1984 | First Sample Examined: 0 |
| Lease Number: G03414 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 14000 |
| Well Name: 008 | Paleo Done By: OPERATOR | Borehole TVD: 13997 |
| API Well Number: 177194033000 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 96 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 66 |
| Public Info Code: Y 30-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4421 / 4421 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 8005 / 8004 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 9180 / 9179 | DEF IN Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 11430 / 11429 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 11760 / 11759 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 13215 / 13213 | POS AT deepwater facies Listerella fauna | DEF AT |
| 13600 / 13598 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 46 | Date of Summary: 14-DEC-1994 | First Sample Examined: 0 |
| Lease Number: G14562 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 4000 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 4000 |
| API Well Number: 177194059700 | Drilling Operator: GENERAL ATLANTIC RESOURCES INC | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 48 |
| Public Info Code: Y 30-JUN-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3025 / | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 49 | Date of Summary: 16-JUN-1994 | First Sample Examined: 0 |
| Lease Number: G10877 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11350 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 11350 |
| API Well Number: 177194058400 | Drilling Operator: TATHAM OFFSHORE INC | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 34 |
| Public Info Code: Y 30-APR-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|---|---------|
| 6720 / 6720 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 7650 / 7649 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 8370 / 8369 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT |
| 9000 / 8999 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 9720 / 9719 | DEF AT Upper Miocene (Tortonian) Cibicides crebbisi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 50 | Date of Summary: 11-DEC-1984 | First Sample Examined: 0 |
| Lease Number: G05050 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10500 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 10500 |
| API Well Number: 177194034900 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 34 |
| Public Info Code: Y 26-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3010 / | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 9005 / | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 59 | Date of Summary: 21-JUL-1995 | First Sample Examined: 0 |
| Lease Number: G12063 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16961 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16800 |
| API Well Number: 177194060700 | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 86 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 68 |
| Public Info Code: Y 26-JUL-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5757 / 5757 | POS IN Pleistocene | DEF AT |
| 9724 / 9724 | POS AT Upper (Late) Miocene | DEF AT |
| 12312 / 12312 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 13424 / 13423 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |
| 13732 / 13731 | DEF AT Upper Miocene (Tortonian) Textularia "L" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 63 | Date of Summary: 21-DEC-1984 | First Sample Examined: 1000 |
| Lease Number: G02933 | Source of Paleo: OPERATOR | Borehole MD: 12268 |
| Well Name: 005 | Paleo Done By: OPERATOR | Borehole TVD: 11806 |
| API Well Number: 177194035100 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 97 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 12250 | Water Depth: 137 |
| Public Info Code: Y 14-DEC-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 1000 / 1000 | DEF AT first sample examined | DEF AT 2 |
| 2020 / 2007 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 3460 / 3315 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 3580 / 3419 | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 3 |
| 3820 / 3627 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 3 |
| 5320 / 4953 | DEF AT shell fragments | DEF AT 2 |
| 5350 / 4979 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 7780 / 7319 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 8260 / 7799 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT 2 |
| 10870 / 10408 | POS AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 3 |
| 12250 / 11788 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 73 | Date of Summary: 06-MAR-1985 | First Sample Examined: 0 |
| Lease Number: G01083 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 10100 |
| Well Name: D032 | Paleo Done By: OPERATOR | Borehole TVD: 9519 |
| API Well Number: 177194035600 | Drilling Operator: EXXON MOBIL CORPORATION | Rkb Elevation: 100 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 168 |
| Public Info Code: Y 04-FEB-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4050 / 3924 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 76 | Date of Summary: 01-JUN-1988 | First Sample Examined: 0 |
| Lease Number: G04242 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 19264 |
| Well Name: 003 | Paleo Done By: OPERATOR | Borehole TVD: 18615 |
| API Well Number: 177194045000 | Drilling Operator: TEXACO EXPLORATION AND PROD | Rkb Elevation: 88 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 187 |
| Public Info Code: Y 19-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 10130 / 10129 | DEF IN Upper Miocene (Tortonian) Textularia 6 | DEF AT |
| 10680 / 10679 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT |
| 13360 / 13359 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |
| 14969 / 14967 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 17940 / 17937 | DEF IN Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 76 | Date of Summary: 22-MAR-1995 | First Sample Examined: 0 |
| Lease Number: G04242 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12715 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 10904 |
| API Well Number: 177194060200 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 180 |
| Public Info Code: Y 19-JUN-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11610 / 10118 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 79 | Date of Summary: 14-FEB-1989 | First Sample Examined: 0 |
| Lease Number: G01449 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 20152 |
| Well Name: F002 | Paleo Done By: OPERATOR | Borehole TVD: 19947 |
| API Well Number: 177194038300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 101 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 106 |
| Public Info Code: Y 12-MAR-1996 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 14110 / 13922 | DEF IN Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 15830 / 15641 | DEF AT Upper Miocene (Tortonian) Bolivina thalmani | DEF AT |
| 19400 / 19200 | DEF AT Upper Miocene (Tortonian) Uvigerina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 79 | Date of Summary: 28-SEP-1988 | First Sample Examined: 0 |
| Lease Number: G01874 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18825 |
| Well Name: F001 | Paleo Done By: OPERATOR | Borehole TVD: 17886 |
| API Well Number: 177194035900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 102 |
| Paleo Report Num: 1 of 4 | Sample Range: 0 - 0 | Water Depth: 106 |
| Public Info Code: Y 31-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10480 / 10064 | DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 79 | Date of Summary: 28-SEP-1988 | First Sample Examined: 0 |
| Lease Number: G01874 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18825 |
| Well Name: F001 | Paleo Done By: OPERATOR | Borehole TVD: 17886 |
| API Well Number: 177194035900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 102 |
| Paleo Report Num: 2 of 4 | Sample Range: 0 - 0 | Water Depth: 106 |
| Public Info Code: Y 31-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13830 / 13136 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 79 | Date of Summary: 28-SEP-1988 | First Sample Examined: 0 |
| Lease Number: G01874 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18825 |
| Well Name: F001 | Paleo Done By: OPERATOR | Borehole TVD: 17886 |
| API Well Number: 177194035900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 102 |
| Paleo Report Num: 3 of 4 | Sample Range: 0 - 0 | Water Depth: 106 |
| Public Info Code: Y 31-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13840 / 13145 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT |
| 16960 / 16066 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 79 | Date of Summary: 28-SEP-1988 | First Sample Examined: 0 |
| Lease Number: G01874 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18825 |
| Well Name: F001 | Paleo Done By: OPERATOR | Borehole TVD: 17886 |
| API Well Number: 177194035900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 102 |
| Paleo Report Num: 4 of 4 | Sample Range: 0 - 0 | Water Depth: 106 |
| Public Info Code: Y 31-AUG-1995 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark: Sidetrack 3 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 16930 / 16037 | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|------------------------------------|
| Area Block: WD 80 | Date of Summary: 25-SEP-1989 | First Sample Examined: 4000 |
| Lease Number: G01874 | Source of Paleo: OPERATOR | Borehole MD: 16155 |
| Well Name: D037 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15133 |
| API Well Number: 177194048300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 2 | Sample Range: 4000 - 14738 | Water Depth: 102 |
| Public Info Code: Y 21-OCT-1999 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4000 / 3996 | DEF AT first sample examined | DEF IN 1 |
| 4360 / 4344 | DEF AT - - - - - | DEF AT 2 |
| 5050 / 4973 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 2 |
| 5950 / 5782 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 2 |
| 7600 / 7287 | DEF AT - - - - - | DEF AT 3 |
| 7900 / 7560 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 9050 / 8603 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 10220 / 9661 | DEF AT - - - - - | DEF AT 4 |
| 10310 / 9743 | POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 13190 / 12423 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 4 |
| 14738 / 13836 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 80 | Date of Summary: 25-SEP-1989 | First Sample Examined: 13720 |
| Lease Number: G01874 | Source of Paleo: OPERATOR | Borehole MD: 16155 |
| Well Name: D037 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 15133 |
| API Well Number: 177194048300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 115 |
| Paleo Report Num: 2 of 2 | Sample Range: 13720 - 16155 | Water Depth: 102 |
| Public Info Code: Y 21-OCT-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark: Sidetrack report, no diagnostic foram markers noted

