

Scanning  
OCS G 28635  
SN 18566  
update

In Reply To: MS 5232

March 1, 2012

Mr. J. P. Slattery  
W & T Offshore, Inc.  
Nine E Greenway Plaza  
Suite 300  
Houston, Texas 77046

Dear Mr. Slattery:

Reference is made to the following application that has been reviewed by this office:

Application Type: New Right-of-Way for an Existing Pipeline  
Application Date: January 13, 2012  
Supplemental Data Date: February 9, 2012 and February 23, 2012  
Work Description: Create 200-foot wide Right-of-Way and operate, and maintain the following:

A 200-foot wide right of way to operate and maintain a 6 5/8-inch pipeline, 6.94 miles in length, to transport oil and water from the Federal/State boundary, in Block 69 through Blocks 64, 57 and 58 to Platform A, in Block 41. All located in Main Pass Area.

Assigned Right-of-Way Number: OCS-G28635  
Assigned Segment Number: 18566

Pursuant to 43 U.S.C. 1334(e) and 30 CFR 250.1000(d), your application is hereby approved.

You also request a departure from hydro-testing this pipeline prior to returning it to service. A hydro-test is not required if the pipeline is returned to service by August 1, 2012. If returned to service after this date a hydro-test is required.

Assigned MAOP (psi): 500  
MAOP Determination : Hydrostatic Test Pressure

Sincerely,

**(org. sgd.) F. Patton**

Nick Wetzel  
Regional Supervisor  
Regional Field Operations

bcc: 1502-01 Segment No. 18566, ROW OCS-G28635 (MS 5232)  
1502-01 ROW OCS-G28635 (Scanning) (MS 5033)

FPatton:ttg:3/1/2012:W&T-18566

SN/8596 | G 28635 FP  
→ Row  
Scanning

# W&T OFFSHORE

I N C O R P O R A T E D

January 13, 2012

Mr. Nick Wetzel  
Regional Supervisor  
Office of Regional Field Operations  
Bureau of Safety and Environmental Enforcement  
1201 Elmwood Park Boulevard  
New Orleans, Louisiana 70123

Minerals Management Service  
**RECEIVED**

JAN 17 2012

Office of Field Operations  
Pipeline Section

Attention: Mr. Alex Alvarado  
Pipeline Unit Supervisor

RE: **Application for ROW Grant and Reactivation of Existing Pipeline**  
Expired ROW OCS-G 21520, Segment No. 376 – 6-inch Oil/Water Pipeline  
Originating at the MP69, F/S Boundary and Terminating at the MP41, A Platform  
OCS Federal Waters, Gulf of Mexico Region, Offshore, Louisiana

Gentlemen:

Pursuant to Title 30 CFR, Part 250, Subpart J, W&T Offshore Inc. (GOM Company No. 1284), is hereby filing this application in quadruplicate to request a right-of-way, 200 feet in width, to cover the existing 6-inch oil/water pipeline (35,000 feet in length) that originates at the Main Pass Block 69 D platform in State Waters and Terminates at Main Pass Block 41 A platform in OCS Federal Waters. W&T agrees that said right-of-way, if approved, will be subject to the terms and conditions of the aforementioned regulations. Additional approval is requested to reactivate this same pipeline and bring it back into service.

The subject pipeline stopped flowing on August 2, 2011, when the source gas needed for gas lift to the platform started making water. W&T has evaluated the field and determined that the 6-inch oil/water pipeline still has utility.

As part of the reactivation of this line, we hereby request a departure of hydro-testing this line prior to bringing it back in service. The pipeline was shut-in less than 6 months ago and there is positive pressure on the line.

This application (and any amendments made hereto) is made with our full knowledge and concurrence with the OCS Lands Act (43 U.S.C. 1331, et seq) as amended (P.L. 106-580) including the following: SEC. 5(e) addressing pipeline right-of-ways, requirements of the Federal Energy Regulatory Commission relating to notice of hearing, transportation and purchase of oil and gas without discrimination; Sec. 5 (f)(1) addressing operation of pipelines in accordance with competitive principles, including open and non-discriminatory access to both owner and non-owner shippers; Sec. (f)(1); Sec. 5 (e) addressing the assuring of maximum environmental protection by utilization of the best available and safest technologies, including the safest practices for pipeline installation/burial; and Sec. 5 (f)(1)(B) which may require expansion of throughput capacity of any pipeline except for the Gulf of Mexico or the Santa Barbara Channel.

*W&T Offshore, Inc.*  
*Application for ROW Grant and Reactivation of Existing Pipeline*  
*Expired ROW OCS-G 21520, Segment No. 376*  
*January 13, 2012*

*Page 2*

Additionally, W&T Offshore, Inc. expressly agrees that if any site or object of historical or archeological significance should be discovered during the conduct of any operations within the permitted right-of-way, W&T Offshore, Inc. shall report immediately such findings to the Director, Gulf of Mexico OCS Region, and make every reasonable effort to preserve and protect the cultural resource from damage until said Director has given directions as to its preservation or disposition.

Applicant agrees to be bound by the aforementioned regulations, and further agrees to comply with the applicable stipulations set forth in the OCS Oil and Gas Leasing Procedures, Section VII, Pipeline Right-of-Ways dated October 2001.

In accordance with 30 CFR 250.1011(a)(1), W&T Offshore has on file a \$300,000.00 Right-of-Way Bond covering right-of-way pipelines in OCS Federal Waters, Gulf of Mexico.

In support of our application, and to assist in the expeditious review and approval of this application, the following supporting documentation is enclosed and made part of this application letter:

- Pipeline Route Map
- Non-Discrimination in Employment Stipulation
- Proof of payment in the amount of \$2,569.00 covering application

If you have any questions or require additional information, please contact Valerie Land at 713-624-7272 or by email at [vland@wtoffshore.com](mailto:vland@wtoffshore.com).

Sincerely,

*W&T Offshore Inc.*

A handwritten signature in blue ink that reads "J. P. Slattery". The signature is written in a cursive style with a long horizontal stroke at the end.

J. P. Slattery  
Senior Vice President

JPS/vdl  
Enclosures

**U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT,  
REGULATION AND ENFORCEMENT**

**NON-DISCRIMINATION IN EMPLOYMENT**

As a condition precedent to the approval of granting the subject pipeline right-of-way, the grantee, W&T Offshore Inc. (GOM No. 01284), hereby agrees and consents to the following stipulation which is to be incorporated into the application for said right-of-way.

During the performance of this grant, the grantee agrees as follows:

The grantee shall fully comply with paragraphs (1) through (7) of Section 202 of Executive Order 11246, as amended (reprinted in Title 41 CFR 60-1.4(a)), which are for the purpose of preventing discrimination against persons on the basis of race, color, religion, sex or national origin. Paragraphs (1) through (7) of Section 202 of Executive Order 11246, as amended, are incorporated in this grant by reference.

**W&T Offshore Inc.**

A handwritten signature in blue ink, appearing to read "J.P. Slattery", written over a horizontal line.

Date: January 13, 2012

## Online Payment

## Online Payment

## Step 3: Confirm Payment

1 | 2 | 3

Thank you.

Your transaction has been successfully completed.

