

Supplemental APD Information Sheet (Casing Design)

1) Operator Name: Walter Oil & Gas Corporation	2) Well Name (Proposed): 001	ST: 00	BP: 00
3) Bottom Hole Lease: OCS-G 31366	4) Surface Lease: OCS-G 31366		
5) API Number: 177094150900	6) Type of Well: <input checked="" type="checkbox"/> Exploratory <input type="checkbox"/> Development		
7) H2S: <input checked="" type="checkbox"/> Absent <input type="checkbox"/> Known <input type="checkbox"/> Unknown	8) H ₂ S Activation Plan Depth (TVD) (ft): N/A		
9) Rig Name: Ocean Columbia	10) Subset BOP: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
11) Water Depth (ft): 19'	12) RKB Height (ft): 111'	13) Mineral Code: Hydrocarbon	
14) Drive Pipe Size (in): 30" x 1"	15) Drive Pipe Depth (ft): 427' MD	16) Anchors: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

17) Well Design Information

Actual Interval Number: 1				Type: Casing		Name: Conductor		
Section Number	Casing Size	Casing Weight (#/ft)	Casing Grade	Burst Rating (psi)	Collapse Rating (psi)	Depth (ft) MD	Depth (ft) TVD	Pore Pressure (psi)
1	20.00	94.0	J-55	2110	520	1000' MD	1000' TVD	8.5

GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION		
Hole Size (in)	26.00	Type	DIV	Annular Test (psi)	0			
Mud Weight (ppg)	9.0	Size (in)	29.5	BOP/Diverter (psi)	250			
Mud Type Code	WBM	Wellhead Rating (psi)	3000	Mud Test Weight (ppg)	9.0			
Frac Gradient (ppg)	11.8	Annular Rating (psi)	0	Casing/Liner Test (psi)	250			
Liner Top Depth (ft)	0	BOP/Diverter Rating (psi)	500	Formation (ppg)	0			
Cement Volume (ft3)	3276							

Actual Interval Number: 2				Type: Casing		Name: Surface		
Section Number	Casing Size	Casing Weight (#/ft)	Casing Grade	Burst Rating (psi)	Collapse Rating (psi)	Depth (ft) MD	Depth (ft) TVD	Pore Pressure (psi)
1	16.00	84.0	N-80	4330	1480	4500' MD	4500' TVD	8.5

GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION		
Hole Size (in)	20.0	Type	BOP	Annular Test (psi)	3500			
Mud Weight (ppg)	9.5	Size (in)	16.75	BOP/Diverter (psi)	3500			
Mud Type Code	WBM	Wellhead Rating (psi)	5000	Mud Test Weight (ppg)	9.5			
Frac Gradient (ppg)	15.0	Annular Rating (psi)	5000	Casing/Liner Test (psi)	3000			
Liner Top Depth (ft)	0	BOP/Diverter Rating (psi)	5000	Formation (ppg)	14.5			
Cement Volume (ft3)	6138							

Actual Interval Number: 3				Type: Casing		Name: Intermediate		
Section Number	Casing Size	Casing Weight (#/ft)	Casing Grade	Burst Rating (psi)	Collapse Rating (psi)	Depth (ft) MD	Depth (ft) TVD	Pore Pressure (psi)
1	11.875	71.8	HCCQ-125	10720	7190	14,360' MD	14,360' TVD	11.5

GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION		
Hole Size (in)	14.75	Type	BOP	Annular Test (psi)	3500			
Mud Weight (ppg)	12.5	Size (in)	13.625	BOP/Diverter (psi)	8000			
Mud Type Code	OBM	Wellhead Rating (psi)	10,000	Mud Test Weight (ppg)	12.5			
Frac Gradient (ppg)	18.5	Annular Rating (psi)	5000	Casing/Liner Test (psi)	7500			
Liner Top Depth (ft)	0	BOP/Diverter Rating (psi)	10,000	Formation (ppg)	18.1			
Cement Volume (ft3)	4820							

Note For additional casing/liner intervals, please submit an additional Form MMS-123S

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 5438, Mineral Management Service, 1849 C Street, NW, Washington, DC 20240.

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17) Well Design Information

Interval Number: 4			Type: Liner			Name: Drilling		
Section Number	Casing Size	Casing Weight (#/ft)	Casing Grade	Burst Rating (psi)	Collapse Rating (psi)	Depth (ft) MD TVD	Pore Pressure (psi)	
1	9.625	53.5	HCP-110	10900	8850	15,916' MD	15.9	
						15,916' TVD		

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	12.25	Type	BOP	Annular Test (psi)	3500
Mud Weight (ppg)	16.4	Size (in)	13.625	BOP/Diverter (psi)	8000
Mud Type Code	OBM	Wellhead Rating (psi)	10,000	Mud Test Weight (ppg)	16.4
Frac Gradient (ppg)	19.0	Annular Rating (psi)	5000	Casing/Liner Test (psi)	3000
Liner Top Depth (ft)	14,160	BOP/Diverter Rating (psi)	10,000	Formation (ppg)	19.3
Cement Volume (ft3)	691				

Interval Number: 5			Type: Casing			Name: Production		
Section Number	Casing Size	Casing Weight (#/ft)	Casing Grade	Burst Rating (psi)	Collapse Rating (psi)	Depth (ft) MD TVD	Pore Pressure (psi)	
1	7.75	46.10	Q-125	16,790	16,580	17,841' MD	17.2	
						17,841' TVD		

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	8.50	Type	BOP	Annular Test (psi)	3500
Mud Weight (ppg)	18.3	Size (in)	13.625	BOP/Diverter (psi)	8000
Mud Type Code	OBM	Wellhead Rating (psi)	10,000	Mud Test Weight (ppg)	18.3
Frac Gradient (ppg)	19.5	Annular Rating (psi)	5000	Casing/Liner Test (psi)	3500
Liner Top Depth (ft)	15,716'	BOP/Diverter Rating (psi)	10,000	Formation (ppg)	19.5
Cement Volume (ft3)	205				

Interval Number: 6			Type: Liner			Name: Production		
Section Number	Casing Size	Casing Weight (#/ft)	Casing Grade	Burst Rating (psi)	Collapse Rating (psi)	Depth (ft) MD TVD	Pore Pressure (psi)	
1	5.50	23	Q-125	16,510	16,070	19,000' MD	17.6	
						19,000' TVD		

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	6.50	Type	BOP	Annular Test (psi)	3500
Mud Weight (ppg)	18.3	Size (in)	13.625	BOP/Diverter (psi)	8000
Mud Type Code	OBM	Wellhead Rating (psi)	10,000	Mud Test Weight (ppg)	18.3
Frac Gradient (ppg)	19.5	Annular Rating (psi)	5000	Casing/Liner Test (psi)	3500
Liner Top Depth (ft)	17,641	BOP/Diverter Rating (psi)	10,000	Formation (ppg)	0
Cement Volume (ft3)	112				

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