Minerals Management Service

## **Supplemental APD Information Sheet (Casing Design)**

1) Operator Name:   2) Well Name (Proposed):   ST:   BP:										
STAPP Number:	1) Operator	Name:			2) Well Name (Proposed):			ST:	BP:	
7] H.S.	3) Bottom Hole Lease:				4) Surface Lease:					
11) Water Depth (ft):		nber:			6)Type of Well: ☐ Exploratory ☐ Development					
11)   Water Depth (ft):	7) H <sub>2</sub> S: [	Absent	Known	Unknown						
11)   Water Depth (ft):	9) Rig Nam	e:			10) SubSea				lo	
14) Drive Pipe Size (in):					. /					
Number   Size (in)   Weight (ppg)   Size (in)   Weight (psi)   Size (in)   Weight (psi)   Size (in)   Type   Annular Test (psi)   Size (in)   Type   Annular Test (psi)   Size (in)   Size (in)   Size (in)   Type   Annular Test (psi)   Size (in)			١٠						□No	
Name:   Section   Casing   Casing   Grade   Rating   Casing   Rating   Rating   Rating   MD   MD   Pressure   (psi)   MD   TVD   MD   TVD   MD   TVD   MD   MD   MD   MD   MD   MD   MD	11) 211001	1po 0120 (111)	, .							
Section   Casing   Weight (#/ft)   Weight (psi)   Size (in)   Weight (psi)   Size (in)										
Number   Size (in)							, , , , , , , , , , , , , , , , , , , ,			
Hole Size (in) Type Annular Test (psi)  Mud Weight (ppg) Size (in) BOP/Diverter Test (psi)  Mud Type Code Wellhead Rating (psi) Mud Test Weight (ppg)  Frac Gradient (ppg) Annular Rating (psi) Casing/Liner Test (psi)  Liner Top Depth (ft) BOP/Diverter Rating (psi) Formation Test (ppg)  Interval Number: Type: Name:  Section Casing Casing Casing Grade Rating (psi) Robertor Test (psi)  Mumber Size (in) Type Annular Test (psi)  Mud Weight (ppg) Size (in) BOP/Diverter Rating (psi) Pressure (psi)  Mud Weight (ppg) Size (in) BOP/Diverter Test (psi)  Mud Weight (ppg) Size (in) BOP/Diverter Test (psi)  Mud Type Code Wellhead Rating (psi) Casing/Liner Test (psi)  Liner Top Depth (ft) BOP/Diverter Rating (psi) Formation Test (ppg)  Interval Number: Type: Name:  Section Casing Size Casing Rating Rating Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Annular Rating (psi) Formation Test (ppg)  Interval Number: Type: Name:  Section Casing Size Casing Rating Rating Rating (psi) Formation Test (ppg)  GENERAL INFORMATION PREVENTER INFORMATION  Frac Gradient (ppg) Size (in) BOP/Diverter Rating (psi) Formation Test (ppg)  Mud Test Weight (ppg) Fore Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Size (in) BOP/Diverter Test (psi) BOP/Diverter Test (psi)  Mud Type Code Wellhead Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Size (in) BOP/Diverter Test (psi) BOP/Diverter Test (psi)  Mud Type Code Wellhead Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Size (in) BOP/Diverter Test (psi)  Mud Type Code Wellhead Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Annular Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Annular Rating (psi) Formation Test (ppg)		0	Weight	_	Rating		·	MD	Pressure	
Hole Size (in) Type Annular Test (psi)  Mud Weight (ppg) Size (in) BOP/Diverter Test (psi)  Mud Type Code Wellhead Rating (psi) Mud Test Weight (ppg)  Frac Gradient (ppg) Annular Rating (psi) Casing/Liner Test (psi)  Liner Top Depth (ft) BOP/Diverter Rating (psi) Formation Test (ppg)  Interval Number: Type: Name:  Section Casing Casing Casing Grade Rating (psi) Robertor Test (psi)  Mumber Size (in) Type Annular Test (psi)  Mud Weight (ppg) Size (in) BOP/Diverter Rating (psi) Pressure (psi)  Mud Weight (ppg) Size (in) BOP/Diverter Test (psi)  Mud Weight (ppg) Size (in) BOP/Diverter Test (psi)  Mud Type Code Wellhead Rating (psi) Casing/Liner Test (psi)  Liner Top Depth (ft) BOP/Diverter Rating (psi) Formation Test (ppg)  Interval Number: Type: Name:  Section Casing Size Casing Rating Rating Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Annular Rating (psi) Formation Test (ppg)  Interval Number: Type: Name:  Section Casing Size Casing Rating Rating Rating (psi) Formation Test (ppg)  GENERAL INFORMATION PREVENTER INFORMATION  Frac Gradient (ppg) Size (in) BOP/Diverter Rating (psi) Formation Test (ppg)  Mud Test Weight (ppg) Fore Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Size (in) BOP/Diverter Test (psi) BOP/Diverter Test (psi)  Mud Type Code Wellhead Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Size (in) BOP/Diverter Test (psi) BOP/Diverter Test (psi)  Mud Type Code Wellhead Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Size (in) BOP/Diverter Test (psi)  Mud Type Code Wellhead Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Annular Rating (psi) Formation Test (ppg)  Frac Gradient (ppg) Annular Rating (psi) Formation Test (ppg)										