## Pay.gov Tracking Information

Application Name: BSEE Pipeline ROW Grant Application - CI/RG

Pay.gov Tracking ID: 255EQS5R

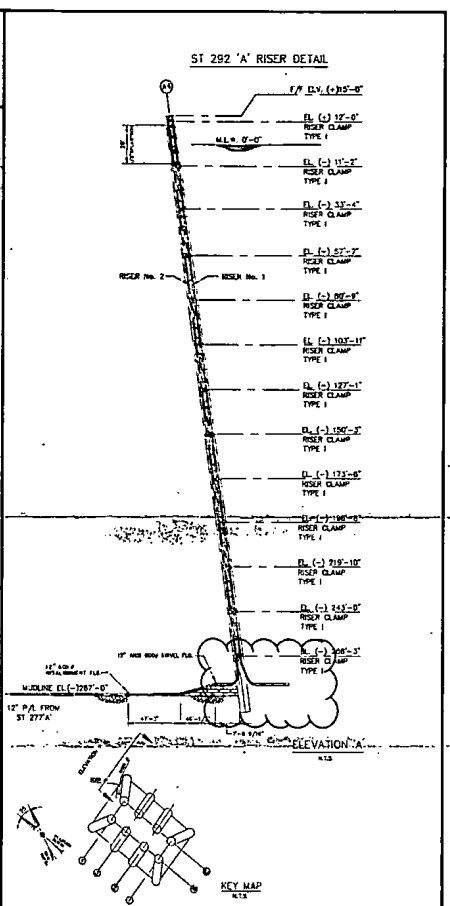
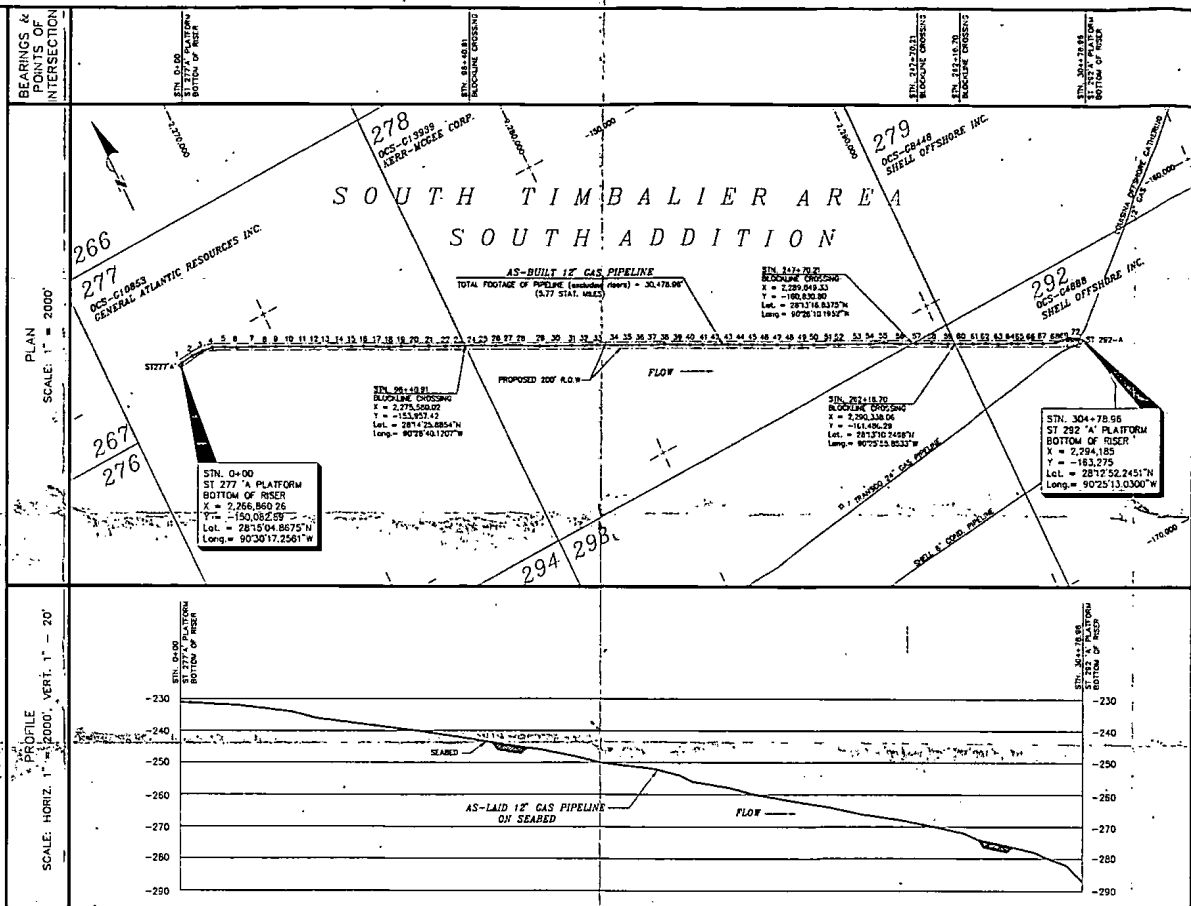
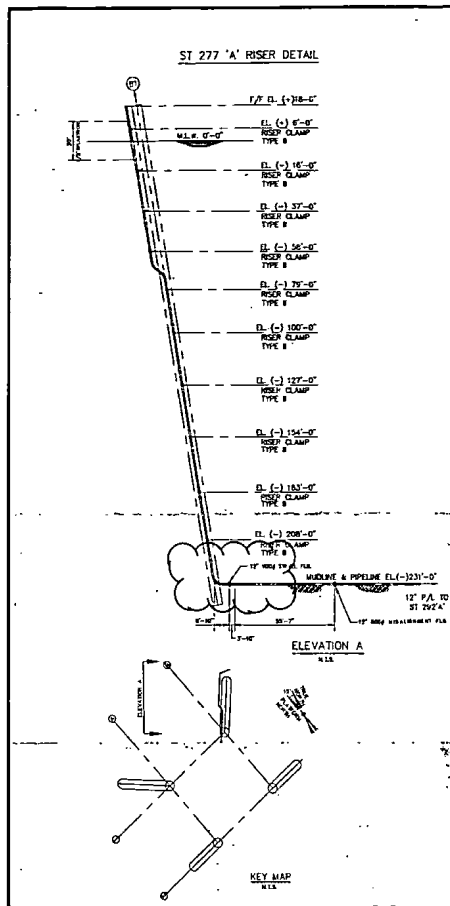
Agency Tracking ID: 74271518908

Transaction Date and Time: 01/13/2012 10:28 EST

## Payment Summary

Address Information	Account Information	Payment Information
<b>Account Holder Name:</b> Maria Garvin 9 E. Greenway <b>Billing Address:</b> Plaza <b>Billing Address 2:</b> Suite 300 <b>City:</b> Houston <b>State / Province:</b> TX <b>Zip / Postal Code:</b> 77046 <b>Country:</b> USA	<b>Card Type:</b> American Express <b>Card Number:</b> *****2496 <b>Region :</b> Gulf of Mexico <b>Contact:</b> Valerie Land 713-624-7272 <b>Company /Co</b> WT Offshore, No: Inc. 01284 <b>Originating Main Pass MP, Area/Block:</b> 69 <b>Terminating Main Pass MP, Area/Block:</b> 41 <b>Pipeline Length/Rental</b> 35000.00 <b>Years:</b>	<b>Payment Amount:</b> \$2,569.00 <b>Transaction Date</b> 01/13/2012 <b>and Time:</b> 10:28 EST

Do you want to  a new plastic card?



