

SN 8044

OFFSHORE DIVISION  
400 N. SAM HOUSTON PARKWAY E.  
SUITE 1200  
HOUSTON, TEXAS 77060

**LL&E**

(281) 878-3700  
(281) 878-3765 (Fax)

June 8, 2000

Mr. Don Howard  
Regional Supervisor, Field Operations  
Minerals Management Service  
Gulf of Mexico OCS Region  
1201 Elmwood Park Boulevard  
New Orleans, Louisiana 70123-2394



Attention: Mr. Alex Alvarado  
MS 5232

RE: **REPORT OF PLUG AND ABANDONMENT  
PIPELINE SEGMENT NO. 8044  
RIGHT-OF-WAY OCS-G 8608  
VERMILION 226 "C" TO VERMILION 237 "B"**

Dear Sir:

Please be advised that the subject pipeline was plugged and abandoned on May 23, 2000, in accordance with the plan as approved by your office on May 12, 2000. The pipeline was flushed and disconnected at both ends. Plumber's plugs were installed in each pipeline end, and the ends were buried 3 feet below the mud line.

Should you have any questions or need additional information, please contact me at 281/878-3832.

Sincerely,

A handwritten signature in blue ink that reads "Kay L. Morgan".

Kay L. Morgan  
Senior Staff Regulatory Compliance Representative

cc - Mr. Ted Harrington  
Minerals Management Service  
620 Esplanade Street, Suite 200  
Lake Charles, Louisiana 70607

G. Ries	E. Fankhauser	J. Fox	Partners
G. Miller	D. Savell	P. Campbell	KM.RF
K. Morgan	L. Vickers	Well File	

SN 8044

MAY 12 2000

*[Handwritten signature]*

5-10-00

In Reply Refer To: MS 5232

Mr. L. L. Parish  
The Louisiana Land and Exploration Company  
400 North Sam Houston Parkway East  
Suite 1200  
Houston, Texas 77060

Dear Mr. Parish:

Pursuant to 30 CFR 250.1000(b), the relinquishment of the right-of-way grant associated with the following pipeline is hereby accepted effective March 28, 2000:

<u>Pipeline Segment No.</u>	<u>Size (inches)</u>	<u>Length (feet)</u>	<u>Service</u>	<u>From</u>	<u>To</u>
8044 (Right-of-Way OCS-G 8608)	8 5/8	4,488	Bulk Gas	Platform "CJ" Block 226 Vermilion Area Lease OCS-G 5195	Platform "B" Block 237 Vermilion Area Lease OCS-G 6677

Your letter dated March 27, amended by your supplement of May 3, 2000, requests approval to permanently abandon in place approximately 4,488 feet (0.85 miles) of 8 5/8-inch pipeline designated as Segment No. 8044, and to relinquish in its entirety, Right-of-Way Grant OCS-G 8608 associated therewith.

Pursuant to 30 CFR 250.104(b), approval is hereby granted to abandon this pipeline, and in accordance with 30 CFR 250.1009(c), the requirement that the pipeline be removed is hereby waived. However, in the future, should it be determined that this abandoned pipeline constitutes a hazard to navigation or commercial fishing operations or unduly interferes with the other uses of the Outer Continental Shelf, The Louisiana Land and Exploration Company shall be required to remove it.

The Louisiana Land and Exploration Company shall cease transporting hydrocarbons through this pipeline immediately and complete the aforementioned abandonment operations within 60 days of the date of this letter. Additionally, The Louisiana Land and Exploration Company shall submit written notification to this office within 30 days of the completion of the pipeline abandonment. The notification shall include the date the abandonment was completed and an indication that the abandonment was completed as approved.

Sincerely,

(orig. sgd.) A. P. Alvarado

Donald C. Howard  
Regional Supervisor  
Field Operations

bcc: 1502-01 Segment No. 8044, ROW OCS-G 8608 (MS 5232)  
1502-01 ROW OCS-G 8608 (Microfilm) (MS 5033)  
MS 5232 Carto

MBarton:amm:5/9/00:LL&E.8044

*[Handwritten initials]*  
5/22

**RIGHT-OF-WAY  
RELINQUISHMENT  
&  
PIPELINE  
ABANDONMENT**

# Facsimile

## **BURLINGTON RESOURCES**

BEST AVAILABLE COPY

**Gulf Coast Division  
Regulatory Compliance Department**

400 N. Sam Houston Parkway East  
Houston, Texas 77060-3593  
FAX (281) 878-3765

**TO:** *Michael Barton*

<b>From:</b>	<b>Amy McFerrin</b>	<b>281/878-1199</b>
	<b>Debi Hansen</b>	<b>281/878-3739</b>
	<b>Kay Morgan</b>	<b>281/878-3832</b>
	<b>Tom Becnel</b>	<b>281/878-1161</b>

**DATE:** *5-3-00*

**FAX NUMBER:**

**TOTAL NUMBER OF PAGES:**

(Including Cover Page) *4*

**MESSAGE:** *Revised Ph P&A application for  
segment 8044*

If you have any problems receiving this fax, please call Amy McFerrin at (281) 878-1199.