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 13720 / 12910 | DEF AT first sample examined | DEF AT 4 |
| 16155 / 15133 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 86 | Date of Summary: 31-JAN-1984 | First Sample Examined: 1020 |
| Lease Number: G04243 | Source of Paleo: OPERATOR | Borehole MD: 13690 |
| Well Name: 003 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13180 |
| API Well Number: 177194027000 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 87 |
| Paleo Report Num: 1 of 1 | Sample Range: 1020 - 13690 | Water Depth: 192 |
| Public Info Code: Y 25-FEB-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 1020 / 1020 | DEF AT first sample examined | DEF IN 3 |
| 2900 / 2787 | DEF AT - - - - - | DEF AT 4 |
| 3020 / 2895 | DEF AT - - - - - | DEF AT 5 |
| 3090 / 2958 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 5 |
| 5130 / 4780 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 5340 / 4967 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 6030 / 5579 | DEF AT - - - - - | DEF AT 4 |
| 6330 / 5850 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 6480 / 5990 | DEF AT - - - - - | DEF AT 3 |
| 9780 / 9271 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 10200 / 9691 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 4 |
| 12810 / 12300 | DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A" | DEF AT 4 |
| 13690 / 13180 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 86 | Date of Summary: 02-JUL-1984 | First Sample Examined: 4280 |
| Lease Number: G04243 | Source of Paleo: OPERATOR | Borehole MD: 15220 |
| Well Name: A014 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 9992 |
| API Well Number: 177194032500 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 4280 - 15220 | Water Depth: 143 |
| Public Info Code: Y 04-JUL-1994 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 4280 / 3192 | DEF AT first sample examined | DEF AT 3 |
| 4370 / 3243 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3 |
| 4970 / 3584 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 3 |
| 7460 / 5079 | POS AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 3 |
| 12850 / 8475 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 3 |
| 13090 / 8629 | DEF AT - - - - - | DEF AT 4 |
| 13570 / 8938 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |
| 15220 / 9993 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 86 | Date of Summary: 14-JAN-1991 | First Sample Examined: 0 |
| Lease Number: G04243 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11417 |
| Well Name: B001 | Paleo Done By: OPERATOR | Borehole TVD: 9110 |
| API Well Number: 177194050000 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 93 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 190 |
| Public Info Code: Y 21-DEC-1999 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3974 / 3900 | DEF IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |
| 5874 / 5323 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 8406 / 7039 | DEF IN Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 86 | Date of Summary: 10-APR-1984 | First Sample Examined: 9590 |
| Lease Number: G04895 | Source of Paleo: OPERATOR | Borehole MD: 14600 |
| Well Name: A010 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 8460 |
| API Well Number: 177194031700 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 9590 - 14600 | Water Depth: 143 |
| Public Info Code: Y 19-APR-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9590 / 6003 | DEF AT first sample examined | DEF AT 3 |
| 11540 / 7002 | DEF AT sample gap top | POS AT 3 |
| 11720 / 7107 | DEF AT sample gap bottom | DEF AT 3 |
| 13160 / 7853 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF AT 3 |
| 14600 / 8460 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 86 | Date of Summary: 07-MAY-1984 | First Sample Examined: 3870 |
| Lease Number: G04895 | Source of Paleo: OPERATOR | Borehole MD: 6504 |
| Well Name: A012 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 5554 |
| API Well Number: 177194032300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 108 |
| Paleo Report Num: 1 of 1 | Sample Range: 3870 - 6505 | Water Depth: 143 |
| Public Info Code: Y 24-MAY-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 3870 / 3306 | DEF AT first sample examined | DEF AT 4 |
| 3871 / 3307 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 3940 / 3358 | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 4 |
| 4240 / 3586 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 4 |
| 4930 / 4145 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 6190 / 5258 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 6505 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 86 | Date of Summary: 04-SEP-1984 | First Sample Examined: 10420 |
| Lease Number: G04895 | Source of Paleo: OPERATOR | Borehole MD: 13661 |
| Well Name: A015 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 13223 |
| API Well Number: 177194033400 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 110 |
| Paleo Report Num: 1 of 1 | Sample Range: 10420 - 13660 | Water Depth: 143 |
| Public Info Code: Y 27-SEP-1994 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10420 / 10108 | DEF AT first sample examined | DEF IN 4 |
| 10421 / 10109 | DEF IN Upper Miocene (Tortonian) Robulus "E" | DEF IN 4 |
| 11380 / 11036 | DEF AT - - - - | DEF AT 4 |
| 13660 / 13222 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WD 88 | Date of Summary: 13-DEC-1989 | First Sample Examined: 9000 |
| Lease Number: G10882 | Source of Paleo: OPERATOR | Borehole MD: 15617 |
| Well Name: 001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 14805 |
| API Well Number: 177194049700 | Drilling Operator: FMP OPERATING COMPANY A LIMIT | Rkb Elevation: 99 |
| Paleo Report Num: 1 of 1 | Sample Range: 9000 - 15570 | Water Depth: 216 |
| Public Info Code: Y 01-DEC-1999 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9000 / 8971 | DEF AT first sample examined | DEF AT 1 |
| 9001 / 8972 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 1 |
| 9540 / 9468 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 2 |
| 10109 / 9962 | DEF AT Cyclammina sp. (local marker) | DEF AT 2 |
| 10110 / 9963 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 2 |
| 10620 / 10402 | DEF AT local marker foram increase | DEF AT 2 |
| 11160 / 10868 | DEF AT local marker foram increase | DEF AT 2 |
| 12990 / 12464 | DEF AT Eggerella sp. (local marker) | DEF AT 2 |
| 13140 / 12597 | DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6 | DEF AT 3 |
| 13470 / 12888 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 13740 / 13127 | POS AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 14070 / 13421 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 14370 / 13688 | DEF AT Upper Miocene (Tortonian) Robulus "E" | DEF AT 3 |
| 15570 / 14762 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|------------------------------|
| Area Block: WD 89 | Date of Summary: 20-JAN-1988 | First Sample Examined: 13000 |
| Lease Number: G01088 | Source of Paleo: OPERATOR | Borehole MD: 20500 |
| Well Name: C006 | Paleo Done By: OPERATOR | Borehole TVD: 20426 |
| API Well Number: 177194043400 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 98 |
| Paleo Report Num: 1 of 1 | Sample Range: 13000 - 20500 | Water Depth: 199 |
| Public Info Code: Y 02-OCT-1997 | Ecozone Eq MMS: Y | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13000 / 12998 | DEF AT first sample examined | DEF AT 3 |
| 14500 / 14497 | DEF AT Upper Miocene (Tortonian) Cristellaria "K" | DEF AT 3 |
| 19300 / 19290 | DEF AT Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 3 |
| 20500 / 20488 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 97 | Date of Summary: 04-DEC-1991 | First Sample Examined: 0 |
| Lease Number: G07793 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5630 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 5005 |
| API Well Number: 177194053200 | Drilling Operator: EL PASO PRODUCTION GOM INC | Rkb Elevation: 90 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 170 |
| Public Info Code: Y 02-MAR-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3472 / 3191 | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4890 / 4367 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 5229 / 4657 | POS IN Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 97 | Date of Summary: 08-APR-1987 | First Sample Examined: 1300 |
| Lease Number: G08457 | Source of Paleo: OPERATOR | Borehole MD: 10325 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 9112 |
| API Well Number: 177194041700 | Drilling Operator: ATLANTIC RICHFIELD COMPANY | Rkb Elevation: 94 |
| Paleo Report Num: 1 of 1 | Sample Range: 1300 - 10325 | Water Depth: 156 |