AS-BUILT 12" GAS PIPELINE FROM ST 277 'A' BOTTOM OF RISER TO ST 292 'A' BOTTOM OF RISER

POINT	X COORD.	Y COORD.	POINT	X COORD.	Y COORD.
1	2,266,860.26	-150,032.98	37	2,281,193	-158,838
2	2,266,899	-150,088	38	2,281,583	-157,010
3	2,267,283	-150,051	39	2,281,855	-157,218
4	2,267,648	-150,075	40	2,282,342	-157,418
5	2,268,013	-150,137	41	2,282,721	-157,602
6	2,268,368	-150,301	42	2,283,094	-157,786
7	2,268,714	-150,513	43	2,283,481	-157,956
8	2,269,188	-150,778	44	2,283,862	-158,187
9	2,269,574	-150,925	45	2,284,228	-158,378
10	2,270,108	-151,003	46	2,284,800	-158,563
11	2,270,329	-151,307	47	2,284,968	-158,732
12	2,271,060	-151,689	48	2,285,345	-158,956
13	2,271,428	-151,866	49	2,285,723	-159,143
14	2,271,814	-152,074	50	2,286,087	-159,134
15	2,272,186	-152,250	51	2,286,507	-159,547
16	2,272,552	-152,431	52	2,286,853	-159,728
17	2,272,828	-152,837	53	2,287,368	-160,001
18	2,273,297	-152,837	54	2,287,784	-160,190
19	2,273,682	-153,003	55	2,288,223	-160,371
20	2,274,057	-153,191	56	2,288,681	-160,832
21	2,274,501	-153,419	57	2,289,190	-160,998
22	2,274,992	-153,687	58	2,289,654	-161,118
23	2,275,370	-153,876	59	2,290,128	-161,261
24	2,275,780	-154,054	60	2,290,525	-161,590
25	2,276,118	-154,228	61	2,290,900	-161,771
26	2,276,486	-154,425	62	2,291,292	-161,861
27	2,276,867	-154,598	63	2,291,681	-162,122
28	2,277,251	-154,808	64	2,292,063	-162,338
29	2,277,788	-155,114	65	2,292,246	-162,438
30	2,278,278	-155,301	66	2,292,624	-162,820
31	2,278,784	-155,584	67	2,293,190	-162,945
32	2,279,130	-155,783	68	2,293,414	-163,026
33	2,279,567	-155,875	69	2,293,630	-163,053
34	2,280,071	-156,266	70	2,293,853	-163,099
35	2,280,447	-156,458	71	2,294,077	-163,128
36	2,280,827	-156,847	72	2,294,097	-163,224
			ST 292 'A' BOTTOM OF RISER	2,294,183	-163,275

TOTAL FOOTAGE (excluding steers) = 30,478.00'

PIPE CODE	APR 5, 1-52 ERW
LOCATION CLASSIFICATION	CLASS 1
CORROSION COATING	FUSION BONDED EPOXY
WEIGHT COATING	1/4" CONCRETE (40#/FT <sup>2</sup> )
ANNODES	NOMINALLY 100 TYPING
TRENCH DEPTH	NO BURY
HYDROSTATIC TEST	2250 PSIG
MAAP	1442 PSIG

GENERAL NOTES	LEGEND	REFERENCE DRAWINGS
1. COORDINATES FOR ST 277 'A' BOTTOM OF RISER TAKEN FROM CONSTRUCTION DRAWINGS AND SURVEYED BY OTHERS. VERIFIED THIS SURVEY.	AS-BUILT PIPELINE	1. PINNACLE ENGINEERING, INC. RISER DETAILS SHEET 1 OF 2
2. COORDINATES FOR ST 292 'A' BOTTOM OF RISER DERIVED FROM WELL COORDINATES. VERIFIED THIS SURVEY.	EXISTING PIPELINE	2. PINNACLE ENGINEERING, INC. RISER DETAILS SHEET 2 OF 2
3. PIPELINE LAID OUTSIDE OF ROW NEAR ST 292 'A' PLATFORM TO FACILITATE LAY BARGE APPROACH INTO RISER LOCATION.	WELL LOCATION	3. PINNACLE ENGINEERING, INC. RISER DETAILS ST 277
	PLATFORM	
	BLOCKAGES & NUMBERS	
	LINE TAP	

PIPELINES & UTILITY CROSSINGS				
STATION	SIZE	COVER	CLR.	OWNER

UNITS: U.S. SURVEY FEET	FALSE EASTING: 2,000,000.0	APPROVAL
PROJECTION: LAMBERT	FALSE NORTHING: 0.0	
ZONE: LOUISIANA SOUTH	POSITIONING SYSTEM: DOPS	DRAWN BY: S.A.R.
DATA: MADI 97	LAY BARGE: LB 280	DATE: 12/28/94
SPHEROID: CLARKE 1866	SURVEY DATES: OCT./NOV. 1994	CHECKED: N.A.C.
CENTRAL MERIDIAN: 91°00'00" W	D.P. REF.: 1452	DATE: 12/19/94
UPPER PARALLEL: 30°47'00" N	JOB NO.: 1657-L3	REVISION: S.A.R.
LOWER PARALLEL: 29°18'00" N	DRAWING NO.: DR21432	DATE: 3/3/95
ORION LATITUDE: 28°40'00" N		REVISION: S.A.R.
		DATE: 3/11/95

I hereby certify that this plot has been prepared following generally accepted professional standards for offshore surveys and represents the horizontal positions of the pipeline.