**THE LOUISIANA LAND AND EXPLORATION COMPANY**

OFFSHORE DIVISION  
400 N. SAM HOUSTON PARKWAY E.  
SUITE 1200  
HOUSTON, TEXAS 77060

**BEST AVAILABLE COPY****LL&E**

(281) 878-3700

(281) 878-3765 (Fax)

March 27, 2000

Mr. Don Howard  
Regional Supervisor, Field Operations  
United States Department of the Interior  
Minerals Management Service  
Gulf of Mexico OCS Region  
1201 Elmwood Park Boulevard  
New Orleans, Louisiana 70123-2394

Attention: Mr. Alex Alvarado  
MS 5232

RE: **PROPOSED PIPELINE ABANDONMENT  
SEGMENT NO. 8044/RIGHT-OF-WAY OCS-G 8608  
VERMILION 226 "C" TO VERMILION 237 "B"**

Dear Sir:

The Louisiana Land and Exploration Company (LL&E), a wholly owned subsidiary of Burlington Resources, plans to abandon the referenced pipeline on or about April 15, 2000. The proposed procedure is enclosed for your review.

LL&E wishes to relinquish R-O-W No. OCS-G 8608 after the pipeline is permanently abandoned. This pipeline ceased production on October 5, 1998; however Lease OCS-G 5195 is currently held by production from another platform on the lease.

Should you have any questions or need additional information, please contact Kay Morgan in this office at 281/878-3832 at your earliest convenience.

Sincerely,



L. L. Parish  
Attorney-in-Fact

Enclosure

cc - Mr. Ted Harrington  
Minerals Management Service  
620 Esplanade Street, Suite 200  
Lake Charles Louisiana 70607

K. Morgan G. Ries J. Fox  
G. Miller D. Savell P. Campbell  
G. Anderson P. Domingue Well File  
KM.RF

\* FORMERLY CALLED THE "CJ" PLATFORM; REDIGNATED "C" PLATFORM EFFECTIVE 11/22/89.

**BEST AVAILABLE COPY**

MMS Segment Number	Pipeline Origination					Pipeline Destination					
	Area	Blk	Lease	Struc.	Water Depth	Area	Blk	Lease	Struc.	Water Depth	Oper.
8044	VR	226	G05195	C*	125'	VR	237	G06677	B	125'	LL&E

MMS Segment Number	Size	Length	Service	Auth.	STATUS	Capacity (Bbls)	900' Gell Pig (Bbls)	1.5x Capacity (Bbls)
8044	8"	4,488'	BLKG	DOI	ACT	279	56	363

**PROPOSED ABANDONMENT PROCEDURE**

**Pipeline from Vermilion 226 "C" to Vermilion 237 "B"**

- 1) Rig up on Vermilion 226 "C".
- 2) Isolate and bleed down the pipeline on VR 237 "B". Open the pipeline valve on VR 237 "B", and connect to tank to catch fluids.
- 3) Pump a 56 Bbl gelled pill (900' of pipeline capacity) down the 8" pipeline.
- 4) Sweep the pipeline with 363 Bbls of seawater (1.5 times the capacity including the gelled pig) minimum, or until clear returns are achieved from VR 226 "C" to VR 237 "B". Capture and dispose of all fluids swept from pipeline at the VR 237 "B" platform.
- 5) Jump divers at VR 237 "B" and jet and expose the pipeline 15-20 feet from riser.
- 6) Make cold cut 15-20 feet from the riser and below the lower most clamp on the jacket.
- 7) Insert a plumber's plug in the exposed end of the pipeline, lower pipeline down into trench and bury ends a minimum of 3' below the mud line. Secure it in the trench with sand/cement bags.
- 8) Remove tube-turn to the surface.
- 9) Mob to VR 226 "C".
- 10) Jump divers to jet and expose the pipeline 15-20 feet from the riser.
- 11) Make a cold cut 15-20 feet from the riser and below the lower most clamp on the jacket.
- 12) Install plumber's plug in the exposed end of the pipeline, lower pipeline down into trench and bury ends a minimum of 3' below the mud line. Secure it in the trench with sand/cement bags.
- 13) Demob.

**\* Formerly called the "CJ" platform; redesignated the "C" platform effective 11/22/89.**

BEST AVAILABLE COPY

TOP OF 8" RISER
McMoran
BLK. 226-CJ
X = 1,657,352.45'
Y = -6,049.75'
Lat. 28° 38' 44.307" N.
Long. 92° 24' 04.792" W.

