

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

Lease G21750 **Area/Block** MC 241 **Well Name** 001 **ST** 00 **BP** 00 **Well** Exploration
Application Status Approved **Operato** 00730 Walter Oil & Gas Corporation

Correction Narrative

Change the BOP test on the 16" casing from 7000 psi to 5000 psi. The 7000 psi was a typo.

General Well Information

API Number 608174111400	Approval Date 03/06/2007	Approved By Mark Hasenkampf
Date of Request 02/09/2007	Req Spud 02/07/2007	Kickoff Point N/A
Water Depth (ft.) 2427	Drive Size (in) 30	Mineral Code Hydrocarbon
RKB Elevation 82	Drive Depth 2786	Subsea BOP Yes
Verbal Approval		Verbal Approval By

Proposed Well Location

SURFACE LOCATION

LEASE (OCS) G21750	Area/Block MC 241	Authority Federal Lease
Entered NAD 27	Calculated NAD 27 Departures	Calculated NAD 27 X-Y
Lat: 28.74073583	N 3498.0	X 1022184.032204
Lon: -88.92964861	E 7416.0	Y 1.0435061956508E7
Surface Plan	Plan Lease (OCS) G21750	Area/Block MC 241

BOTTOM LOCATION

LEASE (OCS) G21750	Area/Block MC241
Entered NAD 27	Calculated NAD 27 Departures
Lat: 28.73794111	N 4510.0
Lon: -88.93053833	E 7718.0
Bottom Plan	Plan Lease (OCS) G21750
Area/Block	MC 241

Approval Comments

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Geologic Information

H2S Designation Absent	H2S TVD
Anticipated Geologic Markers	
Name	Top MD
Pleistocene 8000' Sand	8223

Rig Information

RIG SPECIFICATIONS		ANCHORS Yes	
Rig Name	DIAMOND OCEAN VOYAGER		
Type	SEMISUBMERSIBLE	ID Number	28542
Function	DRILLING	Constructed	1973
Shipyard	NYLANDS	Refurbished	
RATED DEPTHS			
Water Depth	4000	Drill Depth	25000
CERTIFICATES			
ABS/DNV	02/28/2008	Coast Guard	01/10/2009
SAFE WELDING AREA			
Approval Date	02/16/1996	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?	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?	N/A	
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	GMG290000
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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Application Status Approved **Operato** 00730 Walter Oil & Gas Corporation

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	Safe Welding Area Drawing	Attached
pdf	Form MMS-123-S	Attached
pdf	Loop Current Discussion	Attached
pdf	U.S. Coast Guard Certificate	Attached
pdf	Barite Statement	Attached
pdf	USCG Certification Extension	Attached
pdf	Approved Supplemental EP Locations C and D	Attached
pdf	Enlarged BOP Schematic	Attached
pdf	ABS/DNV Certificate	Attached

Contacts Information

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

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

Lease G21750 **Area/Block** MC 241 **Well Name** 001 **ST** 00 **BP** 00 **Well** Exploration
Application Status Approved **Operato** 00730 Walter Oil & Gas Corporation

Contacts Information

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

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

Lease G21750 **Area/Block** MC 241 **Well Name** 001 **ST** 00 **BP** 00 **Well** Exploration
Application Status Approved **Operato** 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	20.0	133.0	K-55	3060.0	1500.0	4000. 4000.	8.8
GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION	
Hole Size (in) 26.0			Type Blowout			Annular Test (psi) 3500.0	
Mud Weight (ppg) 9.0			Size (in) 18.75			BOP/Diverter Test 5000.0	
Mud Type Code Water Base			Wellhead Rating 10000			Test Fluid Weight 9.0	
Fracture Gradient 10.8			Annular Rating (psi) 5000			Casing/Liner Test 2000.0	
Liner Top Depth (ft) 0.0			BOP/Diverter Rating 10000			Formation Test (ppg) 10.8	
Cement Volume (cu 3325.0							

Interval Number 2			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	16.0	97.0	HCQ-125	7860.0	2990.0	6100. 6100.	9.9
GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION	
Hole Size (in) 20.0			Type Blowout			Annular Test (psi) 3500.0	
Mud Weight (ppg) 10.2			Size (in) 18.75			BOP/Diverter Test 5000.0	
Mud Type Code Water Base			Wellhead Rating 10000			Test Fluid Weight 10.2	
Fracture Gradient 13.0			Annular Rating (psi) 5000			Casing/Liner Test 2000.0	
Liner Top Depth (ft) 2500.0			BOP/Diverter Rating 10000			Formation Test (ppg) 13.0	
Cement Volume (cu 1600.0							

Interval Number 3			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						8665. 8400.	11.5
GENERAL INFORMATION			PREVENTER INFORMATION			TEST INFORMATION	
Hole Size (in) 12.25			Type Blowout			Annular Test (psi) 3500.0	
Mud Weight (ppg) 12.1			Size (in) 18.75			BOP/Diverter Test 5000.0	
Mud Type Code Water Base			Wellhead Rating 10000			Test Fluid Weight 0.0	
Fracture Gradient 15.0			Annular Rating (psi) 5000			Casing/Liner Test 0.0	
Liner Top Depth (ft) 0.0			BOP/Diverter Rating 10000			Formation Test (ppg) 0.0	
Cement Volume (cu 0.0							

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Application for Revised New Well

Lease	G21750	Area/Block	MC 241	Well Name	001	ST	00	BP	00	Well	Exploration
Application Status	Approved		Operato	00730	Walter Oil & Gas Corporation						

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 is estimated to average 2? hours per response, including 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

**APPLICATION FOR PERMIT TO DRILL
OCS-G 21750, WELL NO. 001ST00BP00
MISSISSIPPI CANYON AREA BLOCK 241**

GENERAL DRILLING PROGRAM:

Perform BOP stump test. Jet in 30" x 1" structural pipe to ±2800' RKB (±280' BML). RIH with 26" bit. Drill 26" hole to ±4000' MD/TVD. POOH. Run and cement 20" 133# K-55 casing with S-60 connectors at ±4000' MD/TVD (1480' BML). POOH. Move rig 100' off location. Run the previously stump tested subsea BOP's and riser testing choke and kill lines every third or fourth connection to 10,000 psi. Run riser. Install gas detectors and PVT devices. Test the pipe rams to 250 psi low and 5000 psi high initially before testing the casing. Test the casing and blind/shear rams to 2000 psi. Run bore protector. PU 17" rock bit with bi-centered 20" security reamer, MWD with Gamma Resistivity and BHA. Drill out the float shoe, ream to TD and drill 10' of new formation with 9.0 ppg mud. Test the 20" shoe to leak-off, expect ±10.8 ppg EMW. Drill 20" hole to ±6100' MD/TVD. Run and cement 16" 97# HCQ-125 BTC liner at ±6100' MD/TVD. POOH. Test 16" liner and hanger to 2000 psi. NU BOP's. Test hydril to 250 psi low and 3500 psi high. Test rams to 250 psi low and 5000 psi high. Run bore protector. MU 12-1/4" rock bit, MWD with Gamma-Resistivity and BHA. Drill out the float shoe, ream to TD and drill 10' new formation. Test 16" shoe to leak off, expect ±13.0 ppg EMW. Drill 12-1/4" hole to casing point at ±8665' MD /8400' TVD. POOH. Log as per geologist recommendation. Spot open hole plugs for hydrocarbon zone if needed and prepare to spot kick off plug for sidetrack.