| Public Info Code: Y 06-DEC-1996 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|--------------|--|----------|
| 1300 / 1300 | DEF AT first sample examined | DEF AT 3 |
| 1301 / 1301 | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa | DEF AT 3 |
| 1570 / 1570 | DEF AT - - - - | DEF AT 4 |
| 2470 / 2470 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 3370 / 3370 | POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 4300 / 4300 | DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 5980 / 5932 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 2 |
| 6820 / 6545 | POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 2 |
| 9880 / 8756 | POS AT Upper Miocene (Messinian) Textularia "X" | DEF IN 1 |
| 10325 / 9098 | DEF AT last sample examined | DEF IN 1 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 97 | Date of Summary: 28-JAN-1988 | First Sample Examined: 0 |
| Lease Number: G08457 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9000 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 8999 |
| API Well Number: 177194045800 | Drilling Operator: TXP OPERATING COMPANY | Rkb Elevation: 81 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 171 |
| Public Info Code: Y 31-JAN-1998 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2750 / 2750 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT |
| 4320 / 4320 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT |
| 5790 / 5790 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 6120 / 6120 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 7080 / 7079 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 8970 / 8969 | DEF AT Upper Miocene (Tortonian) Textularia 6 | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 103 | Date of Summary: 27-MAR-1985 | First Sample Examined: 2300 |
| Lease Number: 00840 | Source of Paleo: OPERATOR | Borehole MD: 14259 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 11803 |
| API Well Number: 177194036600 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 2300 - 14280 | Water Depth: 240 |
| Public Info Code: Y 04-APR-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 2300 / 2300 | DEF AT first sample examined | DEF AT 5 |
| 3000 / 3000 | DEF AT Turtle Grass fauna = Amphistegina Mound | DEF AT 3 |
| 3320 / 3319 | DEF AT - - - - - | DEF AT 2 |
| 4440 / 4382 | DEF AT sample gap top | POS AT 2 |
| 4559 / 4489 | DEF AT sample gap bottom | DEF AT 4 |
| 4560 / 4490 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 4690 / 4606 | DEF AT - - - - - | DEF AT 3 |
| 7480 / 6848 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 8918 / 7925 | DEF AT Cyclammina sp. (local marker) | DEF AT 4 |
| 8919 / 7925 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 4 |
| 8920 / 7926 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 9130 / 8088 | DEF AT - - - - - | DEF AT 3 |
| 12820 / 10761 | POS AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 3 |
| 13158 / 11007 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 13159 / 11008 | DEF AT Arenaceous fauna (local marker) | DEF AT 4 |
| 13160 / 11009 | POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 4 |
| 14280 / | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 103 | Date of Summary: 27-MAR-1985 | First Sample Examined: 3140 |
| Lease Number: 00840 | Source of Paleo: OPERATOR | Borehole MD: 14067 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10233 |
| API Well Number: 177194036601 | Drilling Operator: MCMORAN OIL & GAS CO | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 1 | Sample Range: 3140 - 14050 | Water Depth: 240 |
| Public Info Code: Y 20-APR-1995 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 3140 / 3140 | DEF AT first sample examined | DEF AT |
| 3141 / 3141 | DEF AT cement | DEF AT |
| 4010 / 3968 | DEF AT faunal change (no faunal increase) | DEF AT 2 |
| 4610 / 4441 | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina | DEF AT 4 |
| 4820 / 4585 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 8630 / 6726 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 3 |
| 10040 / 7611 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 4 |
| 10250 / 7745 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 12730 / 9379 | DEF AT faunal change (no faunal increase) | DEF AT 4 |
| 12910 / 9491 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 14050 / 10221 | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 104 | Date of Summary: 28-AUG-1984 | First Sample Examined: 1000 |
| Lease Number: 00841 | Source of Paleo: OPERATOR | Borehole MD: 7000 |
| Well Name: 005 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7000 |
| API Well Number: 177194033900 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 1000 - 7000 | Water Depth: 246 |
| Public Info Code: Y 16-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|---|----------|
| 1000 / | DEF AT first sample examined | DEF AT 2 |
| 1480 / | DEF AT ----- | DEF AT 3 |
| 1660 / | DEF AT ----- | DEF AT 2 |
| 2290 / | DEF AT ----- | DEF AT 4 |
| 2770 / | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 3040 / | DEF AT ----- | DEF AT 3 |
| 3610 / | DEF AT ----- | DEF AT 4 |
| 4689 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 4690 / | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 4 |
| 4960 / | DEF AT ----- | DEF AT 3 |
| 6580 / | POS AT Lower Pliocene (Zanclian) Cibicides marsi | DEF AT 3 |
| 7000 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 105 | Date of Summary: 28-AUG-1984 | First Sample Examined: 1070 |
| Lease Number: 00842 | Source of Paleo: OPERATOR | Borehole MD: 7000 |
| Well Name: 006 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 7000 |
| API Well Number: 177194033600 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 1070 - 7010 | Water Depth: 247 |
| Public Info Code: Y 04-SEP-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 1070 / | DEF AT first sample examined | DEF AT 2 |
| 1400 / | DEF AT - - - - - | DEF AT 3 |
| 1580 / | DEF AT - - - - - | DEF AT 2 |
| 2480 / | DEF AT sample gap top | POS AT 2 |
| 3080 / | DEF AT sample gap bottom | DEF AT 4 |
| 3110 / | DEF IN Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 3290 / | DEF AT - - - - - | DEF AT 3 |
| 4090 / | DEF AT - - - - - | DEF AT 5 |
| 4119 / | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 5 |
| 4120 / | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 4540 / | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 4629 / | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 4630 / | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 4 |
| 5020 / | DEF AT - - - - - | DEF AT 3 |
| 6140 / | DEF AT - - - - - | DEF AT 2 |
| 6530 / | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 3 |
| 7010 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|----------------------------|
| Area Block: WD 105 | Date of Summary: 22-OCT-1984 | First Sample Examined: 950 |
| Lease Number: 00842 | Source of Paleo: OPERATOR | Borehole MD: 10000 |
| Well Name: 007 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 8316 |
| API Well Number: 177194034000 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 82 |
| Paleo Report Num: 1 of 1 | Sample Range: 950 - 10005 | Water Depth: 234 |
| Public Info Code: Y 05-OCT-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|-------------|--|----------|
| 950 / 950 | DEF AT first sample examined | DEF AT 2 |
| 1310 / 1310 | DEF AT - - - - - | DEF AT 3 |
| 1550 / 1550 | DEF AT - - - - - | DEF AT 2 |
| 2060 / 2059 | DEF AT - - - - - | DEF AT 4 |
| 2690 / 2643 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 4429 / 3983 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 4 |
| 4430 / 3983 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 5030 / 4434 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 5270 / 4624 | DEF AT - - - - - | DEF AT 3 |
| 7850 / 6647 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 3 |
| 9915 / 8253 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 3 |
| 10005 / | DEF AT last sample examined | DEF AT 3 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 105 | Date of Summary: 02-NOV-1984 | First Sample Examined: 1940 |
| Lease Number: 00842 | Source of Paleo: OPERATOR | Borehole MD: 13000 |
| Well Name: 007 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 10510 |
| API Well Number: 177194034001 | Drilling Operator: MCMORAN OFFSHORE PRODUCTION CO | Rkb Elevation: 80 |
| Paleo Report Num: 1 of 1 | Sample Range: 1940 - 13000 | Water Depth: 234 |
| Public Info Code: Y 07-NOV-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1940 / 1940 | DEF AT first sample examined | DEF AT 4 |
| 2570 / 2567 | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 4 |
| 3759 / 3706 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 4 |