CJ

X = 1,655,000'

X = 1,659,000'

BLK. 226  
BLK. 237

Y = -7,000'

B/L X = 1,657,501.19'  
Y = -7,094.24'

PT.	X	Y
226-CJ	1,657,352.45	-6,049.75
1	1,657,381.08	-6,217.92
2	1,657,503.10	-7,058.80
3	1,657,476.91	-7,543.55
4	1,657,433.20	-7,890.55
5	1,657,380.13	-8,015.98
6	1,657,232.12	-8,306.31
7	1,657,038.17	-8,914.37
8	1,656,946.21	-9,373.64
9	1,657,004.61	-9,846.84
237-B	1,657,295.12	-10,356.77

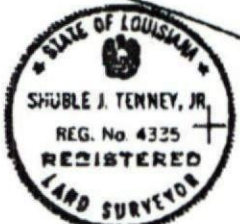
AS BUILT 8" GAS PIPELINE

TOTAL LENGTH = 4,487.86' = 0.85 MI.

→ FLOW

TOP OF 8" RISER
UN. TEX. PETR.
BLK. 237-B
X = 1,657,295.12'
Y = -10,356.77'
Lat. 28° 38' 01.669" N.
Long. 92° 24' 04.380" W.

Y = -10,000'



CERTIFIED CORRECT AS TO HORIZONTAL POSITION OF AS BUILT PIPELINE.

*Shuble J. Tenney, Jr.*  
Registered Land Surveyor No. 4335

FMP OPERATING COMPANY  
AS BUILT 8" GAS PIPELINE  
VERMILION AREA  
GULF OF MEXICO

UN. TEX. 12" P/L



**THE LOUISIANA LAND AND EXPLORATION COMPANY**

OFFSHORE DIVISION  
400 N. SAM HOUSTON PARKWAY E.  
SUITE 1200  
HOUSTON, TEXAS 77060

**LL&E**

(281) 878-3700

(281) 878-3765 (Fax)

March 27, 2000

Mr. Don Howard  
Regional Supervisor, Field Operations  
United States Department of the Interior  
Minerals Management Service  
Gulf of Mexico OCS Region  
1201 Elmwood Park Boulevard  
New Orleans, Louisiana 70123-2394

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Sincerely,



L. L. Parish  
Attorney-in-Fact

Enclosure

cc - Mr. Ted Harrington  
Minerals Management Service  
620 Esplanade Street, Suite 200  
Lake Charles Louisiana 70607

K. Morgan      G. Ries      J. Fox  
G. Miller      D. Savell      P. Campbell  
G. Anderson      P. Domingue      Well File  
KM.RF





MMS Segment Number	Pipeline Origination					Pipeline Destination					
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BEST AVAILABLE COPY

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Lat. 28° 38' 44.307" N. Long. 92° 24' 04.792" W.

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BLK. 226  
BLK. 237

Y = -7,000'

B/L X = 1,657,501.19'  
Y = -7,094.24'

PT.	X	Y
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**AS BUILT 8" GAS PIPELINE**  
TOTAL LENGTH = 4,487.86' = 0.85 MI.

← FLOW

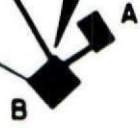
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CERTIFIED CORRECT AS TO HORIZONTAL POSITION OF AS BUILT PIPELINE.

*Shible J. Tenney, Jr.*  
Registered Land Surveyor No. 4335

UN. TEX. 12" P/L



Y = -10,000'

FMP OPERATING COMPANY  
**AS BUILT 8" GAS PIPELINE**  
VERMILION AREA  
GULF OF MEXICO



5N8044

58608

United States Department of the Interior

BEST AVAILABLE COPY

MINERALS MANAGEMENT SERVICE

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

In Reply Refer To: MS 5421  
N.O. Misc. No. 083

June 13, 1994

ACTION

The Louisiana Land and Exploration Company

Oil and Gas

ACCEPTANCE OF MERGER

On January 28, 1994, there was filed in this office for approval evidence of merger of LLECO Holdings, Inc., an Oregon corporation (N.O. Misc. No. 1334), with and into The Louisiana Land and Exploration Company, a Maryland corporation (N.O. Misc. No. 083), effective December 31, 1993.

The name of the surviving corporation is The Louisiana Land and Exploration Company (N.O. Misc. 083).

Since the transfer and vesting of property rights in the surviving corporation have been effected by State statute by operation of law and not by individual conveyances, the merger is hereby approved insofar as it affects leases under 30 CFR 256 and pipeline rights-of-way under 30 CFR 250. The change in ownership as to the oil and gas leases and pipeline rights-of-way listed on the attached is recognized and the records so noted.

*Chris C. Oynes*  
for Chris C. Oynes  
Acting Regional Director

Attachment

cc: Lessees and Associates  
Qualification File (N.O. Misc. No. 083)  
Case Files

An 8044

ATTACHMENT

LLECO HOLDINGS, INC.