DRILLING MUD PROGRAM:

<u>Depth (TVD)</u>	<u>Mud Weight</u>	<u>Type Mud</u>	<u>Minimum Reserve Quantities To Be Maintained On Board</u>
ML – 4,000'	9.0	Low Solids Non-Dispersed	1000 sxs Barite 200 sxs Gel
4,000' - 6,100'	9.0 – 10.2	Low Solids Non-Dispersed	1000 sxs Barite 200 sxs Gel
6,100' - 8400'	10.2 – 12.2	Low Solids Non-Dispersed	1000 sxs Barite 200 sxs Gel

Storage Capacity of Rig: Active Mud/Reserve Mud - See Specifications

Dry Mud/Bulk Storage - See Specifications

Sacked Mud & Cement - See Specifications

Transportation Time for Delivery of Supplies - 1 hours

Rate and Method of Disposal: Drilling cuttings and water-base mud will be discharged overboard at rates not to exceed EPA's NPDES General Permit GMG290000 limitations. Any oil contaminated cuttings or oil-based mud will be transported to shore for proper disposal.

All discharges will be made in compliance with the applicable NPDES permit.

Page Two
 Application for Permit to Drill
 OCS-G 21750, Well No. 001ST00BP00, Block 241
 Mississippi Canyon Area, Offshore, Louisiana

CASING PROGRAM (TVD):

<u>Casing Size</u>	<u>Collapse</u>	<u>Tension</u>	<u>Burst</u>	<u>Maximum Surface Pressure</u>	<u>Pressure Test Rate</u>	<u>Shoe Test</u>
30" x 1"	1.10	1.10	1.10	Will not be S.I.	NA	--
20"	1.59	10.64	1.71	1786	2000 psi	10.8
16"	2.22	9.29	4.35	1805	2000 psi	13.0

These are minimum design factors. Actual safety factors will be at least these values.
 All zones containing oil, gas and/or fresh water will be protected with casing and cement.

CEMENT PROGRAM:

<u>Hole</u>	<u>Casing</u>	<u>Depth (TVD)</u>	<u>Cement Volumes (Cu. Ft.)</u>
26"	20"	4000'	3325 Cu. Ft
20"	16"	6100'	1600 Cu. Ft.

BOP PROGRAM:

<u>Interval</u>	<u>Equipment</u>	<u>Test Pressure</u>
Stump Test	1 Annular Preventer 2 Pipe Rams, 1 Blind Shear	250 psi/3500 psi 250 psi/10000 psi
Conductor	1 Annular Preventer 2 Pipe Rams, 1 Blind Shear	250 psi/3500 psi 250 psi/5000 psi
Surface	1 Annular Preventer 2 Pipe Rams, 1 Blind Shear	250 psi/3500 psi 250 psi/5000 psi

In accordance with 30 CFR 250.407(a)(3) "Blowout preventer (BOP) system tests, inspections and maintenance", Walter respectfully requests a waiver not to test the BOP's before drilling out the 16" string if fourteen (14) days have not elapsed since the last BOP pressure test.

DEPARTURES:

Request departure from Title 30 CFR 250.405 to test casing to the specified rate in lieu of 70% of the minimum interval yield pressure:

<u>Casing</u>	<u>Pressure Test Rate</u>
20"	2000 psi
16"	2000 psi

LOGGING PROGRAM:

<u>Depth (TVD):</u>	<u>Type</u>
8400'	MWD w/Gamma-Resistivity

GEOLOGIC DATA:

<u>Formation</u>	<u>Depth (TVD)</u>
Pleistocene 8000' Sand	8020'

CASING DESIGN CALCULATIONS

Conductor Casing

20" 133# K-55 S-60 Connector
(ML – 4000' MD/TVD)

I. Calculate Collapse Safety Factor

$$CSF = \frac{\text{Casing Collapse Design Pressure}}{\text{Hydrostatic Pressure at TVD}}$$

Assume casing filled with half water and air and set in 9.0 ppg mud

$$HP @ 4000' = (4000' \times .052 \times 9.0 \text{ ppg}) - (4000' \times .233) = 940 \text{ psi}$$

$$CSF = \frac{1500}{940} = 1.59$$

II. Calculate Tension Safety Factor

$$TSF = \frac{\text{Casing Tension Design Strength}}{\text{Actual Weight of Casing String}}$$

$$TSF = \frac{2,123,000}{199,500} = 10.64$$

III. Calculate Burst Safety Factor

$$BSF = \frac{\text{Casing Burst Design Pressure}}{\text{Maximum Shut-In Surface Casing Pressure}}$$

$$MSISCP = (\text{Fracture Gradient at Casing Shoe} \times .052 \times \text{TVD}) - (\text{Gas-Condensate Gradient} \times \text{TVD to Casing Shoe})$$

Assume Dry Gas Gradient to be .115 psi/foot

$$MSISCP = (10.8 \text{ ppg} \times .052 \times 4000') - (.115 \times 4000') = 1786 \text{ psi}$$

$$BSF = \frac{3060}{1786} = 1.71$$

Actual casing test pressure will be 70% of internal yield or MSISCP, whichever is the lesser.
In this case, it will be the MSISCP 2000 psi.
Test BOP's to 250 psi low and 5000 psi high.

CASING DESIGN CALCULATIONS

Surface Liner
16" 97# HCQ-125 BT&C
(2500' – 6100' MD/TVD)

I. Calculate Collapse Safety Factor

$$\text{CSF} = \frac{\text{Casing Collapse Design Pressure}}{\text{Hydrostatic Pressure at TVD}}$$

Assume casing filled with half mud/gas .310 psi/ft and set in 10.2 ppg mud

$$\text{HP @ 6100'} = (6100' \times .052 \times 10.2 \text{ ppg}) - (6100' \times .310) = 1344 \text{ psi}$$

$$\text{CSF} = \frac{2990}{1344} = 2.22$$

II. Calculate Tension Safety Factor

$$\text{TSF} = \frac{\text{Casing Tension Design Strength}}{\text{Actual Weight of Casing String}}$$

$$\text{TSF} = \frac{3,246,000}{349,200} = 9.29$$

III. Calculate Burst Safety Factor

$$\text{BSF} = \frac{\text{Casing Burst Design Pressure}}{\text{Maximum Shut-In Surface Casing Pressure}}$$

$$\text{MSISCP} = (\text{Fracture Gradient at Casing Shoe} \times .052 \times \text{TVD}) - (\text{Mud and Gas-Condensate Gradient} \times \text{TVD to Casing Shoe})$$

Assume half mud and half dry gas. Gradient to be .115 psi/foot

$$\text{MSISCP} = (13.0 \text{ ppg} \times .052 \times 6100') - (.38 \times 6100') = 1805 \text{ psi}$$

$$\text{BSF} = \frac{7860}{1805} = 4.35$$

Due to the hanger, 20" will be exposed to 16" casing, thus will test 16" casing to 2000 psi of casing for drilling. Test BOP's to 250 psi low and 5000 psi high.