| 3760 / 3707 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 4 |
| 4659 / 4436 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 4660 / 4437 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 4 |
| 4840 / 4572 | DEF AT - - - - | DEF AT 3 |
| 7839 / 6815 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 3 |
| 7840 / 6815 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 10600 / 8705 | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 3 |
| 11588 / 9422 | DEF AT Cyclamina sp. (local marker) | DEF AT 4 |
| 11589 / 9423 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 11590 / 9423 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT 4 |
| 12010 / 9734 | DEF AT local marker benthic foram increase | DEF AT 4 |
| 13000 / 10510 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 109 | Date of Summary: 05-SEP-1985 | First Sample Examined: 0 |
| Lease Number: G02941 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13375 |
| Well Name: A004 | Paleo Done By: OPERATOR | Borehole TVD: 11352 |
| API Well Number: 177194022101 | Drilling Operator: TEXACO INC | Rkb Elevation: 125 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 183 |
| Public Info Code: Y 05-SEP-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9970 / 8748 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 11770 / 10144 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 13170 / 11198 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 109 | Date of Summary: 06-AUG-1984 | First Sample Examined: 0 |
| Lease Number: G02941 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13050 |
| Well Name: A008 | Paleo Done By: OPERATOR | Borehole TVD: 11725 |
| API Well Number: 177194033200 | Drilling Operator: TEXACO INC | Rkb Elevation: 125 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 183 |
| Public Info Code: Y 24-AUG-1994 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9960 / 8749 | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |
| 11446 / 10032 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 112 | Date of Summary: 14-OCT-1994 | First Sample Examined: 4700 |
| Lease Number: G15646 | Source of Paleo: OPERATOR | Borehole MD: 16579 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16011 |
| API Well Number: 177204013700 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 4700 - 16570 | Water Depth: 260 |
| Public Info Code: Y 30-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4700 / 4700 | DEF AT first sample examined | DEF AT 3 |
| 5030 / 5030 | DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida | DEF AT 4 |
| 5060 / 5060 | DEF AT Upper Pliocene (Gelasian) Cristellaria "S" | DEF AT 5 |
| 5180 / 5180 | DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P" | DEF AT 5 |
| 5209 / 5209 | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata | DEF AT 5 |
| 5210 / 5210 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 5 |
| 5300 / 5300 | DEF AT local marker foram decrease | DEF AT 3 |
| 8520 / 8518 | DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata | DEF AT 3 |
| 9030 / 9027 | POS AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 9090 / 9087 | DEF AT local marker foram decrease | DEF AT 3 |
| 9510 / 9505 | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT 3 |
| 9660 / 9654 | DEF AT Cyclammina sp. (local marker) | DEF AT 3 |
| 9750 / 9744 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 9810 / 9804 | DEF AT Eggerella 3 (local marker) | DEF AT 4 |
| 10070 / 10063 | DEF AT local marker foram increase | DEF AT 4 |
| 10100 / 10092 | DEF AT local marker foram decrease | DEF AT 4 |
| 10430 / 10420 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 13520 / 13153 | DEF AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 4 |
| 15040 / 14507 | DEF AT Eggerella sp. (local marker) | DEF AT 4 |
| 15940 / 15378 | DEF AT Upper Miocene (Messinian) Bolivina denticulata | DEF AT 4 |
| 16180 / 15614 | DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme) | DEF AT 4 |
| 16360 / 15794 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|------------------------------------|
| Area Block: WD 112 | Date of Summary: 14-OCT-1994 | First Sample Examined: 4700 |
| Lease Number: G15646 | Source of Paleo: OPERATOR | Borehole MD: 16579 |
| Well Name: 001 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 16011 |
| API Well Number: 177204013700 | Drilling Operator: MURPHY EXPLORATION & PRODUCTIO | Rkb Elevation: 91 |
| Paleo Report Num: 1 of 1 | Sample Range: 4700 - 16570 | Water Depth: 260 |
| Public Info Code: Y 30-JUN-1998 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 16570 / 16003 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 129 | Date of Summary: 02-OCT-1995 | First Sample Examined: 0 |
| Lease Number: G12070 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15629 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 15604 |
| API Well Number: 177204013900 | Drilling Operator: VASTAR RESOURCES INC. | Rkb Elevation: 104 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 345 |
| Public Info Code: Y 20-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 7840 / 7839 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT |
| 8020 / 8019 | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT |
| 13120 / 13103 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT |
| 14200 / 14178 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 140 | Date of Summary: 20-JUN-1988 | First Sample Examined: 0 |
| Lease Number: G05682 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16570 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16570 |
| API Well Number: 177204012100 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 1 of 2 | Sample Range: 0 - 0 | Water Depth: 305 |
| Public Info Code: Y 23-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 6660 / | DEF AT Upper Pliocene (Piacenzian) Globorotalia multcamerata | DEF AT |
| 11220 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 13528 / | DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WD 140 | Date of Summary: 25-OCT-1992 | First Sample Examined: 6510 |
| Lease Number: G05682 | Source of Paleo: OPERATOR | Borehole MD: 16570 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16570 |
| API Well Number: 177204012100 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 2 of 2 | Sample Range: 4500 - 16410 | Water Depth: 305 |
| Public Info Code: Y 23-OCT-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|----------|--|----------|
| 6510 / | DEF AT first sample examined | DEF AT 3 |
| 6900 / | DEF AT ----- | DEF AT 1 |
| 6960 / | DEF AT ----- | DEF AT 3 |
| 6990 / | DEF AT ----- | DEF AT 1 |
| 7680 / | DEF AT ----- | DEF AT 3 |
| 8010 / | DEF AT ----- | DEF AT 2 |
| 8430 / | DEF AT ----- | DEF AT 0 |
| 8610 / | DEF AT ----- | DEF AT 4 |
| 8700 / | DEF AT ----- | DEF AT 3 |
| 8790 / | DEF AT ----- | DEF AT 2 |
| 8970 / | DEF AT ----- | DEF AT 4 |
| 9060 / | DEF AT ----- | DEF AT 1 |
| 9330 / | DEF AT ----- | DEF AT 2 |
| 9540 / | DEF AT ----- | DEF AT 1 |
| 11040 / | DEF AT ----- | DEF AT 4 |
| 11220 / | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 3 |
| 11340 / | DEF AT ----- | DEF AT 2 |
| 11610 / | DEF AT ----- | DEF AT 3 |
| 11910 / | DEF AT ----- | DEF AT 0 |
| 12180 / | DEF AT ----- | DEF AT 4 |
| 12270 / | DEF AT ----- | DEF AT 3 |
| 12930 / | DEF AT ----- | DEF AT 1 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|--|-----------------------------|
| Area Block: WD 140 | Date of Summary: 25-OCT-1992 | First Sample Examined: 6510 |
| Lease Number: G05682 | Source of Paleo: OPERATOR | Borehole MD: 16570 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16570 |
| API Well Number: 177204012100 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 103 |
| Paleo Report Num: 2 of 2 | Sample Range: 4500 - 16410 | Water Depth: 305 |
| Public Info Code: Y 23-OCT-1997 | Ecozone Eq MMS: Y | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13200 / | DEF AT ----- | DEF AT 4 |
| 13830 / | DEF AT ----- | DEF AT 3 |
| 14130 / | DEF AT ----- | DEF AT 4 |
| 15030 / | DEF AT ----- | DEF AT 2 |
| 15270 / | DEF AT ----- | DEF AT 3 |
| 15360 / | DEF AT ----- | DEF AT 4 |
| 15930 / | DEF AT ----- | DEF AT 3 |
| 16200 / | DEF AT ----- | DEF AT 4 |
| 16350 / | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 16410 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 140 | Date of Summary: 23-JUL-1991 | First Sample Examined: 0 |
| Lease Number: G05682 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11868 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 11500 |
| API Well Number: 177204012300 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 115 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 303 |
| Public Info Code: Y 23-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