OIL AND GAS LEASES

OCS NO.	OCS-G NO.	OCS-G NO.	OCS-G NO.	OCS-G NO.	OCS-G NO.
092	1130	6663	9601	11780	12038
0224	1261	6673	9676	11781	12042
0605	1269	6677	10057	11867	12489
	1568	6685	10058	11869	12576
	1569	7194	10060	11897	12645
	1954	7306	10598	11900	12953
	1960	7349	10661	11901	13158
	2329	7454	10722	11916	13287
	2357	7629	10723	11917	13345
	3115	8222	10833	11919	13364
	3159	8226	10836	11923	13376
	3561	8678	10857	11953	13623
	3811	8707	11281	11981	13691
	4542	9536	11282	11982	13818
	5489	9548	11778	11986	13819
	5525	9600	11779	11988	13883
				12025	

OPERATING RIGHTS

OCS NO.	OCS-G NO.	OCS-G NO.
0807	0978	5558
	1130	7194
	1269	7221
	1954	11279
	5557	11919

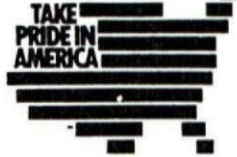
PIPELINE RIGHTS-OF-WAY

OCS-G NO.	OCS-G NO.	OCS-G NO.	OCS-G NO.
8524 ✓ VR109	10388 ✓ SS202	10534 ✓ HIA129	13416 ✓ VR120
8587 ✓ VR237	10389 ✓ SS202	11136 ✓ HIA114	13419 ✓ VR103
8608 ✓ VR226	10393 ✓ EE97	11735 ✓ EE206	13478 ✓ VR112
9346 ✓ H2A437	10531 ✓ H2A126	11742 ✓ EE108	13541 ✓ SS128
9347 ✓ H2A437	10533 ✓ H2A105	13403 ✓ GE217	13713 ✓ VR171
			13714 ✓ VR104
			13715 ✓ VR103

1083



SN 8044 88608  
United States Department of the Interior



MINERALS MANAGEMENT SERVICE  
GULF OF MEXICO OCS REGION  
1201 ELMWOOD PARK BOULEVARD  
NEW ORLEANS, LOUISIANA 70123-2394

In Refer Reply To: MS 5421  
N.O. Misc. No. 1334

November 16, 1993

ACTION

LLECO Holdings, Inc.

Oil and Gas

CHANGE OF NAME RECOGNIZED

On October 14, 1993, there was filed in this office for approval evidence of change of name from NERCO Oil & Gas, Inc., to LLECO Holdings, Inc., effective September 30, 1993.

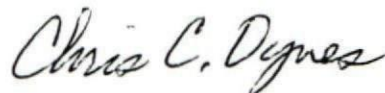
In connection with this change of name, the following evidence was received:

1. Copy of Statement Accompanying Articles of Amendment to Articles of Incorporation of NERCO Oil & Gas, Inc., and Articles of Amendment to Articles of Incorporation of NERCO Oil & Gas, Inc., changing its name to LLECO Holdings, Inc., duly certified on September 30, 1993, by Janet Sullivan, Director, Corporation Division, Office of the Secretary of State of the State of Oregon, with additional certification on October 11, 1993, by Julie A. Kruse, Assistant Secretary of LLECO Holdings, Inc.,
2. Statement of LLECO Holdings, Inc., duly executed on October 11, 1993, by Julie A. Kruse, Assistant Secretary, stating that LLECO Holdings, Inc., is incorporated in the State of Oregon and is authorized to hold oil and gas leases and rights-of-way on the Outer Continental Shelf;
3. Certificate of Assistant Secretary of LLECO Holdings, Inc., duly executed on October 11, 1993, by Julie A. Kruse, Assistant Secretary, setting forth resolutions adopted by the Board of Directors of LLECO Holdings, Inc., on October 11, 1993;
4. Certificate duly executed on October 11, 1993, by Julie A. Kruse, Assistant Secretary, listing those officers and employees authorized to act on behalf of LLECO Holdings, Inc.;

on msp  
12/28/93  
197

5. Incumbency Certificate duly executed on October 11, 1993, by Julie A. Kruse, Assistant Secretary, listing those persons who are now and have been duly elected or appointed, qualified and acting officers of LLECO Holdings, Inc.;
6. Rider to be attached to and form a part of \$300,000 Outer Continental Shelf Mineral Lessee's and Operator's Bond Number 400 GM 2860 changing the name of the principal to LLECO Holdings, Inc., effective September 30, 1993;
7. Rider to be attached to and form a part of \$300,000 Outer Continental Shelf Right-of-Way Grant Bond Number 400 HX 2226 changing the name of the principal to LLECO Holdings, Inc.; and
8. Certificate of Notification duly executed on October 11, 1993, by Julie A. Kruse, Assistant Secretary, listing those oil and gas leases and rights-of-way affected by the change of name.

In view of the evidence submitted, the change of ownership as to the oil and gas leases, including operating rights, and the rights-of-way listed on the Attachment is recognized and the records so noted.