WALTER OIL & GAS CORPORATION

MISSISSIPPI CANYON AREA BLOCK 241

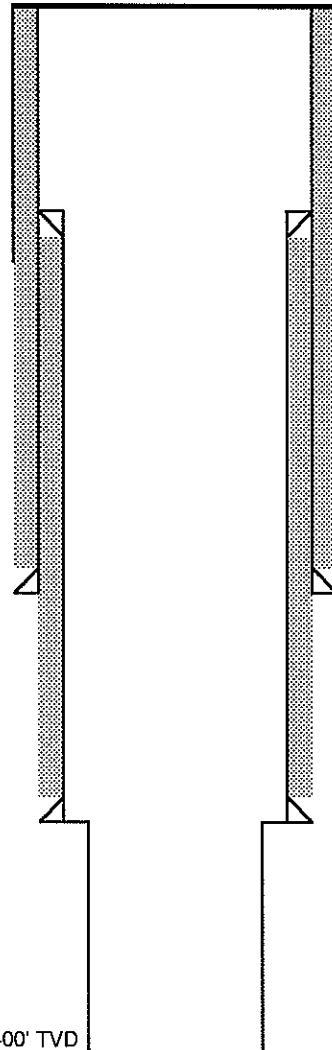
OCS-G 21750, WELL NO. 001ST00BP00

Proposed Drilling - 06 December 2006

±100' RKB

±2420' Water Depth

±2520' Mud line



Jet 30" x 1" DP to ±2800' (±280' BML)

Set 20" 133# K-55 S-60 Casing at ±4000' MD/TVD

Cmt w/3325 cf of cmt

Hole Size: 26"

Test to 2000 psi. LOT = ±10.8 ppg EMW

Set 16" 97# HCQ-125 BTC Liner at ±6100' MD/TVD

TOL at ±2500' MD/TVD

Cmt w/1600 cf of cmt

Hole Size: 20"

Test to 2000 psi. LOT = ±13.0 ppg EMW

Drill 12-1/4" Hole to ±8665' MD / 8400' TVD

Marathon
G05830
O 1

3,498.00'

7,416.00'

No 001 Prop Well Surf	
NAD27-UTM16 (NORTH)	
X=	1,022,184.00'
Y=	10,435,062.00'
Lat.	28° 44' 26.649"N
Lon.	88° 55' 46.735"W
NAD83-UTM16 (NORTH)	
X=	1,022,187.01'
Y=	10,435,722.16'
Lat.	28° 44' 27.505"N
Lon.	88° 55' 46.853"W

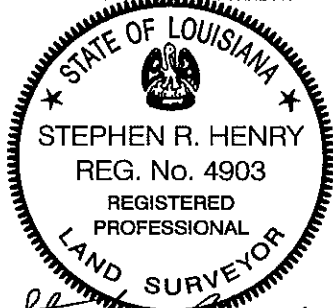
MC241

OCS-G-21750

SHELL, WALTER

GRID NORTH

I HEREBY CERTIFY THAT THE ABOVE PROPOSED
WELL SURFACE LOCATION IS CORRECT.



REG. PROFESSIONAL LAND SURVEYOR NO. 4903
STATE OF LOUISIANA

NOTES:

1) COORDINATES TRANSFORMED FROM NAD27
(CHART DATUM) TO NAD83 (GPS DATUM)
USING NADCON VERSION 2.1.

**PUBLIC
INFORMATION**



WALTER OIL & GAS CORPORATION

PROPOSED LOCATION
OCS-G-21750 WELL NO. 001
BLOCK 241
MISSISSIPPI CANYON AREA
GULF OF MEXICO

FUGRO CHANCE INC.



200 Dulles Dr. Lafayette, Louisiana 70506-3001 (337) 237-1300

GEODETTIC DATUM: NAD27
PROJECTION: U.T.M. 16 (NORTH)
GRID UNITS: US SURVEY FEET

SCALE
IN FEET 0 2,000'

Job No.: 06-7370 Date: 12/6/06

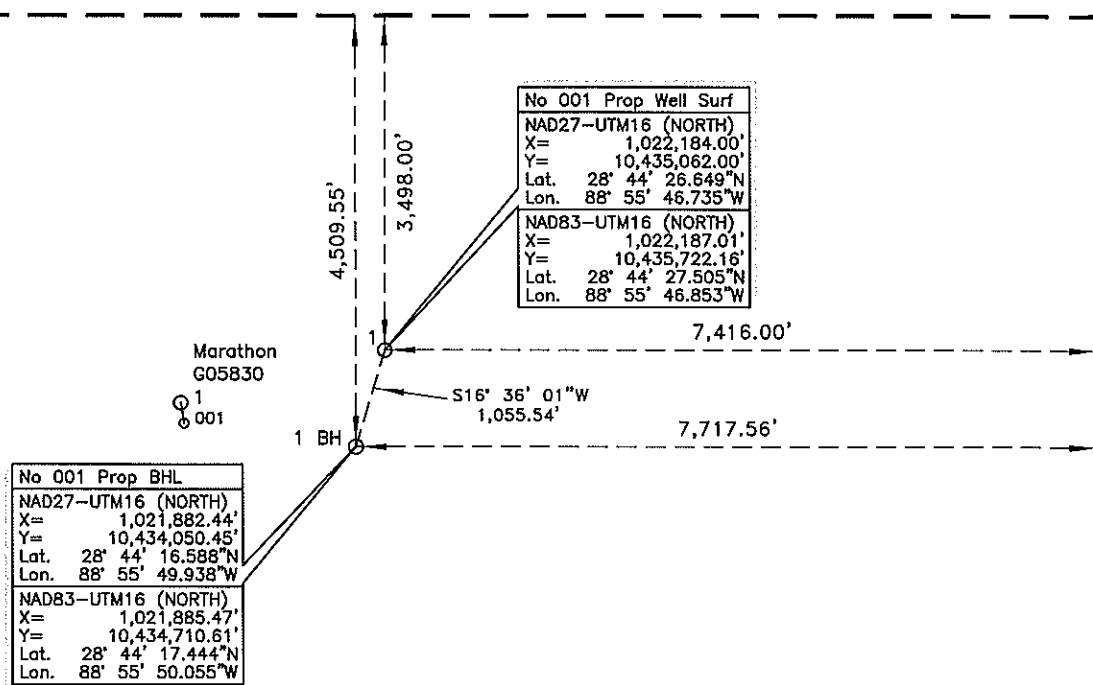
Drwn: TCG

Chart: Of:

Dwgfile: O:\WellPermit\UTM16\MC\Permit\241_P_1_G21750

1 1

Printed: 12/6/06



MC241
OCS-G-21750
SHELL, WALTER

I HEREBY CERTIFY THAT THE ABOVE PROPOSED WELL SURFACE LOCATION IS CORRECT.

STATE OF LOUISIANA

STEPHEN R. HENRY
 REG. No. 4903
 REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

Stephen R. Henry

REG. PROFESSIONAL LAND SURVEYOR NO. 4903
 STATE OF LOUISIANA

NOTES:

- 1) COORDINATES TRANSFORMED FROM NAD27 (CHART DATUM) TO NAD83 (GPS DATUM) USING NADCON VERSION 2.1.
- 2) BOTTOM HOLE INFORMATION PROVIDED BY CLIENT AND DOES NOT REPRESENT A FUGRO CHANCE FIELD SURVEY.