**KEITH A. COOD**  
4660  
3/8/95

**LOUISIANA OFFSHORE GATHERING SYSTEM**

AS-BUILT 12" GAS PIPELINE

SOUTH TIMBALIER AREA

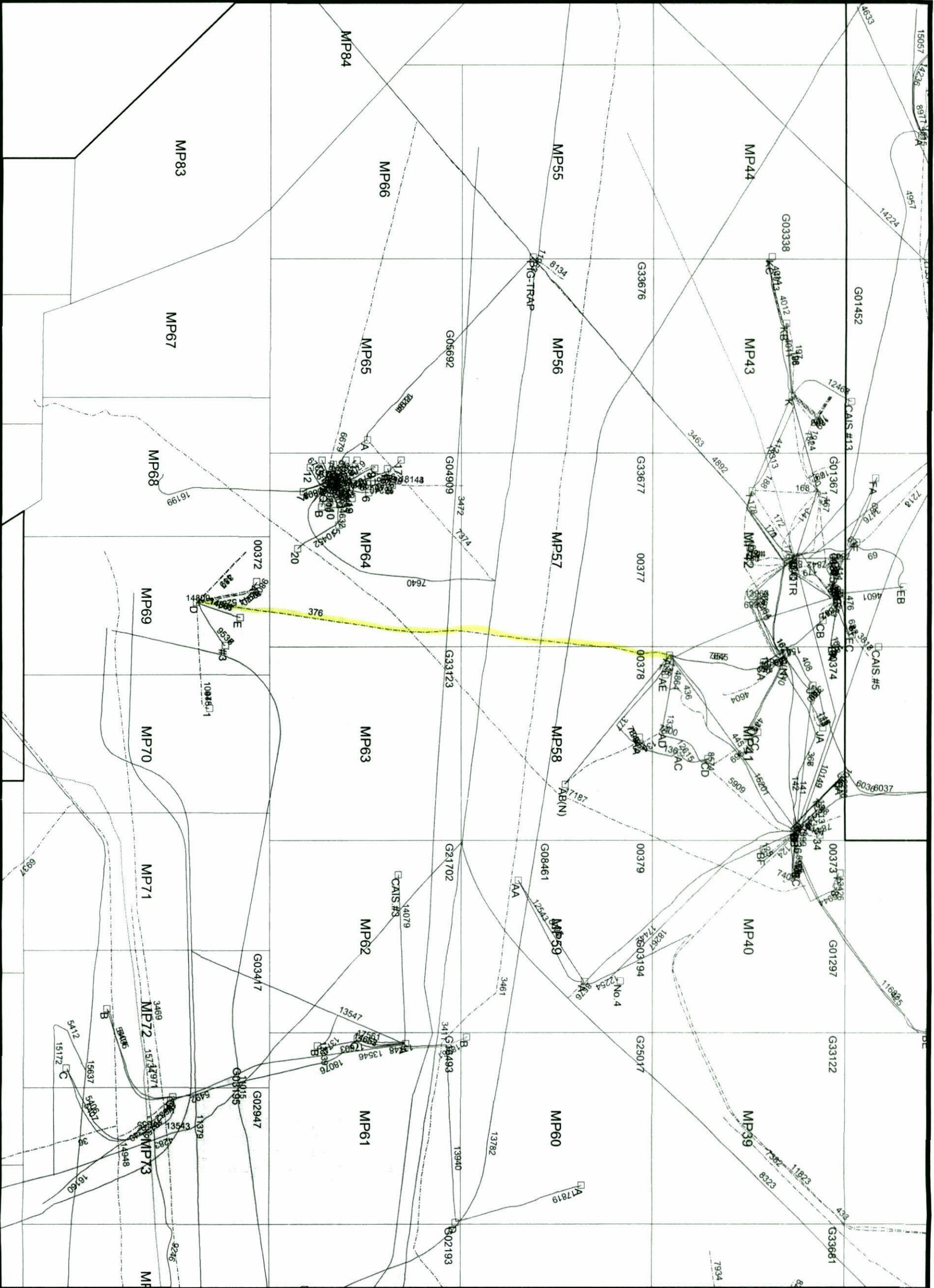
BLOCKS 277 - 292

SHEET 1 OF 1

MP 0069

MP 0069

Default:  
 NEW  
 Other



Lambert, Louisiana South



Scale: 1 inch : 7,551 feet

# W&T OFFSHORE

I N C O R P O R A T E D

January 13, 2012

**\*\*Amended 02/09/2012\*\***

Mr. Nick Wetzel  
Regional Supervisor  
Office of Regional Field Operations  
Bureau of Safety and Environmental Enforcement  
1201 Elmwood Park Boulevard  
New Orleans, Louisiana 70123

Minerals Management Service  
**RECEIVED**

FEB 15 2012

Office of Field Operations  
Pipeline Section

Attention: Mr. Alex Alvarado  
Pipeline Unit Supervisor

RE: **Application for ROW Grant and Reactivation of Existing Pipeline**  
Expired ROW OCS-G 21520, Segment No. 376 – 6-inch Oil/Water Pipeline  
Originating at the MP69, F/S Boundary and Terminating at the MP41, A Platform  
OCS Federal Waters, Gulf of Mexico Region, Offshore, Louisiana

Gentlemen:

Pursuant to Title 30 CFR, Part 250, Subpart J, W&T Offshore Inc. (GOM Company No. 1284), is hereby filing this application in quadruplicate to request a right-of-way, 200 feet in width, to cover the existing 6-inch oil/water pipeline (35,000 feet in length) that originates at the Main Pass Block 69 D platform in State Waters and Terminates at Main Pass Block 41 A platform in OCS Federal Waters. W&T agrees that said right-of-way, if approved, will be subject to the terms and conditions of the aforementioned regulations. Additional approval is requested to reactivate this same pipeline and bring it back into service.

The subject pipeline stopped flowing on August 2, 2011, when the source gas needed for gas lift to the platform started making water. W&T has evaluated the field and determined that the 6-inch oil/water pipeline still has utility.

As part of the reactivation of this line, we hereby request a departure of hydro-testing this line prior to bringing it back in service. The pipeline was shut-in less than 6 months ago and there is positive pressure on the line.

This application (and any amendments made hereto) is made with our full knowledge and concurrence with the OCS Lands Act (43 U.S.C. 1331, et seq) as amended (P.L. 106-580) including the following: SEC. 5(e) addressing pipeline right-of-ways, requirements of the Federal Energy Regulatory Commission relating to notice of hearing, transportation and purchase of oil and gas without discrimination; Sec. 5 (f)(1) addressing operation of pipelines in accordance with competitive principles, including open and non-discriminatory access to both owner and non-owner shippers; Sec. (f)(1); Sec. 5 (e) addressing the assuring of maximum environmental protection by utilization of the best available and safest technologies, including the safest practices for pipeline installation/burial; and Sec. 5 (f)(1)(B) which may require expansion of throughput capacity of any pipeline except for the Gulf of Mexico or the Santa Barbara Channel.



W&T Offshore, Inc.

Application for ROW Grant and Reactivation of Existing Pipeline

Expired ROW OCS-G 21520, Segment No. 376

January 13, 2012

Page 2

Additionally, W&T Offshore, Inc. expressly agrees that if any site or object of historical or archeological significance should be discovered during the conduct of any operations within the permitted right-of-way, W&T Offshore, Inc. shall report immediately such findings to the Director, Gulf of Mexico OCS Region, and make every reasonable effort to preserve and protect the cultural resource from damage until said Director has given directions as to its preservation or disposition.

Applicant agrees to be bound by the aforementioned regulations, and further agrees to comply with the applicable stipulations set forth in the OCS Oil and Gas Leasing Procedures, Section VII, Pipeline Right-of-Ways dated October 2001.

In accordance with 30 CFR 250.1011(a)(1), W&T Offshore has on file a \$300,000.00 Right-of-Way Bond covering right-of-way pipelines in OCS Federal Waters, Gulf of Mexico.

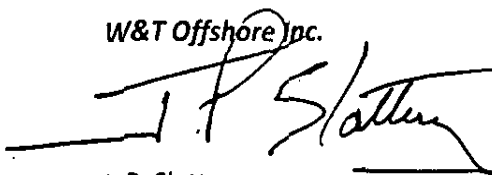
In support of our application, and to assist in the expeditious review and approval of this application, the following supporting documentation is enclosed and made part of this application letter:

- Technical Write-up to include the Safety Flow Diagram
- Pipeline Route Map
- Non-Discrimination in Employment Stipulation
- Proof of payment in the amount of \$2,569.00 covering application

If you have any questions or require additional information, please contact Valerie Land at 713-624-7272 or by email at [vlnd@wt offshore.com](mailto:vlnd@wt offshore.com).

Sincerely,

W&T Offshore Inc.

A handwritten signature in black ink, appearing to read "J. P. Slattery", written over a horizontal line.