Chris C. Oynes  
Acting Regional Director

Attachment

cc: Lessees and Associates  
Qualification File (N.O. Misc. No. 1334)  
Case Files

ATTACHMENT

OIL AND GAS LEASES

<u>OCS NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
092	7454	10833	11988
0224	7629	10836	12025
0605	8222	10838	12038
	8226	10855	12042
	8678	10857	12349
<u>OCS-G NO.</u>	8699	10892	12489
1130	8707	11281	12576
1261	9536	11282	12645
1269	9548	11778	12953
1568	9600	11779	13158
1569	9601	11780	13287
1954	9676	11781	13345
1960	10057	11867	13364
2329	10058	11869	13376
2357	10060	11897	13623
3115	10285	11900	13691
3159	10547	11901	13818
3561	10598	11916	13819
3811	10618	11917	13883
4542	10629	11919	
5489	10661	11923	
5525	10722	11953	
6663	10723	11981	
6673	10808	11982	
6677	10830	11986	
6685			
7306			
7349			

OPERATING RIGHTS

<u>OCS NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
0807	0978	1954	11919
	1130	5557	
	1269	5558	

PIPELINE RIGHTS-OF-WAY

<u>OCS-G NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
8524	10388	10534	13416
8587	10389	11136	13419
8608	10393	11735	13478
9346	10531	11742	13541
9347	10533	13403	13713
			13714
			13715



SN 8044 OCS-G 8608

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 5421

February 27, 1992

N. O. Misc. No. 1334

ACTION

NERCO Oil & Gas, Inc.

Oil and Gas

ACCEPTANCE OF MERGER

On May 24, 1991, there was filed in this office for approval evidence of merger of NERCO Energy Corporation (N. O. Misc. No. 1603) with and into NERCO Oil & Gas, Inc. (N. O. Misc. No. 1334), effective May 2, 1991. The name of the surviving corporation is NERCO Oil & Gas, Inc. (N. O. Misc. No. 1334).

In connection with this merger, the following evidence was received:

1. Certificate Regarding Merger of NERCO Energy Corporation into NERCO Oil & Gas, Inc. which reflects, among other things, that attached thereto as Exhibit A is a true machine copy of the Articles of Merger and Plan of Merger, such certificate being duly executed by Dexter E. Martin, Secretary of NERCO Oil & Gas, Inc., on May 17, 1991;
2. Copy of Articles of Merger and Plan of Merger, duly certified to be a true copy of the original document, by the Director of the Office of the Secretary of State Corporation Division of the State of Oregon on May 2, 1991;
3. Certificate of Secretary duly execute by Dexter R. Martin, Secretary of NERCO Oil & Gas, Inc., on May 17, 1991, reflecting, among other things, the following:
  - A. NERCO Oil & Gas, Inc. is incorporated under the laws of the State of Oregon;
  - B. NERCO Oil & Gas, Inc. is authorized to hold mineral leases and rights-of-way on the Outer Continental Shelf;
  - C. The resolution contained therein and adopted by the Board of Directors of the Company by unanimous written consent is a true and correct copy;



4. Certificate of Incumbency listing the duly elected or appointed, qualified and acting officers of NERCO Oil & Gas, Inc., executed by Dexter E. Martin, Secretary, on May 17, 1991;
5. Listing of the oil and gas leases and pipeline rights-of-way to be affected by the merger;
6. Designation of operator forms.

Since the transfer and vesting of property rights in the surviving corporation have been effected by State statute by operation of law and not by individual conveyances, the merger is hereby approved insofar as it affects leases under 30 CFR 256 and rights-of-way under 30 CFR 250. The change in ownership as to the oil and gas leases and pipeline rights-of-way listed below is recognized and the records so noted:


OIL AND GAS LEASES

<u>OCS-G NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
0092	7454	9603	11778
0224	7629	9604	11779
0605	7653	9605	11780
1130	8195	9606	11781
1261	8222	9607	11867
1269	8226	9615	11869
1568	8670	9618	11897
1569	8678	9620	11900
1954	8699	9621	11901
1960	8702	9622	11916
2329	8707	9676	11917
2357	9027	9694	11923
2860	9068	10057	11953
3020	9383	10058	11981
3115	9384	10060	11982
3159	9433	10598	11988
3561	9478	10618	12025
5387	9536	10661	12038
5525	9547	10808	12345
6663	9548	10833	12346
6673	9570	10838	12347
6677	9598	10855	12348
6685	9600	10857	12349
6744	9601	11411	12645
7349	9602	11412	12953
			13158

PIPELINE RIGHTS-OF-WAY

OCS-G NO.

8524  
8587  
L 8608  
12738

  
J. Rogers Pearcy  
Regional Director

cc: Lessees and Associates  
Qualification File (N. O. Misc. No. 1334)  
Case Files

Attachment

ATTACHMENT

As a result of the merger of NERCO Energy Corporation with and into NERCO Oil & Gas, Inc., NERCO Oil & Gas, Inc. now owns OPERATING RIGHTS in the following oil and gas leases:

OCS-G NO.