WALTER OIL & GAS CORPORATION

PROPOSED LOCATION
OCS-G-21750 WELL NO. 001
 BLOCK 241
 MISSISSIPPI CANYON AREA
 GULF OF MEXICO

FUGRO CHANCE INC.



200 Dukes Dr. Lafayette, Louisiana 70505-5001 (337) 257-1500

GEODETIC DATUM: NAD27
 PROJECTION: U.T.M. 16 (NORTH)
 GRID UNITS: US SURVEY FEET

SCALE 0 2,000'
 IN FEET

Job No.: 06-7370

Date: 12/6/06

Drwn: TCG

Chart: Of:

Dwgfile: O:\WellPermit\UTM16\MC\Permit\241_P_1_G21750

1 1

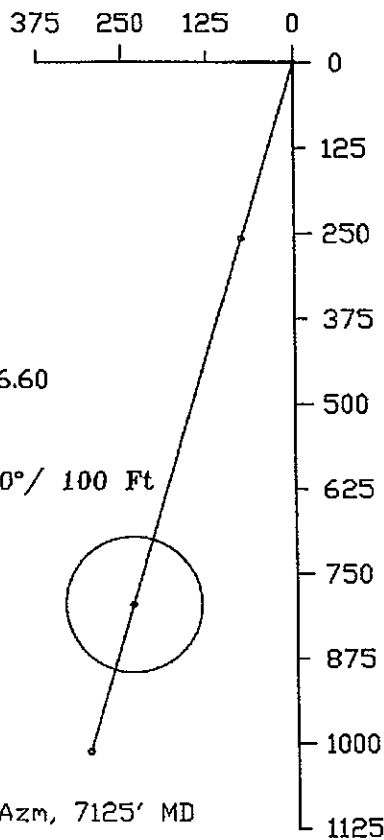


Walter Oil & Gas Corporation
OCS-G 21750, Well No. 001ST00BP00
Mississippi Canyon Area Block 241



0.73°
EAST GRID
TOTAL CORRECTION

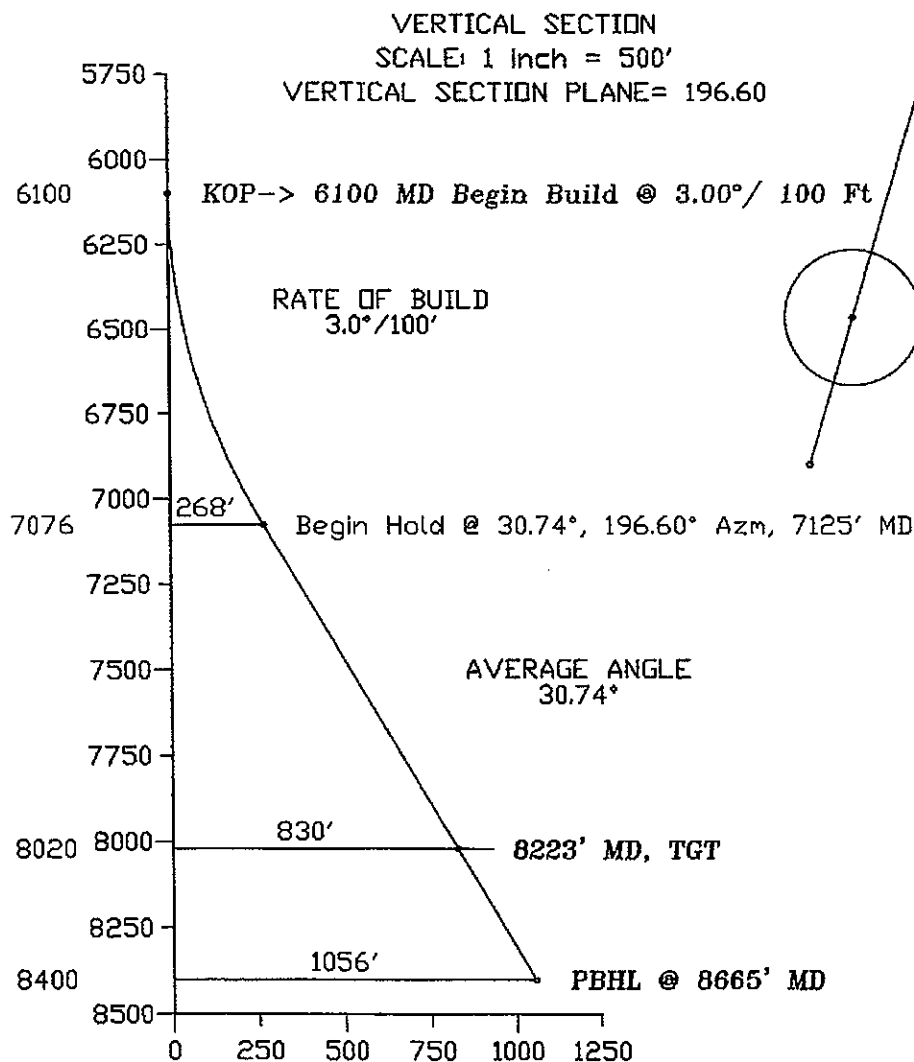
PLAN VIEW
SCALE: 1 inch = 250'



SURFACE LOCATION
3498' FNL, 7416' FEL
X= 1,022,184.00'
Y= 10,435,062.00'
LAT= 28°44'26.649"
LONG=-88°55'46.735"

TARGET-1
830' DISPLACEMENT
@ 196.60° AZIMUTH
SOUTH- 795.00'
WEST- 237.00'
TVD- 8020.00'
MD- 8222.72'
4293.00' FNL
7653.00' FEL
X= 1,021,947.00'
Y= 10,434,267.00'
LAT= 28°44'18.742"
LONG=-88°55'49.252"
100' Radius Tgt.

PBHL
1056' DISPLACEMENT
@ 196.60° AZIMUTH
SOUTH- 1011.55'
WEST- 301.56'
TVD- 8400.00'
MD- 8664.83'
4509.55' FNL
7717.56' FEL
X= 1,021,882.44'
Y= 10,434,050.45'
LAT= 28°44'16.583"
LONG=-88°55'49.938"



(337) 234-0344 LAURETTE, LA
drawn by: RONALD J. DAISLE
AC=VOC241V20PTST0014, V=VNC241C, C14



Job Number:
Company: WALTER OIL & GAS CORPORATION
Lease/Well: 001ST00BP00
Location: MISSISSIPPI CANYON BLK-241
Rig Name:
RKB:
G.L. or M.S.L.:

