

Form MMS 123A/123S - Electronic Version

Application for Revised New Well

Lease G23018 **Area/Block** AT 138 **Well Name** 001 **ST** 00 **BP** 00 **Well** Exploration
Application Status Approved **Operato** 00078 Chevron U.S.A. Inc.

Correction Narrative

Add an expandable liner and make some revisions to 9-3/8" liner details.

Revised Attachments:

Drilling Prognosis

Wellbore Schematic

Engr. Calculations

General Well Information

API Number 608184006800	Approval Date 05/08/2008	Approved By David Trocquet
Date of Request 05/08/2008	Req Spud 01/10/2008	Kickoff Point N/A
Water Depth (ft.) 3490	Drive Size (in) 36	Mineral Code Hydrocarbon
RKB Elevation 72	Drive Depth 3880	Subsea BOP Yes
Verbal Approval		Verbal Approval By

Proposed Well Location

SURFACE LOCATION

LEASE (OCS) G23018	Area/Block AT 138	Authority Federal Lease
Entered NAD 27	Calculated NAD 27 Departures	Calculated NAD 27 X-Y
Lat: 27.80131333	S 7744.0	X 786387.024469
Lon: -89.64208444	E 5613.0	Y 1.0097824014533E7
Surface Plan	Plan Lease (OCS) G23018	Area/Block AT 138

BOTTOM LOCATION

LEASE (OCS) G23018	Area/Block AT 138
Entered NAD 27	Calculated NAD 27 Departures
Lat: 27.80131333	S 7744.0
Lon: -89.64208444	E 5613.0
Bottom Plan	Plan Lease (OCS) G23018
Area/Block	AT 138

Approval Comments

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Geologic Information

H2S Designation Absent	H2S TVD
Anticipated Geologic Markers	
Name	Top MD
Top Salt	6807
10.8 CCL MP	23882
13.5 SPTHM	26362
Base Salt	2467
18.0 SB	28749

Rig Information

RIG SPECIFICATIONS		ANCHORS No
Rig Name	ENSCO 7500	
Type	SEMISUBMERSIBLE	ID Number 99908
Function		Constructed 2000
Shipyard		Refurbished
RATED DEPTHS		
Water Depth 8100	Drill Depth	30000
CERTIFICATES		
ABS/DNV 12/31/2010	Coast Guard	02/10/2011
SAFE WELDING AREA		
Approval Date 10/31/2000	District	4.0
Remarks		

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Question Information

Number	Question	Respons	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 ppg or more?	YES	
2	If hydrocarbon-based drilling fluids were used, is the drilling rig outfitted for zero discharge and will zero discharge procedures be followed?	N/A	
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 is not flowing?	YES	
4	If requesting a waiver of the conductor casing, have you submitted a log to MMS G&G that is within 500 feet of the proposed bottom hole location for the proposed surface casing point?	N/A	
5	Will the proposed operation be covered by an EPA Discharge Permit? (please provide permit number in comments for this question)	YES	GMG290132
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 well on the platform? If not, please explain.	N/A	

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Permit Attachments

File Type	File Description	Status
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Required Attachments

pdf	Proposed Well Location Plat	Attached
pdf	Drilling prognosis and summary of drilling, cementing, and mud processes	Attached
pdf	Directional Program	Attached
pdf	Pore pressure (PP), Mud Weight (MW), and Fracture Gradient (FG) Plot	Attached
pdf	Engineering Calculation	Attached
pdf	BOP & Diverter Schematics with Operating Procedures	Attached
pdf	Proposed Wellbore Schematic	Attached

Optional/Supplemental Attachments

pdf	Floater Evacuation Plan	Attached
pdf	U.S. Coast Guard Certificate	Attached
pdf	ABS/DNV Certificate	Attached

Contacts Information

Name	John Connor
Company	00078 Chevron U.S.A. Inc.
Phone Number	832-854-3659
E-mail Address	JohnConnor@chevron.com
Contact	Drilling Superintendent
Name	Debbie Campise
Company	00078 Chevron U.S.A. Inc.
Phone Number	832-854-2617
E-mail Address	cmps@chevron.com
Contact	Drilling Engr. Asst.
Name	Tri Karunoputro
Company	00078 Chevron U.S.A. Inc.
Phone Number	832-854-4695
E-mail Address	trikaru@chevron.com
Contact	Operations Engineer

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Contacts Information

Name	Christine Beiriger
Company	00078 Chevron U.S.A. Inc.
Phone Number	832-854-4012
E-mail Address	cbei@chevron.com
Contact	Operations Engineer

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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	28.0	218.0	X-52	2437.0	952.0	4350. 4350.	8.6
GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION	
Hole Size (in)	32.0	Type	No Preventers			Annular Test (psi)	0.0
Mud Weight (ppg)	0.0	Size (in)	N/A			BOP/Diverter Test	0.0
Mud Type Code	Gelled Sea	Wellhead Rating	0			Test Fluid Weight	0.0
Fracture Gradient	0.0	Annular Rating (psi)	0			Casing/Liner Test	0.0
Liner Top Depth (ft)	0.0	BOP/Diverter Rating	0			Formation Test (ppg)	0.0
Cement Volume (cu	1031.0						