MD / TVD
 10863 / 10546

Paleo Top Description
 DEF IN Lower Pliocene (Zanclian) Buliminella 1

Ecozone
 DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 140 | Date of Summary: 18-JUL-1991 | First Sample Examined: 0 |
| Lease Number: G05682 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 18556 |
| Well Name: A003 | Paleo Done By: OPERATOR | Borehole TVD: 18212 |
| API Well Number: 177204012500 | Drilling Operator: BP AMERICA PRODUCTION COMPANY | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 303 |
| Public Info Code: Y 23-OCT-1997 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 11233 / 11229 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 14874 / 14803 | DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 17-JAN-1986 | First Sample Examined: 1500 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17723 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15799 |
| API Well Number: 177204010600 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 68 |
| Paleo Report Num: 1 of 5 | Sample Range: 1500 - 13600 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 1500 / 1500 | DEF AT first sample examined | DEF AT 3 |
| 2790 / 2790 | DEF AT - - - - - | DEF AT 5 |
| 4650 / 4650 | DEF AT local marker foram increase | DEF AT 5 |
| 5430 / 5430 | DEF AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF AT 5 |
| 6029 / 6029 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 5 |
| 6030 / 6030 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 7380 / 7366 | DEF AT - - - - - | DEF AT 4 |
| 8100 / 8086 | DEF AT - - - - - | DEF AT 5 |
| 8130 / 8116 | DEF AT glauconite | DEF AT 5 |
| 8760 / 8744 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 9360 / 9322 | DEF AT - - - - - | DEF AT 3 |
| 10740 / 10512 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 4 |
| 11130 / 10823 | DEF AT local marker foram increase | DEF AT 4 |
| 11700 / 11271 | DEF AT - - - - - | DEF AT 5 |
| 12600 / 11945 | DEF AT - - - - - | DEF AT 4 |
| 12900 / 12158 | DEF AT - - - - - | DEF AT 5 |
| 13350 / 12479 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 13560 / 12640 | DEF AT - - - - - | DEF AT 4 |
| 13600 / 12672 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 143 | Date of Summary: 10-MAR-1986 | First Sample Examined: 10177 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17723 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15799 |
| API Well Number: 177204010600 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 68 |
| Paleo Report Num: 2 of 5 | Sample Range: 10177 - 17320 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark: Sidetrack 1 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 10177 / 10050 | DEF AT first sample examined | POS AT 4 |
| 10178 / 10051 | DEF AT cement | POS AT 4 |
| 10750 / 10520 | DEF AT - - - - - | DEF AT 4 |
| 11170 / 10855 | POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum | DEF AT 4 |
| 12730 / 12038 | DEF AT - - - - - | DEF AT 5 |
| 13420 / 12532 | POS AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 5 |
| 13539 / 12624 | DEF AT - - - - - | DEF AT 4 |
| 16210 / 14657 | DEF AT - - - - - | DEF AT 6 |
| 16300 / 14725 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 17320 / 15477 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 21-APR-1986 | First Sample Examined: 4500 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17723 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 15799 |
| API Well Number: 177204010600 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 68 |
| Paleo Report Num: 3 of 5 | Sample Range: 4500 - 13590 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4500 / 4500 | DEF AT first sample examined | DEF AT |
| 4501 / 4501 | POS AT Upper Pleistocene (Ionian) Emiliana huxleyi (base of acme) | DEF AT |
| 4860 / 4860 | DEF AT Upper Pleistocene (Ionian) Emiliana huxleyi (base of acme) | DEF AT |
| 6210 / 6209 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 7350 / 7336 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 8490 / 8476 | DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 9750 / 9680 | POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 13590 / 12664 | DEF AT last sample examined | DEF AT |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 143 | Date of Summary: 21-APR-1986 | First Sample Examined: 10177 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17723 |
| Well Name: 002 | Paleo Done By: OPERATOR | Borehole TVD: 15799 |
| API Well Number: 177204010600 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 68 |
| Paleo Report Num: 4 of 5 | Sample Range: 10177 - 14260 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 005 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10177 / 10050 | DEF AT first sample examined | DEF AT |
| 11230 / 10902 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 14260 / 13196 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 143 | Date of Summary: 18-JUN-1986 | First Sample Examined: 13320 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17723 |
| Well Name: 002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15799 |
| API Well Number: 177204010600 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 68 |
| Paleo Report Num: 5 of 5 | Sample Range: 13320 - 17700 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 006 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13320 / 12457 | DEF AT first sample examined | DEF AT 5 |
| 13410 / 12524 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 13620 / 12688 | DEF AT - - - - - | DEF AT 4 |
| 16230 / 14672 | DEF AT - - - - - | DEF AT 6 |
| 16290 / 14718 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 16470 / 14851 | DEF AT drilling material | DEF AT 6 |
| 17700 / 15770 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 11-APR-1988 | First Sample Examined: 4560 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 19867 |
| Well Name: 004 | Paleo Done By: OPERATOR | Borehole TVD: 18199 |
| API Well Number: 177204011800 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 74 |
| Paleo Report Num: 1 of 2 | Sample Range: 4560 - 18510 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4560 / 4415 | DEF AT first sample examined | DEF AT |
| 4561 / 4416 | POS AT Upper Pleistocene (Ionian) Pontosphaera indoceanica | DEF AT |
| 5850 / 5584 | POS AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood) | DEF AT |
| 8040 / 7586 | POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 9270 / 8691 | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 14070 / 12997 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 15030 / 13850 | DEF AT unconformity | DEF AT |
