

Form MMS 123A/123S - Electronic Version
Application for Revised New Well

Lease G31366 **Area/Block** EI 51 **Well Name** 001 **ST** 00 **BP** 00 **Well Type** Exploration
Application Status Approved **Operator** 00730 Walter Oil & Gas Corporation

Correction Narrative 4th Operation Procedure Revision
Revise APD to set 7-3/4" Liner/Tie-Back at ±17,841' MD/TVD and add a 5-1/2" Liner to be set at TD at ±19,000' MD/TVD.
Revised Attachments:
PE Cert
Casing Calculations
Pore Pressure Graph
Barite Statement
Proposed Wellbore Schematic
Cement Calculations
MMS Form -123S
APD

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General Well Information

API Number 177094150900	Approval Date 01/05/2012	Approved By David LeLeux
Date of Request 01/04/2012	Req Spud Date 10/09/2011	Kickoff Point N/A
Water Depth (ft.) 19	Drive Size (in) 30	Mineral Code Hydrocarbon
RKB Elevation 111	Drive Depth (ft.) 427	Subsea BOP No
Verbal Approval Date		Verbal Approval By

Proposed Well Location

Surface Location

LEASE (OCS) G31366	Area/Block EI 51	Authority Federal Lease
Entered NAD 27 Data	Calculated NAD 27 Departures	Calculated NAD 27 X-Y Coordinates
Lat: 29.22279139	S 5020	X 1884196.707027
Lon: -91.69634833	W 4374	Y 202419.645268
Surface Plan S 7468	Plan Lease (OCS) G31366	Area/Block EI 51

Bottom Location

LEASE (OCS) G31366	Area/Block EI 51
Entered NAD 27 Data	Calculated NAD 27 Departures
Lat: 29.22279139	S 5020
Lon: -91.69634833	W 4374
Bottom Plan S 7468	Plan Lease (OCS) G31366

Approval Comments

All operations must be conducted in accordance with the OCS Lands Act (OCSLA), the lease terms and stipulations, the regulations of 30 CFR Part 250, Notices to Lessees and Operators (NTLs), the approved Revised Permit to Drill (RPD), and any written instructions or orders of the District Manager.

Subject to same conditions as original APD.

Mitigations:

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Geologic Information

H2S Designation Absent	H2S TVD
Anticipated Geologic Markers	
Name	Top MD
Tex W 4100ms Sand	17141

Rig Information

RIG SPECIFICATIONS		ANCHORS	No
Rig Name	DIAMOND OCEAN COLUMBIA	ID Number	28538
Type	JACKUP	Constucted Year	1978
Function	DRILLING	Refurbished Year	
Shipyard	LETOURNEAU		
RATED DEPTHS			
Water Depth	250	Drill Depth	20000
CERTIFICATES			
ABS/DNV	11/30/2013	Coast Guard	01/22/2012
SAFE WELDING AREA			
Approval Date	02/18/2010	District	3
Remarks			

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Number	Question	Response	Response Text
1	Will you maintain quantities of mud and mud material (including weight materials and additives) sufficient to raise the entire system mud weight 1/2	YES	
2	If hydrocarbon-based drilling fluids were used, is the drilling rig outfitted for zero discharge and will zero discharge procedures be followed?	YES	
3	If drilling the shallow casings strings riserless, will you maintain kill weight mud on the rig and monitor the wellbore with an ROV to ensure that it	N/A	
4	If requesting a waiver of the conductor casing, have you submitted a log to government agency G&G that is with in 500 feet of the proposed bottor	N/A	
5	Will the proposed operation be covered by an EPA Discharge Permit? (please provide permit number in comments for this question)	YES	GMG290129
6	Will all wells in the well bay and related production equipment be shut-in when moving on to or off of an offshore platform, or from well to we	N/A	
7	Is the calculated daily volume possible from an uncontrolled blowout of this well greater than the daily volume included in the worst case discharge	NO	

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Permit Attachments

File Type	File Description	Status
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Required Attachments

pdf	Drilling prognosis and summary of drilling, cementing, and mud processes	Attached
pdf	Directional Program	Attached
pdf	Proposed Well Location Plat	Attached
pdf	Engineering Calculation	Attached
pdf	BOP stack certification including statement regarding any modifications made since last certification	Attached
pdf	Proposed Wellbore Schematic	Attached
pdf	BOP & Diverter Schematics with Operating Procedures	Attached
pdf	Blind-shear ram capability and certification	Attached
pdf	Pore pressure (PP), Mud Weight (MW), and Fracture Gradient (FG) Plot	Attached

Optional/Supplemental Attachments

pdf	PE Cert	Attached
pdf	Cement Calcs	Attached
pdf	Form MMS-123S	Attached
pdf	Barite Statement	Attached

Contacts Information

Name	Randy Reese
Company	00730 Walter Oil & Gas Corporation
Phone Number	713-659-1222
E-mail Address	rrreese@walteroil.com
Contact Description	Engineer
Name	Judy Archer
Company	00730 Walter Oil & Gas Corporation
Phone Number	713-659-1222
E-mail Address	jarcher@walteroil.com
Contact Description	Regulatory/Environmental Coordinator