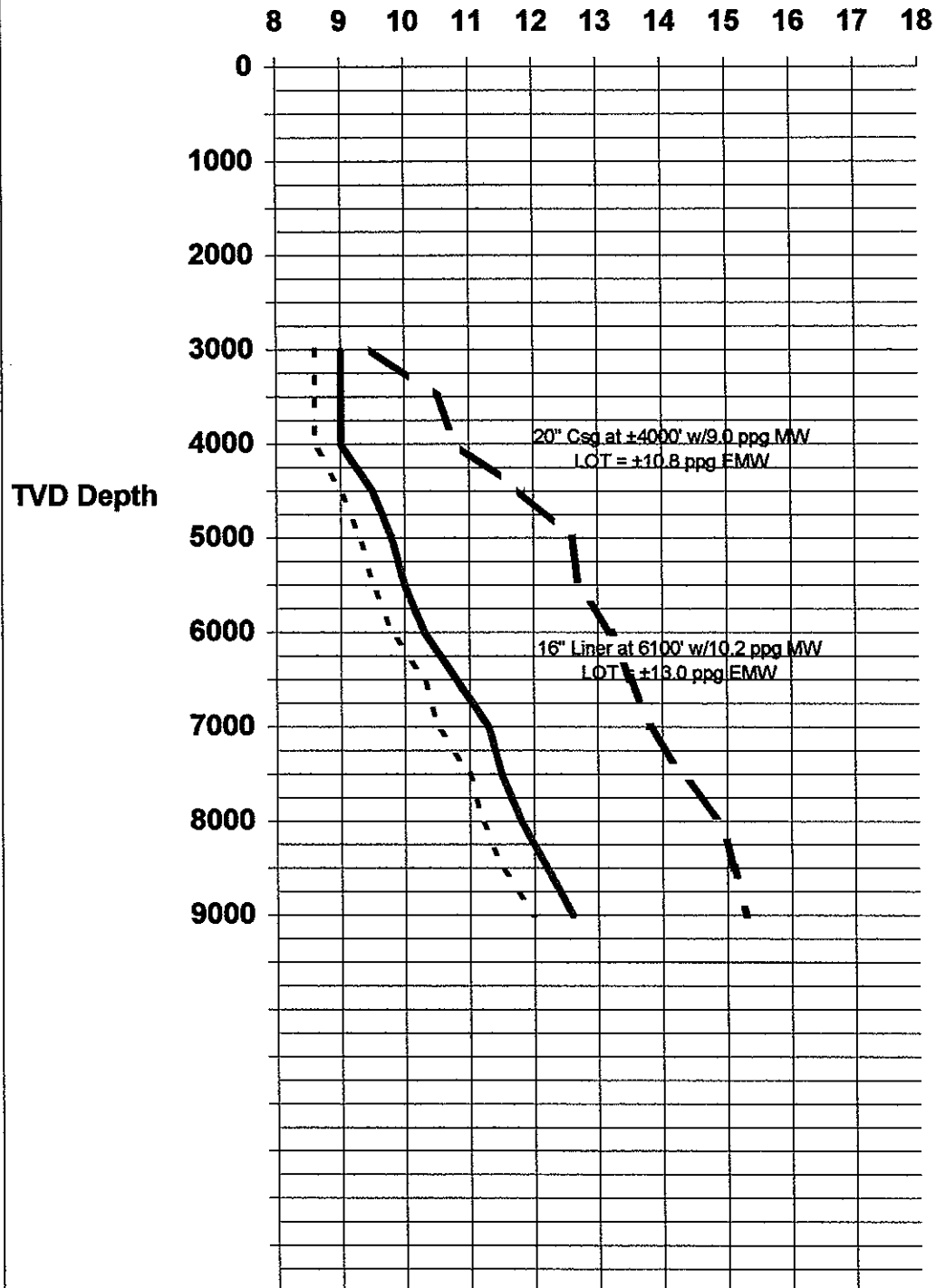
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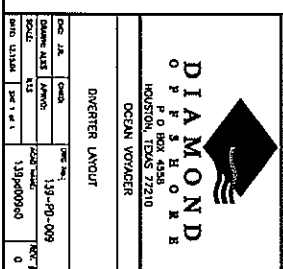
WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 196.60
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
KOP-> 6100 MD Begin Build @ 3.00°/ 100 Ft									
6100.00	.00	196.60	6100.00	.00	.00	.00	.00	.00	.00
6200.00	3.00	196.60	6199.95	-2.51	-.75	2.62	2.62	196.60	3.00
6300.00	6.00	196.60	6299.63	-10.03	-2.99	10.46	10.46	196.60	3.00
6400.00	9.00	196.60	6398.77	-22.53	-6.72	23.51	23.51	196.60	3.00
6500.00	12.00	196.60	6497.08	-40.00	-11.92	41.74	41.74	196.60	3.00
6600.00	15.00	196.60	6594.31	-62.36	-18.59	65.08	65.08	196.60	3.00
6700.00	18.00	196.60	6690.18	-89.58	-26.70	93.48	93.48	196.60	3.00
6800.00	21.00	196.60	6784.43	-121.57	-36.24	126.85	126.85	196.60	3.00
6900.00	24.00	196.60	6876.81	-158.23	-47.17	165.12	165.12	196.60	3.00
7000.00	27.00	196.60	6967.08	-199.49	-59.47	208.16	208.16	196.60	3.00
7100.00	30.00	196.60	7054.93	-245.21	-73.10	255.87	255.87	196.60	3.00
Begin Hold @ 30.74°, 196.60° Azm, 7125' MD									
7124.61	30.74	196.60	7076.16	-257.13	-76.65	268.31	268.31	196.60	3.00
7224.61	30.74	196.60	7162.11	-306.11	-91.26	319.42	319.42	196.60	.00
7324.61	30.74	196.60	7248.06	-355.09	-105.86	370.54	370.54	196.60	.00
7424.61	30.74	196.60	7334.01	-404.07	-120.46	421.65	421.65	196.60	.00
7524.61	30.74	196.60	7419.96	-453.05	-135.06	472.76	472.76	196.60	.00
7624.61	30.74	196.60	7505.91	-502.04	-149.66	523.87	523.87	196.60	.00
7724.61	30.74	196.60	7591.87	-551.02	-164.27	574.98	574.98	196.60	.00
7824.61	30.74	196.60	7677.82	-600.00	-178.87	626.09	626.09	196.60	.00
7924.61	30.74	196.60	7763.77	-648.98	-193.47	677.20	677.20	196.60	.00
8024.61	30.74	196.60	7849.72	-697.96	-208.07	728.32	728.32	196.60	.00
8124.61	30.74	196.60	7935.67	-746.94	-222.67	779.43	779.43	196.60	.00
8223' MD, TGT									
8222.72	30.74	196.60	8020.00	-795.00	-237.00	829.57	829.57	196.60	.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
8322.72	30.74	196.60	8105.95	-843.98	-251.60	880.69	880.69	196.60	.00
8422.72	30.74	196.60	8191.90	-892.96	-266.20	931.80	931.80	196.60	.00
8522.72	30.74	196.60	8277.85	-941.94	-280.81	982.91	982.91	196.60	.00
8622.72	30.74	196.60	8363.80	-990.93	-295.41	1034.02	1034.02	196.60	.00
PBHL @ 8665' MD									
8664.83	30.74	196.60	8400.00	-1011.55	-301.56	1055.54	1055.54	196.60	.00

Mississippi Canyon Area Block 241
OCS-G 21750, Well No. 001ST00BP00
Pore Pressure Graph





NAME	RECORDING	DATE
		
DIANOND P O BOX 4700 HOLBROOK, KANSAS 67032 OCEAN VOYAGER 18 1/2" - 15K BOP STOCK ASSEMBLY		
DATE	TIME	REMARKS
1984 JUN 1	12:00	178-Ca-019
DATE REC'D	TIME REC'D	REMARKS
1984 JUN 1	12:00	178-Ca-019