1130  
1269  
1954  
5387



SN 3044



NERCO OIL & GAS, INC.  
10375 RICHMOND AVE., SUITE 600  
HOUSTON, TX 77042  
PO. BOX 770909  
HOUSTON, TX 77215-0909  
TELEPHONE: (713) 266-4040  
TELECOPIER: (713) 260-5605

12

January 24, 1992

United States Department of the Interior  
Minerals Management Service (MS 5232)  
Gulf of Mexico OCS Region  
1201 Elmwood Park Boulevard  
New Orleans, Louisiana 70123-2394

Attention: Mr. D. J. Bourgeois  
Regional Supervisor  
Field Operations

RE: Notification of Change of Operator  
Union Texas Petroleum Corp. to 908  
NERCO Oil & Gas, Inc. 1334

Gentlemen:

Please be advised that NERCO Oil & Gas, Inc. is now the operator of the following pipelines which were formerly operated by Union Texas Petroleum Corp.:

<u>SEGMENT NO.</u>	<u>COMES FROM</u>	<u>GOES TO</u>	<u>ROW NO.</u>	<u>SIZE</u>
✓ 0008499 ✓	SM 0028 "A"	VR 0171 SSTI	---	06"
✓ 0008546 ✓	EC 0237 "A"	EC 0236 SSTI	---	04"
0000793 "u"	VR 0103 #3	VR 0104 #1	---	02"
0008796 "u"	VR 0104 #1	VR 0101 SSTI	---	03"
✓ 0007900 ✓	VR 0109 SSTI	VR 0110 SSTI	G-8524 ✓	12"
✓ 0007902 ✓	VR 0109 "B"	VR 0109 SSTI	---	10"
0004741 "u"	VR 0171 "A"	SM 0017 SSTI	---	04"
✓ 0004819 ✓	VR 0171 "A"	VR 0171 SSTI	---	04"
✓ 0008099 ✓	VR 0171 #7	VR 0171 "A"	---	03"
0007952	VR 0237 "B"	VR 0225 SSTI	G-8587	12"
✓ 0000795 ✓	WC 0040 "A"	WC 0040 #5	---	01"
✓ 0000794 ✓	WC 0040 #5	WC 0040 "A"	---	02"
✓ 0008064 ✓	VR 226 "C"	VR 237 "A"	G-8608 ✓	08"

G 8608

ok  
4/1/92  
KZ

5N8044



# 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 5421  
OCS-G 8608

### Instrument:

Filed : April 5, 1991  
Executed : April 4, 1991  
Approved : July 22, 1991  
Effective : January 1, 1991

Union Texas Petroleum Corporation  
Assignor

NERCO Energy Corporation  
Assignee

ACTION: ASSIGNMENT APPROVED

Right-of-way

The approval of this assignment is restricted to record title interest only, and by virtue of this approval, the Assignee is subject to, and shall fully comply with, all applicable regulations now or to be issued under the Outer Continental Shelf Lands Act, as amended.

Assignor assigned unto Assignee all of Assignor's right, title and interest.

Record title interest is now held as follows:

OCS-G 8608 Blocks 226 and 237, Vermilion Area

NERCO Energy Corporation

100%

*J. Rogers Pearcy*  
J. Rogers Pearcy  
Regional Director

cc: Assignor  
Assignee  
✓ Case File

*PWG 7/26/91  
JHF*

*on mp  
8/21/91  
KJ*

LETTER OF APPLICATION

NERCO Energy Corporation  
8100 N.E. Parkway Drive  
Vancouver, Washington 98662

April 4, 1991

**RECEIVED**

APR 5 1991

Minerals Management Service  
Leasing & Environment

Minerals Management Service  
Gulf of Mexico OCS Region  
Adjudication Unit, LE-3-1  
1201 Elmwood Park Boulevard  
New Orleans, LA 70123-2394

RE: Assignment of Right-of-Way; OCS-G 8608

Dear Sir:

Enclosed please find three (3) fully executed originals of an Assignment of Right-of-Way of all of Union Texas Petroleum Corporation's right, title and interest in and to Right-of-Way OCS-G 8608 unto NERCO Energy Corporation.

Also enclosed is our check number 4111 in the amount of \$ 3,575.00 to cover the filing fee for this Assignment of Right-of-Way as well as several other OCS instruments which are being filed simultaneously as a part of the same transaction.

Please refer to your New Orleans Miscellaneous File Number 968 for Union Texas Petroleum Corporation, and New Orleans Miscellaneous File Number 1603 for NERCO Energy Corporation for documents qualifying said parties to hold leases, operating rights and rights-of-way on the Outer Continental Shelf in the Gulf of Mexico.

We hereby request that this assignment be approved effective as of January 1, 1991, and that one approved copy be returned to the undersigned.

Sincerely,

NERCO Energy Corporation



R. Patrick Grammar  
Vice President

Enclosures

RECEIVED

APR 5 1991

APPROVED

*J. Roger Perry*  
Regional Director  
Effective Date JAN 1 1991

Minerals Management Service  
Leasing & Environment

ASSIGNMENT OF RIGHT-OF-WAY

UNITED STATES OF AMERICA	§	
	§	
OUTER CONTINENTAL SHELF	§	KNOW ALL MEN BY THESE PRESENTS:
	§	
OFFSHORE LOUISIANA	§	

THAT, for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby confessed and acknowledged, Union Texas Petroleum Corporation, whose address is 1330 Post Oak Boulevard, Houston, Texas 77056 ("Assignor") does hereby Transfer, Sell, Assign and Convey, without warranties or covenants of title, express, implied or statutory, unto NERCO Energy Corporation, whose address is 8100 N.E. Parkway Drive, Vancouver, Washington 98662 ("Assignee") all of Assignor's right, title and interest in and to the following right-of-way:

Right-of-Way grant OCS-G 8608 effective March 4, 1987 for a 8-5/8 inch pipeline commencing on Block 226, Vermilion Area and terminating on Block 237, Vermilion Area and being 0.84 miles in length (the "Right-of-Way");

together with such real, personal and mixed property and fixtures associated therewith (the "Interests").

