

Form MMS 123A/123S - Electronic Version

Application for Permit to Drill a New Well

Lease G18753 **Area/Block** WR 677 **Well Name** 001 **ST** 00 **BP** 00 **Well** Exploration
Application Status Approved **Operato** 00003 Union Oil Company of California

General Well Information

API Number 608124002900	Approval Date 07/26/2007	Approved By Ben Coco
Date of Request 07/18/2007	Req Spud 08/10/2007	Kickoff Point N/A
Water Depth (ft.) 6909	Drive Size (in) 36	Mineral Code Hydrocarbon
RKB Elevation 72	Drive Depth 7297	Subsea BOP Yes
Verbal Approval		Verbal Approval By

Proposed Well Location

SURFACE LOCATION

LEASE (OCS) G18753	Area/Block WR 677	Authority Federal Lease
Entered NAD 27	Calculated NAD 27 Departures	Calculated NAD 27 X-Y
Lat: 26.29934556	N 4120.0	X 2260150.038055
Lon: -91.10793806	E 4970.0	Y 9547399.990689
Surface Plan	Plan Lease (OCS) G18753	Area/Block WR 677

BOTTOM LOCATION

LEASE (OCS) G18753	Area/Block WR677	
Entered NAD 27	Calculated NAD 27 Departures	Calculated NAD 27 X-Y
Lat: 26.29934556	N 4120.0	X 2260150.038055
Lon: -91.10793806	E 4970.0	Y 9547399.990689
Bottom Plan	Plan Lease (OCS) G18753	Area/Block WR 677

Approval Comments

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Geologic Information

H2S Designation	Unknown	H2S TVD
Anticipated Geologic Markers		
Name		Top MD
Top Salt		8514
Base Salt		19468
Top Wilcox		26842

Rig Information

RIG SPECIFICATIONS		ANCHORS		No
Rig Name	T.O. CAJUN EXPRESS			
Type	SEMISUBMERSIBLE	ID Number	45984	
Function	DRILLING	Constructed	2000	
Shipyard	PPL - SINGAPORE	Refurbished		
RATED DEPTHS				
Water Depth	8500	Drill Depth	35000	
CERTIFICATES				
ABS/DNV	05/31/2010	Coast Guard	10/19/2008	
SAFE WELDING AREA				
Approval Date	09/26/2001	District	1.0	
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?	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 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	Debbie Campise
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Contact	Drilling Engr. Asst.
Name	Joanne Zuniga
Company	00003 Union Oil Company of California
Phone Number	832-854-4747
E-mail Address	JZuniga@chevron.com
Contact	Operations Engineer
Name	Tom Jones
Company	00003 Union Oil Company of California
Phone Number	832-854-2633
E-mail Address	thfj@chevron.com
Contact	Drilling Superintendent

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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	22.0	328.3	X-80	9545.0	9457.0	7353. 7353.	8.6
2	22.0	224.3	X-80	6360.0	3870.0	8610. 8610.	8.6
3	22.0	170.2	X-60	3668.0	1853.0	9108. 9108.	8.6

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	26.0	Type	Blowout	Annular Test (psi)	0.0
Mud Weight (ppg)	8.6	Size (in)	18.75	BOP/Diverter Test	0.0
Mud Type Code	Water Base	Wellhead Rating	15000	Test Fluid Weight	8.6
Fracture Gradient	11.7	Annular Rating (psi)	10000	Casing/Liner Test	2400.0
Liner Top Depth (ft)		BOP/Diverter Rating	15000	Formation Test (ppg)	11.1
Cement Volume (cu	3055.0				

Interval Number 2		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	16.0	97.0	HCQ-125	7860.0	2990.0	16177 16177	10.0

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	18.125	Type	Blowout	Annular Test (psi)	3500.0
Mud Weight (ppg)	10.5	Size (in)	18.75	BOP/Diverter Test	6000.0
Mud Type Code	Synthetic	Wellhead Rating	15000	Test Fluid Weight	10.5
Fracture Gradient	14.2	Annular Rating (psi)	10000	Casing/Liner Test	5700.0
Liner Top Depth (ft)	7314.0	BOP/Diverter Rating	15000	Formation Test (ppg)	12.5
Cement Volume (cu	1187.0				

Interval Number 3		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	Q-125	10030.0	4800.0	23647 23647	11.1

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GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	17.0	Type	Blowout	Annular Test (psi)	3500.0
Mud Weight (ppg)	11.5	Size (in)	18.75	BOP/Diverter Test	6000.0
Mud Type Code	Synthetic	Wellhead Rating	15000	Test Fluid Weight	11.5
Fracture Gradient	14.1	Annular Rating (psi)	10000	Casing/Liner Test	4800.0
Liner Top Depth (ft)	15877.0	BOP/Diverter Rating	15000	Formation Test (ppg)	14.1
Cement Volume (cu	1127.0				

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	11.875	58.8	HCQ-125	8660.0	3760.0	26670 26670	13.3

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	14.5	Type	Blowout	Annular Test (psi)	3500.0
Mud Weight (ppg)	13.5	Size (in)	18.75	BOP/Diverter Test	6000.0
Mud Type Code	Synthetic	Wellhead Rating	15000	Test Fluid Weight	13.5
Fracture Gradient	15.0	Annular Rating (psi)	10000	Casing/Liner Test	2300.0
Liner Top Depth (ft)	23347.0	BOP/Diverter Rating	15000	Formation Test (ppg)	14.9
Cement Volume (cu	378.0				

Interval Number		5		Type	Open Hole		Name	Open Hole	
Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD	TVD	Pore Pressure (ppg)	
1						28472	28472	13.8	

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	10.625	Type	Blowout	Annular Test (psi)	3500.0
Mud Weight (ppg)	14.1	Size (in)	18.75	BOP/Diverter Test	6000.0
Mud Type Code	Synthetic	Wellhead Rating	15000	Test Fluid Weight	0.0
Fracture Gradient	15.4	Annular Rating (psi)	10000	Casing/Liner Test	0.0
Liner Top Depth (ft)		BOP/Diverter Rating	15000	Formation Test (ppg)	0.0
Cement Volume (cu	0.0				

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