INTERNATIONAL LOAD LINE CERTIFICATE

Issued under the provisions of the International Convention on Load Lines, 1966,
under the authority of the Government of

REPUBLIC OF MARSHALL ISLANDS

by the American Bureau of Shipping

Name of Ship	Distinctive Number or Letters	Port of Registry	Length (L) as defined in Article 2(8)
OCEAN VOYAGER	O/N 1765 IMO# 8753366	MAJURO	93.59 M

Freeboard assigned as:

A new ship
An existing ship

Type of Ship:

Type "A"
Type "B"
Type B with reduced freeboard
Type B with increased freeboard

* Delete whatever is inapplicable

Freeboard from Deck Line	TO CENTER OF RING 13934 mm	Load Line	
Tropical	N/A (mm/inches) (T)	N/A (mm/inches)	above (S)
Summer	N/A (mm/inches) (S)	Upper edge of line through center of ring	
Winter	N/A (mm/inches) (W)	N/A (mm/inches)	below (S)
Winter North Atlantic	N/A (mm/inches) (WNA)	N/A (mm/inches)	below (S)
Timber tropical	N/A (mm/inches) (LT)	N/A (mm/inches)	above (LS)
Timber summer	N/A (mm/inches) (LS)	N/A (mm/inches)	above (S)
Timber winter	N/A (mm/inches) (LW)	N/A (mm/inches)	below (LS)
Timber winter North Atlantic	N/A (mm/inches) (LWNA)	N/A (mm/inches)	below (LS)

Note: Freeboards and Load Lines which are not applicable need not be entered on the certificate.

Allowance for fresh water for all freeboards other than timber N/A (mm/inches)

Allowance for fresh water for timber freeboards N/A (mm/inches)

The upper edge of the deck line from which these freeboards are measured is: 100 mm below top of column deck at side.



Date of initial or periodical survey 14 December 2004

THIS IS TO CERTIFY that this ship has been surveyed and that the freeboards have been assigned and load lines shown above have been marked in accordance with the International Convention on Load Lines, 1966.

This certificate is valid until 28 February 2008, subject to periodical inspections in accordance with article 14(1)(c) of the Convention.



Issued at Pascagoula, Mississippi on 14 December 2004

The undersigned declares that he is duly authorized by the said Government to issue this Certificate.

M. L. MADONNA Surveyor, American Bureau of Shipping

Notes: 1. When a ship departs from a port situated on a river or inland waters, deeper loading shall be permitted corresponding to the weight of fuel and all other materials required for consumption between the point of departure and the sea.

2. When a ship is in fresh water density the appropriate load line may be submerged by the amount of the fresh water allowance shown above. When the density is other than unity, an allowance shall be made proportional to the difference between 1.025 and the actual density.



DEPARTMENT OF HOMELAND SECURITY
UNITED STATES COAST GUARD

OMB Approval 2115-0504

CERTIFICATE OF COMPLIANCE

Particulars of Ship:

Name of Vessel: OCEAN VOYAGER	IMO Number: 8753366	Flag of Vessel: Marshall Islands
Owner: Diamond Offshore Service Company 15415 Katy Freeway, Ste. 400 P.O. Box 4558 Houston, TX 77094	Operator Manager: Diamond Offshore Drilling, Inc. 15415 Katy Freeway, Ste. 400 P.O. Box 4558 Houston, TX 77094	
Type of Vessel: ☐ Passenger Ship ☐ Oil Tanker ☐ Chemical Tanker ☐ Gas Carrier ☒ Mobile Offshore Drilling Unit (MODU)		

For Passenger Vessels only:

☐ The maximum number of passengers is _____. The maximum allowable total persons on board is _____ total persons.

For Tank ships only:

- ☐ The vessel is authorized to carry into or from United States ports:
- ☐ the products listed on the Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk
 - ☐ the products listed on the Certificate of Fitness for the Carriage of Liquefied Gases in Bulk subject to conditions noted on the attached USCG Subchapter O Endorsement (SOE)
 - ☐ crude oil or other petroleum products
 - ☐ Category C/Category D Noxious Liquid Substances as noted on the vessel's NLS Certificate of the Attachment to the IOPP Certificate
- ☐ This vessel meets the U.S. double-hull design standards of 33 CFR 157.10d.
- ☐ On _____, this vessel must meet the U.S. double-hull design standard of 33 CFR 157.10.d.
- ☐ This vessel's vapor collection system (VCS) has been certified as meeting the requirements of Title 46, Code of Federal Regulations, part 39 and Title 33, Code of Federal Regulations, Section 155.750(d) by _____ under the authority of Title 46, Code of Federal Regulations, Section 39.10-13(d), for the collection of cargo vapors listed in the certification dated _____, and is therefore accepted for the collection of these vapors in the navigable waters of the United States.
- ☐ This vessel is equipped with (check all that apply): ☐ segregated ballast tanks ☐ dedicated clean ballast tanks ☐ crude oil washing system.
- ☐ This vessel complies with the requirements of 33 CFR 157.10 (c) to operate as a (check all that apply): ☐ Crude Oil Carrier ☐ Product Carrier
- ☐ This vessel is equipped with an inert gas system that complies with the requirements of SOLAS 74 (amended) II-2/62 and 46 CFR 32.

For MODU's only:

- ☒ This vessel has been examined in accordance with (check one): ☐ 33 CFR 143.207(a) ☒ 33 CFR 143.207(b) ☐ 33 CFR 143.207(c)
- ☒ This maximum allowable number of persons on board is 100 and the minimum number of lifeboatmen required is 4.
- ☒ This vessel is: ☐ Self-propelled ☒ Non Self-propelled

THIS IS TO CERTIFY:

That the ship has been examined and found to be in compliance with all applicable U.S. and international marine safety and environmental protection standards.