J. P. Slattery  
Senior Vice President

JPS/vdl  
Enclosures

**W & T OFFSHORE, INC.**

**MAIN PASS BLOCK 69 "D"**

**TO**

**MAIN PASS BLOCK 41 "A"**

**PIPELINE PERMIT**

**6.625" O.D. BULK OIL**

**REVISION A**

**TEC PROJECT NO. 11222**

**PREPARED BY:**

**TECHNICAL ENGINEERING CONSULTANTS, LLC  
401 WHITNEY AVENUE, SUITE 600  
GRETNA, LOUISIANA 70056  
(504) 362-0896**

**TECHNICAL ENGINEERING CONSULTANTS**

**GENERAL INFORMATION & CALCULATIONS**  
**6.625" O.D. BULK OIL PIPELINE REACTIVATION**  
**MAIN PASS BLOCK 69 "D"**  
**TO**  
**MAIN PASS BLOCK 41 "A"**  
**TEC PROJECT NO. 11222**  
**REVISION A**  
**FEBRUARY 8, 2012**

The existing 6" pipeline, Segment No. 18566 / ROW OCS-G-28635, interconnects W&T Offshore's Main Pass Block 69 "D" platform to Chevron USA, Inc.'s Main Pass Block 41 "A" platform. The design capacity of the pipeline was based on the following anticipated flow rates:

Oil	350 BPD
Maximum water depth	(-) 50 ft. MSL

The design of the proposed pipeline is in accordance with DOI (BOEMRE) 30 CFR Part 250 Subparts H and J, ANSI B16.5 and ASME B31.4. Each code or regulation was applied within the intended scope of the proposed design.

**1. Description of the cathodic protection system:**

The cathodic protection system for the pipeline uses Galvalum III Alloy tapered semi-cylindrical bracelet anodes. Calculations are as follows:

- a. Anticipated line life is 20 years.
- b. Assumed maximum of 2% bare pipe.
- c. Current 6 mA/sq. ft
- d. Galvalum III Alloy Rate of Consumption 8#/amp year
- e. Anode spacing calculations:

$$\begin{aligned}\text{Area/Mile} &= 5,280 \text{ ft./mi.} \times 3.14 \times (6.625"/12 \text{ ft.}) \\ &= 9,158 \text{ sq.ft./mi}\end{aligned}$$

$$\begin{aligned}\text{Amps} &= 9,158 \text{ sq.ft./mi.} \times 0.02 \times 0.006 \text{ amps/sq. ft.} \\ &= 1.10 \text{ amps/mi.}\end{aligned}$$

Line Life = 1.10 amps/mi. x 20 = 22 amp yr./mi.

#/mile = 22 amp yr./mi. x 8#/amp yr.

= 176 #/mile

Anode quantity = (176/mi)/32# = 5.5 anodes/mi.

Anode spacing = (5280 ft./mi.)/(5.5 anodes/mi.) = 960 ft./anode

Use on (1) 32# (net) Galvalum III Alloy anode every 960 feet

**2. Description of the internal protective measures:**

Internal coating is not required. The analysis of transported products will be monitored and preventative measures will be employed as necessary.

**3. Specific gravity of the 6.625" line pipe (empty):**

Specific gravity of 6.625" OD x 0.280" W.T. empty pipe = 1.23

Calculated as follows:

The line pipe weighs 18.97 lbs./LF.

The pipe displaces [AREA(sq. in.)/144] x 62.4 x 1.03 = 15.39# seawater/ft.

Specific gravity of pipeline = 18.97 / 15.39 = 1.23

The weight of coatings, anodes, and other materials was not considered in these calculations.

**4. Maximum source pressure (MSP)**

MSP for the pipeline  $\leq$  500 psig. The pipeline shall be protected at W&T Offshore's Main Pass Block 69 "D" caisson by the following: One (1) high pressure monitoring device, set at a maximum of 15% above the normal operating pressure, but in no case shall it be set above the maximum allowable operating pressure of the pipeline; and one (1) low pressure monitoring device, set at 15% below the normal operating pressure. The effect of any pressure exceeding either limit will cause the automatic and orderly shutdown of the pumps feeding the pipeline.

5. Maximum allowable operating pressure (MAOP) and calculations:

The existing 6" pipeline portion is approximately 35,000 feet (6.6mi) in horizontal length. This does not include the approximate 200 feet of total vertical riser pipe used for the platforms. The pipeline will transport oil (API 37 S.G. = 0.84). The pipeline design pressure is 500 psig.

- a. Riser Pipe: 6.625" O.D. x 0.280" W.T. API 5L Grade B seamless; Please note that the material grade for the riser pipe, which was originally installed in 1959, is unknown. Grade B was assumed to be conservative.

$$t = PD/2SFET + C.A.$$

t = minimum wall thickness (inches)

$$t = 500 (6.625)/2(35,000)(0.6) \\ (1.0)(1.0) + C.A.$$

P = internal design pressure (psig)

P = 500 psig

$$t = 0.079" + 0.05"$$

D = nominal outside diameter (inches)

D = 6.625"

$$t = 0.129" \text{ (minimum)}$$

S = SMYS [ASME B31.4]

S = 35,000 psi

T = Temperature Factor

T = 1.0 [ASME B31.4, < 250°F]

E = Joint Factor

E = 1.0

F = Design Factor [30 CFR Part 250]

F = 0.6

C.A. = Corrosion Allowance

C.A. = 0.05"

- b. Line Pipe: 6.625" O.D. x 0.280" W.T. API 5L Grade B seamless; Please note that the material grade for the line pipe, which was originally installed in 1959, is unknown. Grade B was assumed to be conservative.

$$t = PD/2S FET + C.A.$$

t = minimum wall thickness (inches)

$$t = 500 (6.625)/2(35,000)(0.72) \\ (1.0)(1.0) + C.A.$$

P = internal design pressure (psig)

$$t = 0.066" + 0.05"$$

P = 500 psig

$$t = 0.116" \text{ (minimum)}$$

D = nominal outside diameter (inches)

$$D = 6.625"$$

S = SMYS [ASME B31.4]

S = 35,000 psi

T = Temperature Factor

T = 1.0 [ASME B31.4, < 250°F]

E = Joint Factor

E = 1.0

F = Design Factor [30 CFR Part 250]

F = 0.72

C.A. = Corrosion Allowance

C.A. = 0.05"

- c. 6.625" Riser & Line 5D Bends: 6.625" OD x 0.280" WT, API 5L Gr. B

Anticipated wall thinning = 8.00% (from Table 1-1 of TPA-IBS-98)

Calculated wall thickness of a 5D bend:

$$t_{\text{post bending}} = 0.280" - 0.08 (0.280")$$

$$t_{\text{post bending}} = 0.258"$$

$t_{\text{post bending}} \geq t_{\text{minimum}}$  for both the riser (0.129") and line pipe (0.116") calculations; therefore, it is sufficient for MAOP = 500 psig.

- d. Riser Valves and Flanges: Valves and flanges are ANSI 600 with a rated working pressure of 1,440 psig at 100°F.