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Mud Type Code Wellhead Rating (psi) Mud Test Weight (ppg) Frac Gradient (ppg) Annular Rating (psi) Depth (ft) Cement Volume (ft³)  Interval Number: Section Casing Size (in) Weight (#/ft)  GENERAL INFORMATION Hole Size (in)  Interval Number: Type: Name:  Casing Casing Weight (psi) Grade Rating (psi) Mud Test Weight (psi) Mud Test (psi)  Formation Test (psi)  Formation Test (psi)  Formation Test (psi)  Mud Test Number: Type: Name:  Section Casing Size (asing (psi) BoP/Diverter Rating (psi) Mud Test Number: Type: Name:  Section Casing Size (psi) Mud Test (ps	Hole Size (	in)		Туре			Annular Test (psi)			
Annular Rating (psi)   Casing/Liner Test (psi)	Mud Weigh	t (ppg)		Size (in)			BOP/Diverter Test (psi)			
Liner Top Depth (ft) Cement Volume (ft³)  Interval Number: Section Number: Section Number: Section Number: Section Number: Size (in) Siz	Mud Type (	Code		Wellhead Rating (psi)			Mud Test Weight (ppg)			
Liner Top Depth (ft) Cement Volume (ft³)  Interval Number: Section Number: Section Number: Section Number: Section Number: Size (in) Siz							_ ;; _;			
Interval Number: Type: Name:   Section   Casing   Size (in)   Weight (#/ft)   Fore   Pressure (psi)   Multanta   Practical (psi)   Multanta   Practical (psi)   Practical (p				- : :			- ' '			
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Number   Size (in)   Weight (#/ft)   Grade (psi)   Rating (psi)   MD   Pressure (psi)										
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Hole Size (in)			, ,		., ,					
Hole Size (in)										
Hole Size (in)										
Mud Weight (ppg)  Mud Type Code  Wellhead Rating (psi)  Annular Rating (psi)  Erac Gradient (ppg)  Annular Rating (psi)  Mud Test Weight (ppg)  Annular Rating (psi)  Casing/Liner Test (psi)  Formation Test (ppg)  Cement Volume (ft³)  Interval Number:  Section Number  (in)  Weight (#/ft)  Grade  Grade  Rating (psi)  Collapse  Rating (psi)  Collapse  Rating (psi)  Mud Type  Rating (psi)  Fore  Rating (psi)  Mud Type  Grade  Rating (psi)  Fore  Rating (psi)  Fore  Rating (psi)  Mud Type  Grade  Grade  Rating (psi)  Fore  Rating (psi)  Mud Type  Grade  Annular Test (psi)  Mud Weight (ppg)  Size (in)  Mud Type Code  Wellhead Rating (psi)  Mud Test Weight (ppg)  Frac Gradient (ppg)  Annular Rating (psi)  Formation Test (psi)  Casing/Liner Test (psi)  Formation Test (ppg)	GENERAL INFORMATION PR			PREVENTE	PREVENTER INFORMATION			TEST INFORMATION		
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Liner Top Depth (ft)       BOP/Diverter Rating (psi)       Formation Test (ppg)         Cement Volume (ft³)         Interval Number:       Type:       Name:         Section Number       Casing Size (in)       Casing Grade (psi)       Burst Rating (psi)       Collapse Rating (psi)       Depth (ft) Pore Pressure (psi)         Number       (in)       Weight (#/ft)       Grade Rating (psi)       TVD       Pressure (psi)         Number       (in)       PREVENTER INFORMATION       TEST INFORMATION         GENERAL INFORMATION       PREVENTER INFORMATION       TEST INFORMATION         Hole Size (in)       Type       Annular Test (psi)         Mud Weight (ppg)       Size (in)       BOP/Diverter Test (psi)         Mud Type Code       Wellhead Rating (psi)       Mud Test Weight (ppg)         Frac Gradient (ppg)       Annular Rating (psi)       Casing/Liner Test (psi)         Liner Top Depth (ft)       BOP/Diverter Rating (psi)       Formation Test (ppg)				<u> </u>			- · · · · · · · · · · · · · · · · · · ·			
Cement Volume (ft³)										
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Hole Size (in)  Mud Weight (ppg)  Size (in)  Mud Type Code  Wellhead Rating (psi)  Frac Gradient (ppg)  Annular Rating (psi)  BOP/Diverter Test (psi)  Mud Test Weight (ppg)  Casing/Liner Test (psi)  Liner Top Depth (ft)  BOP/Diverter Rating (psi)  Formation Test (ppg)				ļ						
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Hole Size (in)  Mud Weight (ppg)  Size (in)  Mud Type Code  Wellhead Rating (psi)  Frac Gradient (ppg)  Annular Rating (psi)  BOP/Diverter Test (psi)  Mud Test Weight (ppg)  Casing/Liner Test (psi)  Liner Top Depth (ft)  BOP/Diverter Rating (psi)  Formation Test (ppg)										
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Liner Top Depth (ft) BOP/Diverter Rating (psi) Formation Test (ppg)	Frac Gradient (ppg)			Annular Rating (psi)			Casing/Liner Test (psi)			
	Liner Top Depth (ft)						. ,			
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PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et. seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. MMS uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operation. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.196. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for this form, MMS-123S, is estimated to average between 1-3 hours per response, depending on whether it is a paper submittal or electronic submittal. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 4230, Minerals Management Service, 1849 C Street, NW, Washington, DC 20240.

<sup>\*</sup> NOTE\* For additional casing/liner intervals, please submit an additional Form MMS-123S.