TO HAVE AND TO HOLD the Interests hereby assigned unto Assignee, its successors and assigns, forever.

THIS ASSIGNMENT OF RIGHT-OF-WAY IS MADE AND ACCEPTED WITHOUT RECOURSE (EVEN AS TO THE RETURN OF THE PURCHASE PRICE), COVENANT OF TITLE, REPRESENTATION OR WARRANTY OF ANY KIND, WHETHER EXPRESS, IMPLIED OR ARISING UNDER STATUTE. ASSIGNOR CONVEYS AND TRANSFERS THE INTERESTS TO ASSIGNEE "AS IS, WHERE IS" WITH ALL FAULTS. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, ASSIGNOR HEREBY (A) EXPRESSLY DISCLAIMS AND NEGATES ANY COVENANT OF TITLE, REPRESENTATION OR WARRANTY EXPRESS OR IMPLIED, AT COMMON LAW, BY STATUTE, OR OTHERWISE, RELATING TO (1) THE CONDITION OF THE INTERESTS SOUGHT TO BE CONVEYED HEREBY (INCLUDING, WITHOUT LIMITATION, ANY IMPLIED OR EXPRESS WARRANTY OF MERCHANTABILITY, OF SEAWORTHINESS, OF FITNESS FOR A PARTICULAR PURPOSE, OR OF CONFORMITY TO MODELS OR SAMPLES OF MATERIALS), OR (2) ANY INFRINGEMENT OF ANY PATENT OR PROPRIETARY RIGHT OF ANY THIRD PARTY; AND (B) NEGATES ALL RIGHTS OF ASSIGNEE UNDER STATUTES TO CLAIM DIMINUTION OF CONSIDERATION AND ALL CLAIMS BY ASSIGNEE FOR DAMAGES BECAUSE OF REDHIBITORY VICIES OR DEFECTS, WHETHER KNOWN OR UNKNOWN.

TO THE EXTENT REQUIRED BY APPLICABLE LAW, RULE OR ORDER TO BE OPERATIVE, THE DISCLAIMERS IN THIS PARAGRAPH ARE "CONSPICUOUS" DISCLAIMERS FOR THE PURPOSES OF ANY APPLICABLE LAW, RULE OR ORDER.

Assignor does hereby grant and transfer unto Assignee, its successors and assigns, to the extent transferable, all covenants, warranties and other rights, if any, Assignor is or may be entitled to enforce against Assignor's predecessors in title or vendors (other than Assignor or any affiliate of Assignor), and this Assignment of Right-of-Way is made with full rights of substitution and subrogation of Assignee in and to all such covenants, warranties and other rights, if any, heretofore given or made with respect to the Interests herein conveyed or any part thereof (other than those heretofore given or made by Assignor or any affiliate of Assignor).

This Assignment of Right-of-Way is made effective January 1, 1991 (the "Effective Date"), subject to the approval of the Minerals Management Service.

EXECUTED AND DELIVERED this 4<sup>th</sup> day of April, 1991, in the presence of the undersigned competent witnesses, but effective as of the Effective Date.

WITNESSES:

Donna M. Snow  
Brenda Clement

UNION TEXAS PETROLEUM  
CORPORATION

By: W. M. Krips

W. M. Krips  
Senior Vice President



ACCEPTANCE OF ASSIGNMENT OF RIGHT-OF-WAY

NERCO Energy Corporation, Assignee herein, expressly assumes and agrees to discharge its proportionate part of all duties and obligations arising out of or imposed by and under each and all of the terms and provisions of said Right-of-Way.

WITNESSES

Anna M. Snow  
Brenda Clements

NERCO Energy Corporation

By: R. Patrick Grammar

R. Patrick Grammar  
Vice President

STATE OF TEXAS  
COUNTY OF HARRIS

§  
§  
§

BEFORE ME, the undersigned Notary Public, on this day personally appeared W. M. Krips, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he, being fully authorized to do so, executed and delivered the same as the Senior Vice President of Union Texas Petroleum Corporation, a Delaware corporation, on the day and year therein mentioned and as the free act and deed of said corporation, for the purpose and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 4<sup>th</sup> day of April, 1991.