**6. Hydrostatic test pressure (HTP), test medium, and period of time:**

Riser and line pipe hydrostatic test pressure, to be tested riser to riser:

In accordance with DOI 30 (BOEMRE) CFR Part 250 Subparts H & J

$$\text{HTP} = 1.25 \times \text{MAOP} = 1.25 \times 500 \text{ psig}$$

$$\text{HTP} = 625 \text{ psig}$$

The hydrostatic test will be conducted in accordance with applicable regulations. Test duration will be a minimum of eight (8) hours per 30 CFR Part 250.1003(b)(1). The test medium will be inhibited seawater. The test pressure is not greater than 95% of the hoop stress pressure using 100% of the steel's SMYS.

a. Riser and Line Pipe (Worst Case):

$$P = 2St/D$$

$$= 2(0.280)(35,000)/6.625''$$

$$= 2,958 \text{ psig}$$

$$95\% \text{ of } P = 2,958 \text{ psig} > 625 \text{ psig}$$

P = max. hoop stress pressure (psig)

t = nominal wall thickness (inches)

S = SMYS = 35,000 psi

D = nominal outside diameter (inches)

b. Hydrotest:

W&T Offshore, Inc. will hydrotest the risers and the pipeline to 625 psig for 8 hours (min.) from top of riser to top of riser.

**7. Type of protection to the risers and crossing pipelines:**

The riser at W&T Offshore's Main Pass Block 69 "D" platform is installed inside of the boat landing for protection. The riser at Chevron USA, Inc.'s Main Pass Block 41 "A" is installed inside of the jacket for protection.

The existing pipeline crosses Chevron USA's 8.625" Pipeline Segment No. 17187.

## PIPELINE SUMMARY

1. Line Pipe Specifications:

<u>O.D.</u>	<u>W.T.</u>	<u>Material Spec.</u>	<u>Length</u>	<u>MAOP</u>
6.625"	0.280"	API 5L Grade B SMLS	35,000 ft.	500 PSIG

2. Riser Pipe Specifications:

<u>O.D.</u>	<u>W.T.</u>	<u>Material Spec.</u>	<u>Length</u>	<u>MAOP</u>
6.625"	0.280"	API 5L Grade B SMLS	200 ft.	500 PSIG

3. Pipeline Hydrostatic Test Pressure:

Riser and Line Pipe = 625 psig for 8 hours

4. Name of Product:

Oil (S.G. = 0.84)

5. Class Location:

Class 1

6. Governing Codes:

DOI 30 CFR Part 250 Subparts H and J, ANSI B16.5, and ASME B31.4

Application by:  
W&T Offshore, Inc.  
February 8, 2012  
Revision A

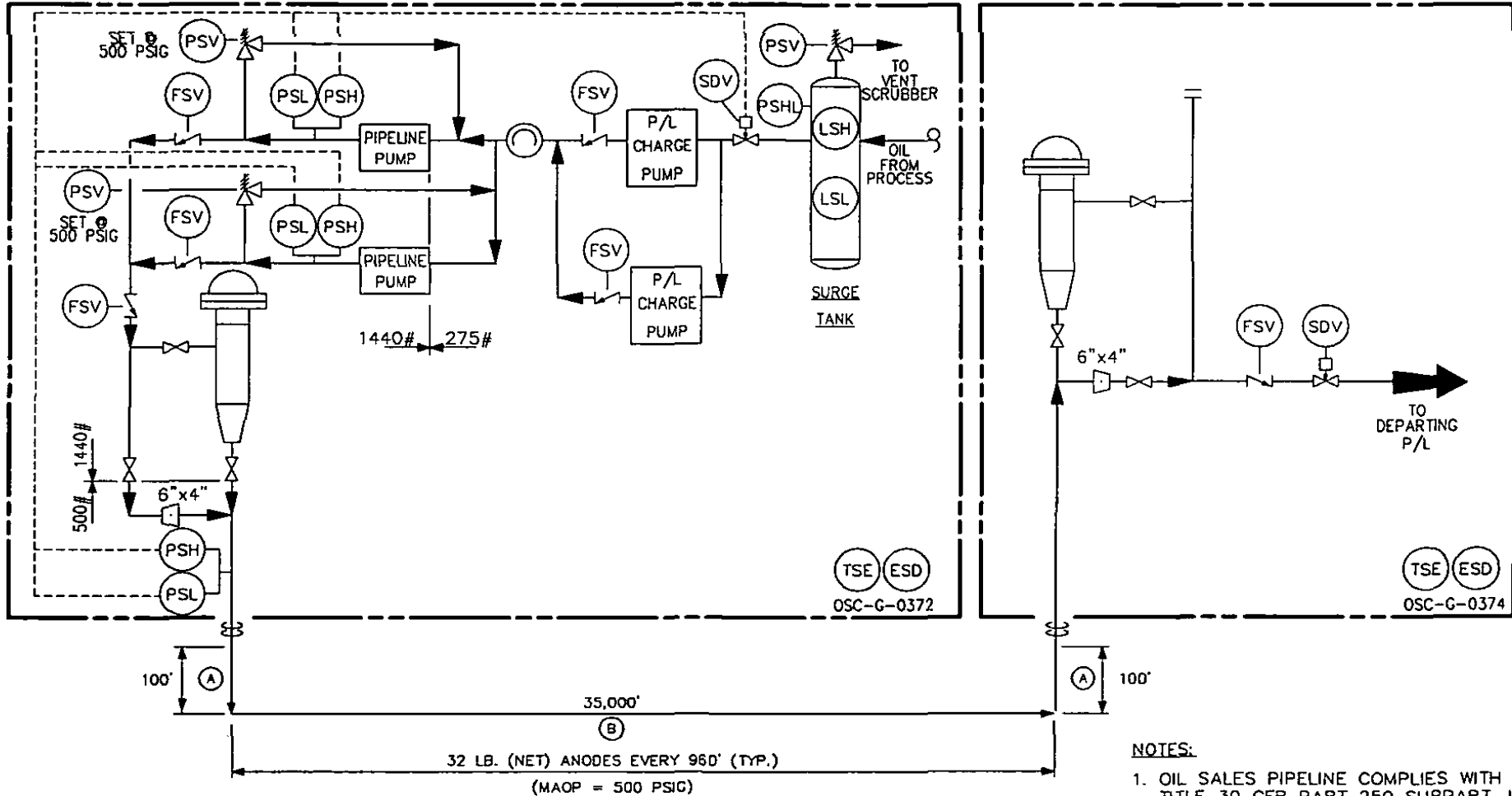
6.625" O.D. Bulk Oil Pipeline  
Main Pass Block 69 "D"  
To  
Main Pass Block 41 "A"  
Gulf of Mexico

- SUMMARY -



W&T OFFSHORE, INC.  
MAIN PASS BLOCK 69 "D"

CHEVRON  
MAIN PASS BLOCK 41 "A"



RISER (A) 6.625" O.D. X 0.280" W.T. API 5L GRADE B\*  
PIPELINE (B) 6.625" O.D. X 0.280" W.T. API 5L GRADE B\*

\* THE MATERIAL GRADE FOR THE RISER AND PIPELINE, WHICH WAS ORIGINALLY INSTALLED IN 1959, IS UNKNOWN. GRADE B WAS ASSUMED TO BE CONSERVATIVE.