| 15150 / 13957 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 18510 / 16952 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 22-APR-1988 | First Sample Examined: 4560 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 19867 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 18199 |
| API Well Number: 177204011800 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 74 |
| Paleo Report Num: 2 of 2 | Sample Range: 4560 - 18510 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 4560 / 4415 | DEF AT first sample examined | DEF AT 4 |
| 5220 / 5013 | DEF AT ----- | DEF AT 5 |
| 5820 / 5557 | DEF AT ----- | DEF AT 4 |
| 6120 / 5829 | DEF AT ----- | DEF AT 5 |
| 6150 / 5857 | DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 5 |
| 6660 / 6323 | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B" | DEF AT 5 |
| 8220 / 7750 | DEF AT ----- | DEF AT 3 |
| 9270 / 8691 | DEF AT ----- | DEF AT 5 |
| 10230 / 9551 | DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P" | DEF AT 5 |
| 10560 / 9845 | DEF AT ----- | DEF AT 4 |
| 11550 / 10736 | DEF AT ----- | DEF AT 5 |
| 12000 / 11143 | DEF AT faunal change (no faunal increase) | DEF AT 3 |
| 12570 / 11656 | POS AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 4 |
| 13020 / 12056 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 4 |
| 13410 / 12404 | DEF AT ----- | DEF AT 3 |
| 15090 / 13903 | DEF AT ----- | DEF AT 4 |
| 15150 / 13957 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 15450 / 14222 | DEF AT ----- | DEF AT 3 |
| 15960 / 14673 | DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 16920 / 15525 | DEF AT ----- | DEF AT 5 |
| 17100 / 15686 | DEF AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 6 |
| 17250 / 15821 | DEF AT ----- | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|--|--|------------------------------------|
| Area Block: WD 143 | Date of Summary: 22-APR-1988 | First Sample Examined: 4560 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 19867 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 18199 |
| API Well Number: 177204011800 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 74 |
| Paleo Report Num: 2 of 2 | Sample Range: 4560 - 18510 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 18510 / 16952 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 143 | Date of Summary: 24-MAR-1988 | First Sample Examined: 17860 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 18843 |
| Well Name: 004 | Paleo Done By: PALEO-DATA, INC. | Borehole TVD: 17741 |
| API Well Number: 177204011801 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 1 of 3 | Sample Range: 17860 - 19867 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 17860 / 16759 | DEF AT first sample examined | DEF AT |
| 17861 / 16760 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 19867 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 143 | Date of Summary: 22-APR-1988 | First Sample Examined: 16000 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 18843 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 17741 |
| API Well Number: 177204011801 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 2 of 3 | Sample Range: 16000 - 19970 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack 1 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 16000 / 14900 | DEF AT first sample examined | DEF AT 5 |
| 16360 / 15260 | DEF AT ----- | DEF AT 4 |
| 17050 / 15950 | DEF AT ----- | DEF AT 6 |
| 17080 / 15980 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 6 |
| 17230 / 16129 | DEF AT ----- | DEF AT 5 |
| 18190 / 17088 | DEF AT ----- | DEF AT 4 |
| 18460 / 17358 | DEF AT ----- | DEF AT 5 |
| 19540 / | DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 6 |
| 19790 / | DEF AT ----- | DEF AT 5 |
| 19940 / | DEF AT last sample examined | DEF AT 5 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 143 | Date of Summary: 28-APR-1988 | First Sample Examined: 13740 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 18843 |
| Well Name: 004 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 17741 |
| API Well Number: 177204011801 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 72 |
| Paleo Report Num: 3 of 3 | Sample Range: 13740 - 18840 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark: Sidetrack 2 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 13740 / 12700 | DEF AT first sample examined | DEF AT 3 |
| 14910 / 13814 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 15180 / 14081 | DEF AT - - - - - | DEF AT 3 |
| 15660 / 14560 | DEF AT - - - - - | DEF AT 4 |
| 15720 / 14620 | DEF AT Cyclammina cancellata (local marker) | DEF AT 4 |
| 16440 / 15340 | DEF AT - - - - - | DEF AT 6 |
| 16530 / 15430 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 4 |
| 16740 / 15640 | DEF AT - - - - - | DEF AT 4 |
| 18539 / 17437 | DEF AT Bathysiphon fauna | DEF AT 5 |
| 18540 / 17438 | POS AT Upper Miocene (Messinian) Textularia tatumi | DEF AT 5 |
| 18750 / 17648 | DEF AT - - - - - | DEF AT 6 |
| 18810 / 17708 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 23-OCT-1985 | First Sample Examined: 1550 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17865 |
| Well Name: A001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 17032 |
| API Well Number: 177204010300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 69 |
| Paleo Report Num: 1 of 5 | Sample Range: 1550 - 13568 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|----------|
| 1550 / 1550 | DEF AT first sample examined | DEF AT 3 |
| 2660 / 2660 | DEF AT sample gap top | POS AT 3 |
| 3019 / 3019 | DEF AT sample gap bottom | DEF IN 5 |
| 3020 / 3020 | POS AT local marker foram increase | DEF IN 5 |
| 4050 / 4050 | DEF AT - - - - - | DEF AT 6 |
| 5370 / 5370 | POS AT Lower Pleistocene (Calabrian) Angulogerina magna | DEF IN 5 |
| 5970 / 5969 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 5 |
| 7370 / 7368 | DEF AT - - - - - | DEF AT 4 |
| 8100 / 8092 | DEF AT - - - - - | DEF AT 5 |
| 8160 / 8150 | DEF AT glauconite | DEF AT 5 |
| 8819 / 8779 | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 5 |
| 8820 / 8780 | DEF AT Upper Pliocene (Gelasian) Lenticulina 1 | DEF AT 5 |
| 11430 / 11127 | DEF AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 4 |
| 11820 / 11483 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF IN 4 |
| 12330 / 11949 | DEF AT - - - - - | DEF AT 5 |
| 13020 / 12580 | DEF AT - - - - - | DEF AT 4 |
| 13568 / 13080 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 23-OCT-1985 | First Sample Examined: 8405 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17865 |
| Well Name: A001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 17032 |
| API Well Number: 177204010300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 69 |
| Paleo Report Num: 2 of 5 | Sample Range: 8405 - 17100 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 004 |