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Name	Paul Rodriguez
Company	00730 Walter Oil & Gas Corporation
Phone Number	713-659-1222
E-mail Address	prodriguez@walteroil.com
Contact Description	Regulatory Assistant

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Application Status Approved Operator 00730 Walter Oil & Gas Corporation

Well Design Information

Interval Number 1		Type	Casing	Name			Conductor	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD TVD		Pore Pressure (ppg)
1	20.000	94.0	J-55	2110	520	1000	1000	8.5

GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION		
Hole Size (in)	26.000		Type	Diverter		Annular Test (psi)	0	
Mud Weight (ppg)	9.0		Size (in)	30		BOP/Diverter Test (psi)	250	
Mud Type Code	Water Base		Wellhead Rating (psi)	3000		Test Fluid Weight (ppg)	9.0	
Fracture Gradient (ppg)	11.8		Annular Rating (psi)	0		Casing/Liner Test (psi)	250	
Liner Top Depth (ft)	0.0		BOP/Diverter Rating (psi)	500		Formation Test (ppg)	0.0	
Cement Volume (cu ft)	3276							

Interval Number 2		Type	Casing	Name			Surface	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD TVD		Pore Pressure (ppg)
1	16.000	84.0	N-80	4330	1480	4500	4500	8.5

GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION		
Hole Size (in)	20.000		Type	Blowout		Annular Test (psi)	3500	
Mud Weight (ppg)	9.5		Size (in)	16.75		BOP/Diverter Test (psi)	3500	
Mud Type Code	Water Base		Wellhead Rating (psi)	5000		Test Fluid Weight (ppg)	9.5	
Fracture Gradient (ppg)	15.0		Annular Rating (psi)	5000		Casing/Liner Test (psi)	3000	
Liner Top Depth (ft)	0.0		BOP/Diverter Rating (psi)	5000		Formation Test (ppg)	14.5	
Cement Volume (cu ft)	6138							

Interval Number 3		Type	Casing	Name			Intermediate	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD TVD		Pore Pressure (ppg)
1	11.875	71.8	HCQ125	10720	7190	14360	14360	11.5

GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION		
Hole Size (in)	14.750		Type	Blowout		Annular Test (psi)	3500	
Mud Weight (ppg)	12.5		Size (in)	13.625		BOP/Diverter Test (psi)	8000	
Mud Type Code	Oil Base		Wellhead Rating (psi)	10000		Test Fluid Weight (ppg)	12.5	
Fracture Gradient (ppg)	18.5		Annular Rating (psi)	5000		Casing/Liner Test (psi)	7500	
Liner Top Depth (ft)	0.0		BOP/Diverter Rating (psi)	10000		Formation Test (ppg)	18.1	
Cement Volume (cu ft)	4820							

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Interval Number 4		Type	Liner	Name				Intermediate	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD TVD		Pore Pressure (ppg)	
1	9.625	53.5	HCP-110	10900	8850	15916	15916	15.9	

GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION		
Hole Size (in)	12.250		Type	Blowout		Annular Test (psi)	3500	
Mud Weight (ppg)	16.4		Size (in)	13.625		BOP/Diverter Test (psi)	8000	
Mud Type Code	Oil Base		Wellhead Rating (psi)	10000		Test Fluid Weight (ppg)	16.4	
Fracture Gradient (ppg)	19.3		Annular Rating (psi)	5000		Casing/Liner Test (psi)	3000	
Liner Top Depth (ft)	14172.0		BOP/Diverter Rating (psi)	10000		Formation Test (ppg)	19.3	
Cement Volume (cu ft)	691							

Interval Number 5		Type	Casing	Name				Production	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD TVD		Pore Pressure (ppg)	
1	7.750	46.1	Q-125	16790	16580	17841	17841	17.2	

GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION		
Hole Size (in)	8.500		Type	Blowout		Annular Test (psi)	3500	
Mud Weight (ppg)	18.3		Size (in)	13.625		BOP/Diverter Test (psi)	8000	
Mud Type Code	Oil Base		Wellhead Rating (psi)	10000		Test Fluid Weight (ppg)	18.3	
Fracture Gradient (ppg)	19.5		Annular Rating (psi)	5000		Casing/Liner Test (psi)	3500	
Liner Top Depth (ft)	15716.0		BOP/Diverter Rating (psi)	10000		Formation Test (ppg)	19.5	
Cement Volume (cu ft)	205							

Interval Number 6		Type	Liner	Name				Production	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD TVD		Pore Pressure (ppg)	
1	5.500	23.0	Q-125	16510	16070	19000	19000	17.6	

GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION		
Hole Size (in)	6.500		Type	Blowout		Annular Test (psi)	3500	
Mud Weight (ppg)	18.3		Size (in)	13.625		BOP/Diverter Test (psi)	8000	
Mud Type Code	Oil Base		Wellhead Rating (psi)	10000		Test Fluid Weight (ppg)	18.3	
Fracture Gradient (ppg)	19.5		Annular Rating (psi)	5000		Casing/Liner Test (psi)	3500	
Liner Top Depth (ft)	17641.0		BOP/Diverter Rating (psi)	10000		Formation Test (ppg)	0.0	
Cement Volume (cu ft)	112							

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