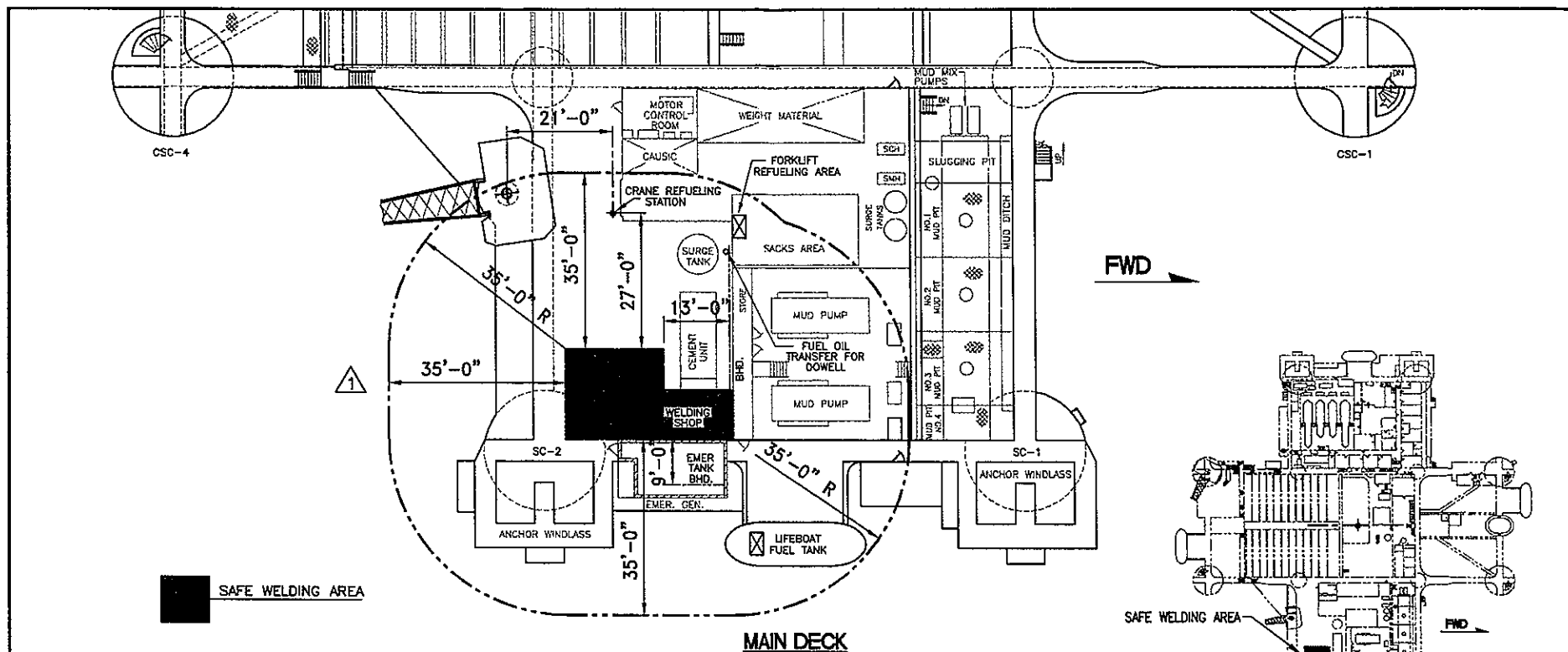
J.A. FOSDICK, CDR, USCG, BYDIR December 14, 2004
Officer in Charge, Marine Inspection Date Issued

Mobile, AL December 14, 2006
Zone Date of Expiration

Tank Ships and MODU's	Passenger Ships
Annual Exam Due	Quarterly Exams Due
<u>14DEC05</u>	1. _____
	2. _____
	3. _____

An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number.

The Coast Guard estimates that the average burden for this report is 10 minutes (or 0.17 hours). You may submit any comments concerning the accuracy of this burden estimate or any suggestions for reducing the burden to: Commandant (G-MOC), U.S. Coast Guard, 2100 2nd St., SW, Washington D.C. 20593-0001 or Office of Management and Budget, Paperwork Reduction Project (2115-0504), Washington, D.C. 20503.



CONDITIONS OF APPROVAL FOR DESIGNATED SAFE WELDING AND BURNING AREAS

1. IF A DIESEL INTAKE POINT IS LOCATED WITHIN 35 FEET OF THE DESIGNATED SAFE WELDING AND BURNING AREA, THE FOLLOWING MUST BE ADHERED TO:
 - A. WELDING AND BURNING OPERATIONS WILL NOT BE PERFORMED WHILE DIESEL LOADING OR OFF LOADING OPERATIONS ARE BEING PERFORMED DUE TO THE CLOSE PROXIMITY OF THE FUEL LINE.
 - B. A SIGN WILL BE POSTED AT THE DIESEL INTAKE POINT, INDICATING WELDING AND BURNING WILL BE SHUT DOWN IN THE SAFE WELDING AND BURNING AREA DURING DIESEL LOADING AND OFF LOADING OPERATIONS.
2. IF A MUD ROOM HATCH IS LOCATED WITHIN 35 FEET OF THE DESIGNATED SAFE WELDING AND BURNING AREA, THE HATCH MUST BE CLOSED WHEN WELDING AND BURNING OPERATIONS ARE BEING PERFORMED.
3. THE DESIGNATED SAFE WELDING AND BURNING AREA WILL BE CLEARLY MARKED AND IDENTIFIED.

Approved subject to field inspection

[Signature]

District Manager

New Orleans District

Date: 3-8-2005

1	10/6/04	AF	ADDED 35 FT MARK PER MMS REQUIREMENT.	DATE	CHG	REV	139-GA-021
0	4/4/03	CAS	ISSUED FOR APPROVAL	DATE	CHG	REV	139p0021a1
REV	DATE	BY	DESCRIPTION	DATE	CHG	REV	1



SAFE WELDING AREA

1) Operator Name: Walter Oil & Gas Corporation		2) Well Name (Proposed): 001 ST: 00 BP: 00	
3) Bottom Hole Lease: OCS-G 21750		4) Surface Lease: OCS-G 21750	
5) API Number:		6) Type of Well: ☒ Exploratory ☐ Development	
7) H ₂ S: ☒ Absent ☐ Known ☐ Unknown		8) H ₂ S Activation Plan Depth (TVD) (ft): N/A	
9) Rig Name: Ocean Voyager		10) SubSea BOP: ☒ Yes ☐ No	
11) Water Depth (ft): ±2420	12) RKB Height (ft): ±100'	13) Mineral Code: Hydrocarbons	
14) Drive Pipe Size (in): 30" x 1"	15) Drive Pipe Depth (ft): ±2800' MD	16) Anchors: ☒ Yes ☐ No	

[illegible]

Interval Number: 2			Type:	Liner	Name:	Surface	
Section Number	Casing Size	Casing Weight (#/ft)	Casing Grade	Burst Rating (psi)	Collapse Rating (psi)	Depth (ft) MD TVD	Pore Pressure (psi)
1	16.000"	97	HCQ-125	7860	2990	6100' MD/TVD	9.9

Interval Number: 3			Type: Open Hole			Name:	Open Hole	
Section Number	Casing Size	Casing Weight (#/ft)	Casing Grade	Burst Rating (psi)		Collapse Rating (psi)	Depth (ft) MD TVD	Pore Pressure (psi)
							8665' MD/8400' TVD	11.5

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	12.250"	Type	Blowout	Annular Test (psi)	3500
Mud Weight (ppg)	12.1	Size (in)	18.750"	BOP/Diverter (psi)	5000
Mud Type Code	Water Based	Wellhead Rating (psi)	10000	Mud Test Weight (ppg)	0
Frac Gradient (ppg)	15.0	Annular Rating (psi)	5000	Casing/Liner Test (psi)	0
Liner Top Depth (ft)	0	BOP/Diverter Rating (psi)	10,000	Formation (ppg)	0
Cement Volume (ft3)	0				

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

**WALTER OIL & GAS CORPORATION
OCS-G 21750, WELL NO. 001ST00BP00
MISSISSIPPI CANYON AREA BLOCK 241**

LOOP CURRENT DISCUSSION

In accordance with NTL No. 2005-G05 dated April 21, 2005 and pursuant to 30 CFR 250.417 (e), the following is Walter Oil & Gas Corporation's (Walter) loop current specific operational plan for Mississippi Canyon Area Block 241, Well No. 001ST00BP00.