Remark: Sidetrack 1 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 8405 / 8388 | DEF AT first sample examined | DEF AT |
| 8406 / 8389 | DEF AT cement | DEF AT |
| 8970 / 8918 | DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L" | DEF AT 5 |
| 9210 / 9137 | DEF AT ----- | DEF AT 3 |
| 11210 / 10927 | DEF AT ----- | DEF AT 5 |
| 11250 / 10964 | DEF AT Upper Pliocene (Piacenzian) Cyclamina sp. | DEF AT 5 |
| 11670 / 11345 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 5 |
| 11850 / 11510 | DEF AT ----- | DEF AT 4 |
| 13680 / 13183 | DEF AT ----- | DEF AT 3 |
| 14070 / 13543 | DEF AT ----- | DEF AT 4 |
| 14279 / 13738 | DEF AT Upper Pliocene (Piacenzian) Textularia 1 | DEF AT 5 |
| 14280 / 13739 | DEF AT Eggerella sp. (local marker) | DEF AT 5 |
| 14640 / 14072 | DEF AT ----- | DEF AT 4 |
| 15330 / 14715 | DEF AT ----- | DEF AT 5 |
| 15479 / 14856 | POS AT unconformity | DEF AT 6 |
| 15480 / 14856 | DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 6 |
| 15720 / 15080 | DEF AT ----- | DEF AT 5 |
| 16320 / 15636 | DEF AT ----- | DEF AT 4 |
| 17100 / 16346 | DEF AT last sample examined | DEF AT 4 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 143 | Date of Summary: 23-OCT-1985 | First Sample Examined: 15400 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17865 |
| Well Name: A001 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 17032 |
| API Well Number: 177204010300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 69 |
| Paleo Report Num: 3 of 5 | Sample Range: 15400 - 17865 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 006 |

Remark: Sidetrack 2 report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 15400 / 14781 | DEF AT first sample examined | DEF AT 5 |
| 15401 / 14782 | DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J" | DEF AT 5 |
| 15490 / 14866 | DEF AT - - - - - | DEF AT 4 |
| 17099 / 16345 | POS AT gouge | DEF AT 6 |
| 17100 / 16346 | POS IN Upper Miocene (Tortonian) Bolivina thalmani | DEF AT 6 |
| 17101 / 16347 | DEF AT Bathysiphon fauna | DEF AT 6 |
| 17369 / 16580 | POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata | DEF AT 7 |
| 17370 / 16581 | DEF AT gouge | DEF AT 7 |
| 17519 / 16711 | DEF AT gypsum | DEF AT 7 |
| 17520 / 16712 | DEF AT salt | DEF AT 7 |
| 17865 / 17032 | DEF AT last sample examined | DEF AT 7 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 10-MAR-1986 | First Sample Examined: 1550 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17865 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 17032 |
| API Well Number: 177204010300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 69 |
| Paleo Report Num: 4 of 5 | Sample Range: 1550 - 13560 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 1550 / 1550 | DEF AT first sample examined | DEF AT |
| 1551 / 1551 | DEF IN Upper Pleistocene (Ionian) Emiliana huxleyi (base of acme) | DEF AT |
| 4590 / 4590 | DEF AT unconformity | DEF AT |
| 4620 / 4620 | POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 7110 / 7108 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 9120 / 9055 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 10980 / 10719 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 11730 / 11400 | DEF AT Upper Pliocene (Gelasian) Discoaster surculus | DEF AT |
| 11740 / 11409 | DEF AT unconformity | DEF AT |
| 11760 / 11428 | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 13560 / 13073 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 10-MAR-1986 | First Sample Examined: 8400 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17865 |
| Well Name: A001 | Paleo Done By: OPERATOR | Borehole TVD: 17032 |
| API Well Number: 177204010300 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 69 |
| Paleo Report Num: 5 of 5 | Sample Range: 8400 - 17820 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 005 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|---------|
| 8400 / 8384 | DEF AT first sample examined | DEF AT |
| 8401 / 8385 | POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B" | DEF AT |
| 9150 / 9082 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 10500 / 10291 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 11490 / 11181 | DEF AT unconformity | DEF AT |
| 11520 / 11209 | DEF IN Lower Pliocene (Zanclian) Sphenolithus abies | DEF AT |
| 17430 / 16633 | DEF AT unconformity | DEF AT |
| 17460 / 16659 | DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus | DEF AT |
| 17820 / 16990 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 06-OCT-1986 | First Sample Examined: 4460 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 16101 |
| Well Name: A002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15701 |
| API Well Number: 177204010900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 2 | Sample Range: 4460 - 16070 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 4460 / 4433 | DEF AT first sample examined | DEF AT 5 |
| 5660 / 5578 | DEF AT local marker foram increase | DEF AT 5 |
| 6229 / 6118 | DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa | DEF AT 5 |
| 6230 / 6119 | DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B" | DEF AT 5 |
| 7850 / 7651 | DEF AT - - - - - | DEF AT 3 |
| 8420 / 8192 | DEF AT local marker foram increase | DEF AT 4 |
| 8690 / 8449 | POS AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 4 |
| 9530 / 9252 | POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira | DEF AT 4 |
| 10760 / 10429 | DEF AT - - - - - | DEF AT 3 |
| 11540 / 11177 | POS AT Upper Pliocene (Piacenzian) Cyclammina sp. | DEF AT 4 |
| 11900 / 11526 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 4 |
| 12140 / 11760 | DEF AT sample gap top | POS AT 4 |
| 12170 / 11789 | DEF AT sample gap bottom | DEF AT 3 |
| 13310 / 12913 | DEF AT cement | DEF AT 4 |
| 13400 / 13002 | DEF AT - - - - - | DEF AT 3 |
| 14030 / 13631 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 14210 / 13811 | DEF AT - - - - - | DEF AT 3 |
| 14840 / 14440 | DEF AT - - - - - | DEF AT 5 |
| 14900 / 14500 | DEF AT - - - - - | DEF AT 6 |
| 14989 / 14589 | DEF AT Bathysiphon fauna | DEF AT 6 |
| 14990 / 14590 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 15110 / 14710 | DEF AT - - - - - | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 06-OCT-1986 | First Sample Examined: 4460 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 16101 |
| Well Name: A002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15701 |
| API Well Number: 177204010900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 2 | Sample Range: 4460 - 16070 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 15860 / 15460 | DEF AT gypsum | DEF AT 6 |
| 16070 / 15670 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 03-NOV-1986 | First Sample Examined: 4470 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 16101 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 15701 |
| API Well Number: 177204010900 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 2 of 2 | Sample Range: 4470 - 16070 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|---|---------|
| 4470 / 4442 | DEF AT first sample examined | DEF AT |
| 4471 / 4443 | POS IN Upper Pleistocene (Ionian) Pontosphaera indoceanica | DEF AT |
| 5540 / 5463 | POS AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood) | DEF AT |
| 7340 / 7169 | DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood) | DEF AT |
| 7790 / 7594 | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A" | DEF AT |
| 8840 / 8592 | POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii | DEF AT |
| 11570 / 11206 | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus | DEF AT |
| 11750 / 11380 | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis | DEF AT |
| 14870 / 14470 | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica | DEF AT |
| 15290 / 14890 | DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 16010 / 15610 | POS AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 16070 / 15670 | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 143 | Date of Summary: 03-DEC-1986 | First Sample Examined: 13410 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 16350 |
| Well Name: A002 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15761 |
| API Well Number: 177204010901 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 1 of 2 | Sample Range: 13410 - 17250 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|--|----------------|
| 13410 / 13012 | DEF AT first sample examined | POS AT 4 |
| 13411 / 13013 | DEF AT cement | POS AT 4 |
| 13830 / 13427 | DEF AT - - - - - | DEF AT 4 |
| 14100 / 13687 | POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 4 |
| 15090 / 14594 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 6 |
| 15210 / 14704 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 6 |
| 15300 / 14787 | DEF AT - - - - - | DEF AT 5 |
| 16860 / | DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 17070 / | DEF AT gypsum | DEF AT 6 |
| 17250 / | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 143 | Date of Summary: 04-MAR-1987 | First Sample Examined: 13410 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 16350 |
| Well Name: A002 | Paleo Done By: OPERATOR | Borehole TVD: 15761 |
| API Well Number: 177204010901 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 70 |
| Paleo Report Num: 2 of 2 | Sample Range: 13410 - 17250 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