Interval Number 2		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	23.0	448.0	X-80	12170.0	12700.0	3602.	3602.	8.6
2	22.0	328.3	X-80	9545.0	9457.0	3640.	3640.	8.6
3	22.0	224.3	X-80	6360.0	3870.0	4442.	4442.	8.6
4	22.0	170.2	X-60	3668.0	1853.0	6300.	6300.	11.2
GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION		
Hole Size (in)		26.0	Type		Blowout	Annular Test (psi)		7500.0
Mud Weight (ppg)		11.6	Size (in)		18.75	BOP/Diverter Test		11000.0
Mud Type Code		Water Base	Wellhead Rating		15000	Test Fluid Weight		8.6
Fracture Gradient		11.9	Annular Rating (psi)		10000	Casing/Liner Test		2500.0
Liner Top Depth (ft)		0.0	BOP/Diverter Rating		15000	Formation Test (ppg)		11.9
Cement Volume (cu		2867.0						

Interval Number 3		Type Liner			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	18.0	117.0	P-110	6680.0	2110.0	6300. 6300.	11.2
2	17.875	93.5	P-110	5380.0	1270.0	7800. 7800.	11.5

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GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	21.0	Type	Blowout	Annular Test (psi)	7000.0
Mud Weight (ppg)	11.6	Size (in)	18.75	BOP/Diverter Test	11000.0
Mud Type Code	Synthetic	Wellhead Rating	15000	Test Fluid Weight	11.3
Fracture Gradient	14.5	Annular Rating (psi)	10000	Casing/Liner Test	2000.0
Liner Top Depth (ft)	5800.0	BOP/Diverter Rating	15000	Formation Test (ppg)	14.5
Cement Volume (cu	1126.0				

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	16.04	109.6	HCQ-	10385.0	4160.0	7000. 7000.	11.1
2	16.0	97.0	HCQ-125	7860.0	2990.0	15500 15500	14.0

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	19.0	Type	Blowout	Annular Test (psi)	7000.0
Mud Weight (ppg)	14.2	Size (in)	18.75	BOP/Diverter Test	11000.0
Mud Type Code	Synthetic	Wellhead Rating	15000	Test Fluid Weight	13.6
Fracture Gradient	16.4	Annular Rating (psi)	10000	Casing/Liner Test	6100.0
Liner Top Depth (ft)	3602.0	BOP/Diverter Rating	15000	Formation Test (ppg)	16.3
Cement Volume (cu	286.0				

Interval Number 5		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	13.625	88.2	HCQ-125	10030.0	5930.0	20890 20890	15.4

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	16.5	Type	Blowout	Annular Test (psi)	7000.0
Mud Weight (ppg)	15.5	Size (in)	18.75	BOP/Diverter Test	11000.0
Mud Type Code	Synthetic	Wellhead Rating	15000	Test Fluid Weight	15.8
Fracture Gradient	16.7	Annular Rating (psi)	10000	Casing/Liner Test	1900.0
Liner Top Depth (ft)	15200.0	BOP/Diverter Rating	15000	Formation Test (ppg)	16.7
Cement Volume (cu	236.0				

Interval Number 6		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)

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1	11.875	71.8	HCQ125	10720.0	7190.0	22841 22841	15.5
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GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION	
Hole Size (in)	13.5		Type	Blowout		Annular Test (psi)	7000.0
Mud Weight (ppg)	15.6		Size (in)	18.75		BOP/Diverter Test	11000.0
Mud Type Code	Synthetic		Wellhead Rating	15000		Test Fluid Weight	15.8
Fracture Gradient	17.2		Annular Rating (psi)	10000		Casing/Liner Test	2100.0
Liner Top Depth (ft)	20436.0		BOP/Diverter Rating	15000		Formation Test (ppg)	17.0
Cement Volume (cu	112.0						

Interval Number 7			Type Liner			Name Intermediate	
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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	36.0	SET	4550.0	1570.0	24853 24853	16.1

GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION	
Hole Size (in)	12.25		Type	Blowout		Annular Test (psi)	7000.0
Mud Weight (ppg)	16.1		Size (in)	18.75		BOP/Diverter Test	11400.0
Mud Type Code	Synthetic		Wellhead Rating	15000		Test Fluid Weight	16.1
Fracture Gradient	16.8		Annular Rating (psi)	10000		Casing/Liner Test	1500.0
Liner Top Depth (ft)	22350.0		BOP/Diverter Rating	15000		Formation Test (ppg)	16.8
Cement Volume (cu	136.0						

Interval Number 8			Type Liner			Name Intermediate	
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Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD TVD	Pore Pressure (ppg)
1	9.375	39.0	HCQ-125	9330.0	4850.0	27000 27000	16.3

GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION	
Hole Size (in)	11.375		Type	Blowout		Annular Test (psi)	7000.0
Mud Weight (ppg)	16.3		Size (in)	18.75		BOP/Diverter Test	11400.0
Mud Type Code	Synthetic		Wellhead Rating	15000		Test Fluid Weight	16.3
Fracture Gradient	17.2		Annular Rating (psi)	10000		Casing/Liner Test	1200.0
Liner Top Depth (ft)	22250.0		BOP/Diverter Rating	15000		Formation Test (ppg)	17.0
Cement Volume (cu	113.0						

Interval Number 9			Type Open Hole			Name Open Hole	
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Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD TVD	Pore Pressure (ppg)
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1						31150	31150	16.3
GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION		
Hole Size (in) 8.5			Type Blowout			Annular Test (psi) 7000.0		
Mud Weight (ppg) 16.3			Size (in) 18.75			BOP/Diverter Test 11400.0		
Mud Type Code Synthetic			Wellhead Rating 15000			Test Fluid Weight 0.0		
Fracture Gradient 0.0			Annular Rating (psi) 10000			Casing/Liner Test 0.0		
Liner Top Depth (ft) 0.0			BOP/Diverter Rating 15000			Formation Test (ppg) 0.0		
Cement Volume (cu 0.0								

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