Loop Currents can place environmental loading on both the station keeping system and riser system which can place these systems outside of operational limits. Walter will utilize the following procedure to monitor and anticipate negative effects of loop currents at MC 241, Well No. 001ST00BP00. The Ocean Voyager will be outfitted with a real-time current profiling system provided by Furgo Geos, which will notify Walter when certain limits might be reached.

Procedure:

1. A preliminary riser analysis shall be performed using the API current profile to determine a baseline maximum permissible current.
2. DODI will monitor the differential flex-jt angle and position rig to maintain a maximum of ½ degree differential. If differential angle cannot be maintained a ½ degree, the company representative will be notified and operations stopped until a specific plan is developed to continue with operations.
3. Loop current information will be updated on a minimum of a weekly basis. The information will include current profiles as well as surface currents.
4. The speed and direction of the current will be plotted and anticipated arrival of the loop current to the Ocean Voyager's location calculated.
5. If these calculations indicate the Ocean Voyager may be effected by a loop or eddy current, the current information will be sent with a work request to the DODI Technical Service department for analysis.
6. Riser analysis will be conducted using the data provided by Walter to determine the anticipated loading of the riser and project flex joint angles and displacement. Where analysis determines that riser limits could be reached that would exceed operational limits, a site specific plan on actions to be taken will be developed.
7. Mooring analysis will be conducted to determine anticipated stress on the mooring system. Where this analysis indicates that the load on any mooring line will exceed its proof load, a site specific plan will be developed.
8. If mooring tension reaches the proof load, operations will cease and preparations made to secure the well and displace the riser if possible.
9. If ball joint angle reaches 1-1/2° sustained, drilling operations will stop and preparations made to hang off the string.
10. If ball joint angle reaches 4°, the riser will be displaced with water and preparations will be made to disconnect from BOP stack and move off location.



United States Department of the Interior

MINERALS MANAGEMENT SERVICE

Gulf of Mexico OCS Region
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394



In Reply Refer To: MS 5231

December 12, 2006

Ms. Judy Archer
Walter Oil & Gas Corporation
1100 Louisiana
Suite 200
Houston, Texas 77002-5299

Dear Ms. Archer:

Reference is made to the following plan:

Control No. S-06977
Type Supplemental Exploration Plan
Received October 4, 2006
Lease(s) OCS-G 21750, Block 241, Mississippi Canyon Area

You are hereby notified that the approval of the subject plan has been granted as of November 17, 2006, in accordance with 30 CFR 250.233(b)(1).

This approval includes the activities proposed for Subsea Wells C and D.

Exercise caution while drilling due to indications of shallow gas and possible water flow.

In response to the request accompanying your plan for a hydrogen sulfide (H₂S) classification, the area in which the proposed drilling operations are to be conducted is hereby classified, in accordance with 30 CFR 250.490(c), as "H₂S absent."

In accordance with Notice to Lessees and Operators No. 2003-G03, conduct the two Remotely Operated Vehicle surveys you proposed in your plan. The first survey will be for the first well location approved under this plan which is actually drilled. The post-drilling survey can be conducted at the time you are preparing to leave this location. Submit both your survey reports within 60 days after the rig leaves the well location.

Our review of your plan indicates that your proposed activities are in the vicinity of the unidentified side-scan sonar target listed in the Enclosure, a feature that may represent a significant archaeological resource. In accordance with 30 CFR 250.194(b), you must either; (1) conduct an underwater archaeological investigation prior to commencing construction activities to determine whether this feature represents an archaeological resource; or (2) ensure that all seafloor disturbing actions resulting from the proposed activities (e.g., rig placement, derrick barge anchoring) avoid the unidentified feature by a distance greater than that listed in the Enclosure.

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IN AMERICA 

If you choose to avoid the feature, submit an as-built map at a scale of 1-inch = 1,000-feet with DGPS accuracy, showing the location of any seafloor disturbance (jack-up rig, barge anchors, etc.) relative to the feature to the Regional Supervisor, Field Operations, Plans Section (MS 5231), at the same time you submit your End of Operations report (Form MMS-125) to the appropriate MMS GOMR District Office. If you conduct an underwater archaeological investigation, contact either Dr. Jack Irion at (504) 736-1742 or Mr. David Ball at (504) 736-2859 at least two weeks prior to performing operations to obtain the investigation methodology.

If you have any questions or comments concerning this approval, please contact Elmo Cooper at (504) 731-7810.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lars T. Herbst', written over a horizontal line.

Lars T. Herbst
Acting Regional Supervisor
Field Operations

Enclosure

Enclosure

Side-Scan Sonar Targets

Area/ Block	Magnetometer Association	Dimensions LxWxH (Feet)	Coordinates	Minimum Avoidance
				Distance (Feet)
MC 241	NA	26x6x2	X= 1022466	300
			Y= 10428851	

Paul Rodriguez

From: Hoppe, Walter LT [Walter.R.Hoppe@uscg.mil]
Sent: Friday, December 15, 2006 7:48 AM
To: Chanek, Linda; VOYAGER_BC
Cc: Sohl, Lawrence LT; Carrera, Manuel MSS3
Subject: RE: Ocean Voyager - Extension on COC

Good morning,

Yes, I apologize for not sending this sooner, I got busy with some other projects and forgot to send this out.

Certificate of Compliance (COC) renewal for Ocean Voyager O.N. 8753366 was schedule with MSU Morgan City for 12 December, 2006, rescheduled for 13 December, 2006 due to weather, and again rescheduled for 29 December, 2006 due to weather.

The current COC expires on 14 December, 2006; however, because this was due to our inability to make the scheduled dates, and outside of the control of the vessel, we are granting a 30 day administrative extension to the COC, making the new expiration date 14 January 2007 to allow us time to reschedule and conduct the inspection. Keep a copy of this e-mail as proof of the extension. I will update the vessel record in our files to reflect the same.

Walter R. Hoppe LT, USCG
Marine Safety Unit Morgan City
Offshore Inspection Division
Ph: (985) 380-5363
Fax: (985) 380-5362

-----Original Message-----

From: lchanek@dodi.com [mailto:lchanek@dodi.com]
Sent: Wednesday, December 13, 2006 3:30 PM
To: Sohl, Lawrence LT; Hoppe, Walter LT; Carrera, Manuel MSS3
Subject: Ocean Voyager

I understand you were not able to conduct the COC inspection on the OCEAN VOYAGER yesterday or today due to fog. The COC is due to expire tomorrow. Rig said you would try to come out Dec. 29. Will you be giving an extension until then?

Linda Chanek
Regulatory Coordinator
Diamond Offshore Company
15415 Katy Freeway
Houston, Texas 77094
Ph: (281) 647-2259
Fax: (281) 647-2171

12/15/2006

**OCS-G 21750, Well No. 001ST00BP00, Block 241, Mississippi Canyon Area
Necessary Sacks of Barite to Maintain Onboard For Half Pound Weight Up**

Water Depth (0 for jackups)	2400
Pit Volume	1000
Riser Volume	1025
Total Surface Volume (bbl)	2025

Surface Hole Water-Based Mud

Casing Setting Depth (ft)	6100
MW at Casing Point (ppg)	10.2
Hole Size (in)	20
Required (sxs)	990

Production Interval Water-Based Mud

Casing Setting Depth (ft)	8665
MW at Casing Point (ppg)	12.5
Hole Size (in)	12.25
Required (sxs)	923