NOTES:

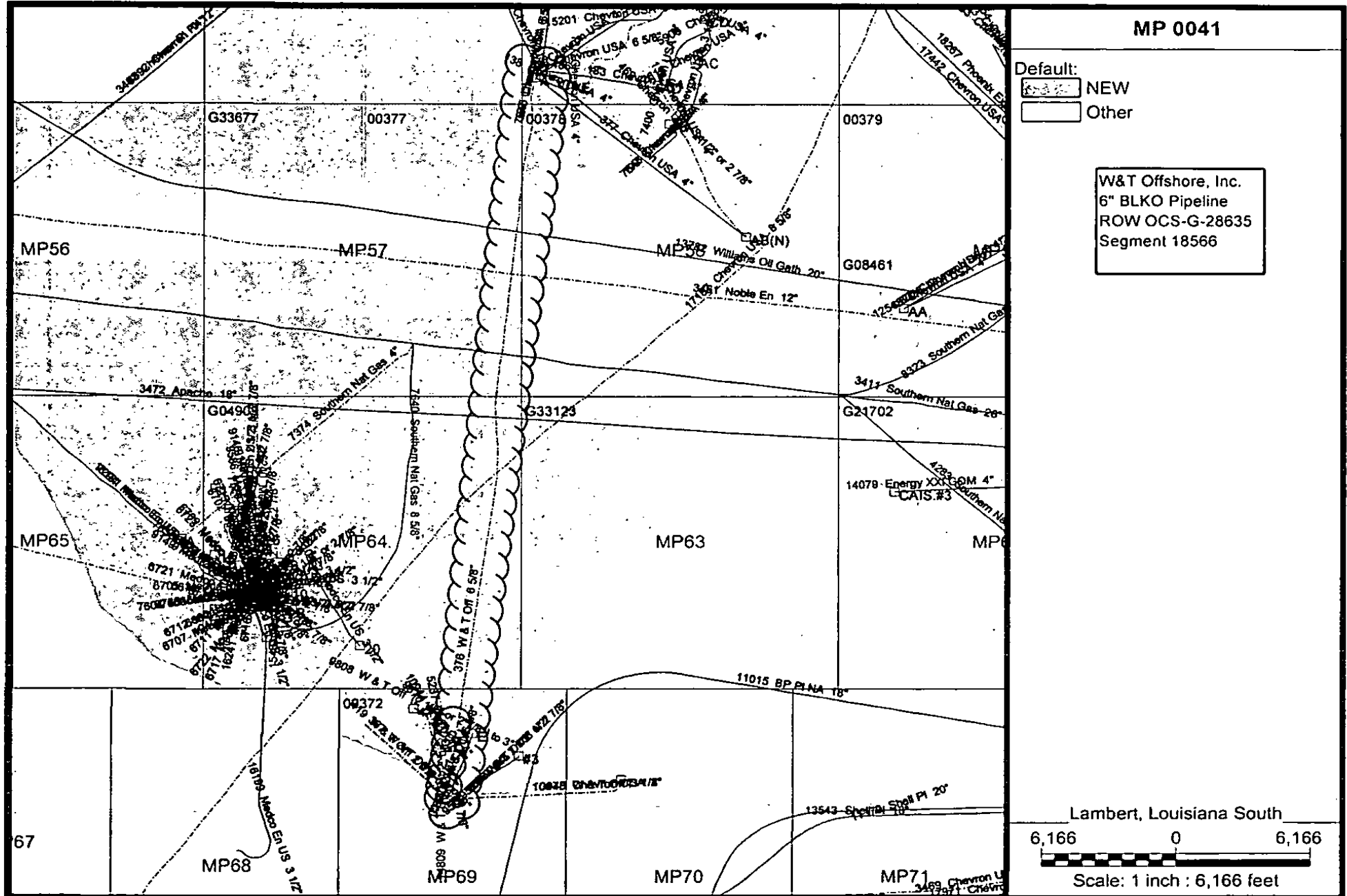
- OIL SALES PIPELINE COMPLIES WITH D.O.I. TITLE 30 CFR PART 250 SUBPART J.
- CODES & SPECIFICATIONS:  
VALVES & FITTINGS                      ANSI B16.5  
PIPELINE                                      ANSI B31.4

EXISTING 6" BULK OIL PIPELINE  
MAIN PASS BLOCK 69 "D"  
INTERCONNECT TO MAIN PASS BLOCK 41 "A"  
GULF OF MEXICO

APPLICATION BY:  
W&T OFFSHORE INC.  
HOUSTON, TEXAS  
FEBRUARY 8, 2012

REV. **A**

# MP 0041



**W & T Offshore, Inc.**  
 Nine Greenway Plaza  
 Suite 300  
 Houston, Texas 77046

GOM COMPANY#: 1284

Texas Corporation  
 Modified: 25-Sep-09  
 Approved: 31-May-88

**AUTHORIZED TO CONDUCT  
 THE FOLLOWING BUSINESS:**

OIL & GAS: Yes ✓  
 RIGHTS-OF-WAY: Yes ✓  
 ALTERNATIVE ENERGY: No

**AREAWIDE BONDS:**

3M DEVEL: Yes  
 1M EXPL: No  
 300K AREAWIDE: No  
 PIPELINE: Yes  
 Supplemt Exempt: Yes

EEO Plan: Yes 20-Sep-02  
 Debarment: Yes 20-Sep-02

Qualification documents received 5/31/88. Articles of Conversion converting W & T Offshore, Inc. into W & T Offshore, Inc. received 5/10/2004. Articles of Merger of Offshore Energy I LLC into W & T Offshore, Inc. received 5/7/09. Articles of Merger of Offshore Energy II LLC into W & T Offshore, Inc. received 5/7/09. Articles of Merger of Offshore Shelf LLC into W&T Offshore, Inc. received 5/7/09. Articles of Merger of Offshore Energy III LLC into W&T Offshore, Inc. received 5/7/09. Articles of Merger of Gulf of Mexico Oil and Gas Properties LLC into W&T Offshore, Inc. received 5/7/09.

The Company's name can appear as either W & T Offshore, Inc. (with spaces before and after the ampersand) or W&T Offshore, Inc. (without spaces before and after the ampersand) on documents filed with the MMS.

MMS Filings: Gieger Laborde & Laperouse, L.L.C.

NAME	TITLE	EXPIR. DATE
J. Durrant	Senior Vice President	
J. F. Freel	Secretary	
Thomas F. Getten	Vice President	
Tracy W. Krohn	Chief Executive Officer	
W. Reid Lea	Executive Vice President	
S. L. Schroeder	Chief Operating Officer	
J. P. Slattery ✓	Senior Vice President	
Jamie L. Vazquez	President	

RESOLVED, that the following officers of W & T Offshore, Inc., a Texas corporation, (the "Company"), is hereby individually empowered on behalf of the Company, in any matter relating to Federal lands or minerals or other rights under the supervision of Federal authority to agree upon the terms of and to execute and deliver any instrument or agreement pertaining to oil and gas leases and pipeline rights-of-way, including any application, bid, lease, bond, assignment, relinquishment, or other paper, including the issuing or revoking of Powers of Attorney:

- Chief Executive Officer
- Secretary
- President
- Executive Vice President
- Chief Operating Officer
- Senior Vice President
- Vice President