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

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13410 / 13012 | DEF AT first sample examined | DEF AT |
| 13411 / 13013 | DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus | DEF AT |
| 16530 / | DEF AT Upper Miocene (Messinian) Discoaster quinqueramus | DEF AT |
| 17250 / | DEF AT last sample examined | DEF AT |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|-----------------------------|
| Area Block: WD 143 | Date of Summary: 23-APR-1991 | First Sample Examined: 9100 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 16318 |
| Well Name: A003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 15482 |
| API Well Number: 177204012700 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 1 | Sample Range: 9100 - 14260 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Original hole report

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 9100 / 9092 | DEF AT first sample examined | DEF AT 4 |
| 11500 / 11181 | DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna | DEF AT 5 |
| 11830 / 11466 | DEF AT - - - - | DEF AT 4 |
| 14260 / 13600 | DEF AT last sample examined | DEF AT 4 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 143 | Date of Summary: 23-APR-1991 | First Sample Examined: 13170 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17565 |
| Well Name: A003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 16363 |
| API Well Number: 177204012701 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 114 |
| Paleo Report Num: 1 of 2 | Sample Range: 13170 - 16300 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 002 |

Remark: Sidetrack 1 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 13170 / 12630 | DEF AT first sample examined | POS AT 4 |
| 13171 / 12631 | DEF AT cement | POS AT 4 |
| 13420 / 12843 | DEF AT - - - - - | DEF AT 4 |
| 14020 / 13339 | DEF AT drilling material | DEF AT 4 |
| 15460 / 14540 | DEF AT - - - - - | DEF AT 5 |
| 15549 / 14616 | DEF AT Bathysiphon fauna | DEF AT 5 |
| 15550 / 14616 | DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 15640 / 14693 | DEF AT - - - - - | DEF AT 4 |
| 15790 / 14822 | DEF AT - - - - - | DEF AT 5 |
| 15820 / 14847 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 5 |
| 16210 / 15185 | DEF AT domal material | DEF AT 6 |
| 16300 / 15263 | DEF AT last sample examined | DEF AT 6 |

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|------------------------------|
| Area Block: WD 143 | Date of Summary: 23-APR-1991 | First Sample Examined: 13150 |
| Lease Number: G04475 | Source of Paleo: OPERATOR | Borehole MD: 17565 |
| Well Name: A003 | Paleo Done By: CROSBIE-MACOMBER | Borehole TVD: 16363 |
| API Well Number: 177204012701 | Drilling Operator: MARATHON PETROLEUM COMPANY | Rkb Elevation: 114 |
| Paleo Report Num: 2 of 2 | Sample Range: 13150 - 17565 | Water Depth: 369 |
| Public Info Code: Y 09-APR-1994 | Ecozone Eq MMS: | Paleo ID: 003 |

Remark: Sidetrack 2 report

| MD / TVD | Paleo Top Description | Ecozone |
|---------------|--|----------|
| 13150 / 12612 | DEF AT first sample examined | DEF AT 4 |
| 13151 / 12613 | DEF AT cement | DEF AT 4 |
| 14500 / 13738 | DEF AT - - - - - | DEF AT 5 |
| 14890 / 14062 | DEF AT poor sample interval top | DEF AT 4 |
| 15729 / 14769 | DEF AT poor sample interval bottom | DEF AT 4 |
| 15730 / 14770 | DEF AT - - - - - | DEF AT 5 |
| 15848 / 14872 | POS AT unconformity | DEF AT 5 |
| 15849 / 14872 | DEF AT Bathysiphon fauna | DEF AT 5 |
| 15850 / 14873 | DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme) | DEF AT 5 |
| 15851 / 14874 | POS AT Lower Pliocene (Zanclian) Globigerina nepenthes | DEF AT 5 |
| 16209 / 15184 | POS AT Lower Pliocene (Zanclian) Uvigerina rustica | DEF AT 5 |
| 16210 / 15185 | DEF IN Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 5 |
| 16390 / 15341 | DEF AT - - - - - | DEF AT 4 |
| 16780 / 15680 | DEF AT - - - - - | DEF AT 5 |
| 17500 / 16307 | DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left) | DEF AT 5 |
| 17530 / 16333 | DEF AT last sample examined | DEF AT 5 |

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

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-1994

End Date: 31-DEC-1999

| | | |
|---------------------------------|---|--------------------------|
| Area Block: WD 144 | Date of Summary: 18-MAY-1995 | First Sample Examined: 0 |
| Lease Number: G12073 | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 16067 |
| Well Name: 001 | Paleo Done By: OPERATOR | Borehole TVD: 16057 |
| API Well Number: 177204013800 | Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY | Rkb Elevation: 89 |
| Paleo Report Num: 1 of 1 | Sample Range: 0 - 0 | Water Depth: 387 |
| Public Info Code: Y 20-NOV-1995 | Ecozone Eq MMS: | Paleo ID: 001 |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13250 / 13245 | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT |
| 14470 / 14463 | DEF AT Upper Miocene (Messinian) Textularia "X" | DEF AT |
| 14740 / 14733 | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus | DEF AT |
| 15740 / 15731 | DEF AT salt | DEF AT |