**W & T Offshore, Inc.**

Nine Greenway Plaza

Suite 300

Houston, Texas 77046

**GOM COMPANY#: 1284**

Texas Corporation

Modified: 25-Sep-09

Approved: 31-May-88

**AUTHORIZED TO CONDUCT  
THE FOLLOWING BUSINESS:**

OIL & GAS: Yes

RIGHTS-OF-WAY: Yes

ALTERNATIVE ENERGY: No

**AREAWIDE BONDS:**

3M DEVEL: Yes

1M EXPL: No

300K AREAWIDE: No

PIPELINE: Yes

Supplemt Exempt: Yes

EEO Plan: Yes 20-Sep-02

Debarment: Yes 20-Sep-02

**W & T Offshore, Inc.**

**GOM COMPANY#: 1284**

# W&T OFFSHORE

INTERNATIONAL OPERATIONS

January 13, 2012

**\*\*Amended 02/23/2012\*\***

Mr. Nick Wetzel  
Regional Supervisor  
Office of Regional Field Operations  
Bureau of Safety and Environmental Enforcement  
1201 Elmwood Park Boulevard  
New Orleans, Louisiana 70123

Attention: Mr. Alex Alvarado  
Pipeline Unit Supervisor

FEB 27 2012

RE: **Application for ROW Grant and Reactivation of Existing Pipeline**  
Expired ROW OCS-G 21520, Segment No. 376 – 6-inch Oil/Water Pipeline  
Originating at the MP69, F/S Boundary and Terminating at the MP41, A Platform  
OCS Federal Waters, Gulf of Mexico Region, Offshore, Louisiana

Gentlemen:

Pursuant to Title 30 CFR, Part 250, Subpart J, W&T Offshore Inc. (GOM Company No. 1284), is hereby filing this application in quadruplicate to request a right-of-way, 200 feet in width, to cover the existing 6-inch oil/water pipeline (35,000 feet in length) that originates at the Main Pass Block 69 D platform in State Waters and Terminates at Main Pass Block 41 A platform in OCS Federal Waters. W&T agrees that said right-of-way, if approved, will be subject to the terms and conditions of the aforementioned regulations. Additional approval is requested to reactivate this same pipeline and bring it back into service.

The subject pipeline stopped flowing on August 2, 2011, when the source gas needed for gas lift to the platform started making water. W&T has evaluated the field and determined that the 6-inch oil/water pipeline still has utility.

As part of the reactivation of this line, we hereby request a departure of hydro-testing this line prior to bringing it back in service. The pipeline was shut-in less than 6 months ago and there is positive pressure on the line.

This application (and any amendments made hereto) is made with our full knowledge and concurrence with the OCS Lands Act (43 U.S.C. 1331, et seq) as amended (P.L. 106-580) including the following: SEC. 5(e) addressing pipeline right-of-ways, requirements of the Federal Energy Regulatory Commission relating to notice of hearing, transportation and purchase of oil and gas without discrimination; Sec. 5 (f)(1) addressing operation of pipelines in accordance with competitive principles, including open and non-discriminatory access to both owner and non-owner shippers; Sec. (f)(1); Sec. 5 (e) addressing the assuring of maximum environmental protection by utilization of the best available and safest technologies, including the safest practices for pipeline installation/burial; and Sec. 5 (f)(1)(B) which may require expansion of throughput capacity of any pipeline except for the Gulf of Mexico or the Santa Barbara Channel.

W&T Offshore, Inc.

Application for ROW Grant and Reactivation of Existing Pipeline

Expired ROW OCS-G 21520, Segment No. 376

January 13, 2012

Page 2

Additionally, W&T Offshore, Inc. expressly agrees that if any site or object of historical or archeological significance should be discovered during the conduct of any operations within the permitted right-of-way, W&T Offshore, Inc. shall report immediately such findings to the Director, Gulf of Mexico OCS Region, and make every reasonable effort to preserve and protect the cultural resource from damage until said Director has given directions as to its preservation or disposition.

Applicant agrees to be bound by the aforementioned regulations, and further agrees to comply with the applicable stipulations set forth in the OCS Oil and Gas Leasing Procedures, Section VII, Pipeline Right-of-Ways dated October 2001.

In accordance with 30 CFR 250.1011(a)(1), W&T Offshore has on file a \$300,000.00 Right-of-Way Bond covering right-of-way pipelines in OCS Federal Waters, Gulf of Mexico.

In support of our application, and to assist in the expeditious review and approval of this application, the following supporting documentation is enclosed and made part of this application letter:

- Technical Write-up to include the Safety Flow Diagram
- Pipeline Route Map
- Non-Discrimination in Employment Stipulation
- Proof of payment in the amount of \$2,569.00 covering application

If you have any questions or require additional information, please contact Valerie Land at 713-624-7272 or by email at [vland@wtoffshore.com](mailto:vland@wtoffshore.com).

Sincerely,

W&T Offshore, Inc.



J. P. Slattery  
Senior Vice President

JPS/vdl  
Enclosures

U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT,  
REGULATION AND ENFORCEMENT

NON-DISCRIMINATION IN EMPLOYMENT

As a condition precedent to the approval of granting the subject pipeline right-of-way, the grantee, W&T Offshore, Inc. (GOM No. 01284), hereby agrees and consents to the following stipulation which is to be incorporated into the application for said right-of-way.

During the performance of this grant, the grantee agrees as follows:

The grantee shall fully comply with paragraphs (1) through (7) of Section 202 of Executive Order 11246, as amended (reprinted in Title 41 CFR 60-1.4(a), which are for the purpose of preventing discrimination against persons on the basis of race, color, religion, sex or national origin. Paragraphs (1) through (7) of Section 202 of Executive Order 11246, as amended, are incorporated in this grant by reference.

W&T Offshore, Inc.

A handwritten signature in black ink, appearing to read "J. B. Slattery", is written over a horizontal line. The signature is stylized and cursive.

Date: January 13, 2012

## Valerie Land

---

**From:** paygovadmin@mail.doc.twai.gov  
**Sent:** Friday, January 13, 2012 9:28 AM  
**To:** Valerie Land  
**Subject:** Pay.Gov Payment Confirmation

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

### Transaction Summary

Application Name: BSEE Pipeline ROW Grant Application - CI/RG Pay.gov Tracking ID: 255EQS5R Agency  
Tracking ID: 74271518908 Transaction Type: Sale Transaction Date: Jan 13, 2012 10:28:12 AM

Account Holder Name: Maria Garvin  
Transaction Amount: \$2,569.00  
Billing Address: 9 E. Greenway Plaza  
Billing Address 2: Suite 300  
City: Houston  
State/Province: TX  
Zip/Postal Code: 77046  
Country: USA  
Card Type: AmericanExpress  
Card Number: \*\*\*\*\*2496

Region : Gulf of Mexico  
Contact: Valerie Land 713-624-7272  
Company /Co No: WT Offshore, Inc. 01284  
Originating Area/Block: Main Pass MP, 69 Terminating Area/Block: Main Pass MP, 41 Pipeline Length/Rental  
Years: 35000.00



# Receipt

**Rct** ROW First Year Rental Payments

**From:** W&T Offshore

**Payor:** 76318

**ROW #:** G28635 SN18566

ONRR is in receipt of the first year rental payments on the above referenced ROW from W&T Offshore.

Truly Yours, .

Office of Natural Resources Revenue



Kathy Tyler

03-06-2012