Gano K. Scherich  
NOTARY PUBLIC in and for  
the State of Texas

Printed Name of Notary:

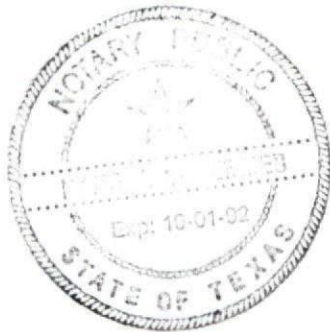
My commission expires: \_\_\_\_\_

STATE OF TEXAS  
COUNTY OF HARRIS

§  
§  
§  
§  
§

BEFORE ME, the undersigned Notary Public, on this day personally appeared R. Patrick Grammar, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he, being fully authorized to do so, executed and delivered the same as the Vice President of NERCO Energy Corporation, an Oregon corporation, on the day and year therein mentioned and as the free act and deed of said corporation, for the purpose and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 4<sup>th</sup> day of April, 1991.



Kano A. Cherriell  
NOTARY PUBLIC in and for  
the State of Texas

Printed Name of Notary:

My commission expires: \_\_\_\_\_

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE**

April 8, 1991 DATE  
 Pipeline Right-of-Way Assignments,  
 OCS-G, 8524, 8587, 8608 PARENT SERIAL NUMBER

Blocks 114, 109, 110, 237, 238, 235, 226 and 237,  
 Vermilion Area

<b>APPLICANT:</b> NERCO Energy Corporation 8100 N.E. Parkway Drive Vancouver, Washington 98662	<b>SUBJECT REMITTER IF DIFFERENT THAN APPLICANT:</b> Strain, Dennis, Ellis, Mayhall & Bates Premier Centre, Suite 1400 450 Laurel Street Baton Rouge, LA 70801
---	---

PURPOSE	FUND SYMBOL	AMOUNT
FILING FEE EARNED	140850 (17)	\$150 00
ADVANCE FILING FEE AND/OR RENTAL	14X6800 (17)	
ONE-FIFTH BONUS	14X6875 (17)	
FIRST YEAR'S RENTAL		
FOUR-FIFTHS BONUS		
<b>TOTAL</b>		<b>\$150 00</b>

Check No. 4111, dated 4/4/91, Sunburst Bank, Baton Rouge, Louisiana;  
 Check No. 242, dated 4/5/91, Premier Bank, Baton Rouge, Louisiana  
 (Personal Check from: Cindy Kay McKinnis, 933 Finchley Court,  
 Baton Rouge, LA 70806)

**REMARKS** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_

**DO NOT ACCEPT THIS COPY AS A RECEIPT**

UNEARNED FILE COPY



# United States Department of the Interior

MINERALS MANAGEMENT SERVICE  
GULF OF MEXICO OCS REGION  
1201 ELMWOOD PARK BOULEVARD  
NEW ORLEANS, LOUISIANA 70123-2394

SN 8044  
TAKE PRIDE IN AMERICA

In Reply Refer To: MS 5421  
OCS-G 8608

## Instrument:

Filed : March 22, 1991  
Executed : November 12, 1990  
Approved : July 22, 1991  
Effective : November 1, 1990

Freeport-McMoRan Oil & Gas Company  
Assignor

Union Texas Petroleum Corporation  
Assignee

ACTION: ASSIGNMENT APPROVED

Right-of-way

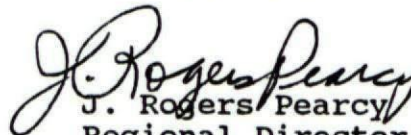
The approval of this assignment is restricted to record title interest only, and by virtue of this approval, the Assignee is subject to, and shall fully comply with, all applicable regulations now or to be issued under the Outer Continental Shelf Lands Act, as amended.

Assignor assigned unto Assignee all of Assignor's right, title and interest.

Record title interest is now held as follows:

OCS-G 8608 Blocks 226 and 237, Vermilion Area

Union Texas Petroleum Corporation 100%

  
J. Rogers Pearcy  
Regional Director

cc: Assignor  
Assignee  
✓ Case File



Union Texas Petroleum

March 13, 1991

1330 Post Oak Boulevard  
P O Box 2120  
Houston, Texas 77252  
(713) 623-6544

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Minerals Management Service  
Gulf of Mexico OCS Region (MS 5421)  
1200 Elmwood Park Blvd.  
New Orleans, LA 70123-2394

Attention: Ms. LaNelle Boehm, Adjudication Unit

**RECEIVED**

RE: PIPELINE RIGHT-OF-WAY ASSIGNMENT  
OCS-G 8608, VERMILION BLOCKS 226 AND 237  
JOINT DEVELOPMENT AREA  
OFFSHORE LOUISIANA

MAR 22 1991

**Minerals Management Service**  
**Leasing & Environment**

Gentlemen:

Enclosed please find four (4) fully executed originals of an assignment of the one hundred percent (100%) interest of Freeport-McMoRan Oil & Gas Company in Federal Pipeline Right-of-Way bearing Serial NO. OCS-G 8608, unto Union Texas Petroleum Corporation.

Also enclosed is our check in the amount of \$50.00 to cover the filing fee for the above assignment.

Please refer to your New Orleans Miscellaneous File Number 1531 for Freeport-McMoRan Oil & Gas Company and Number 968 for Union Texas Petroleum Corporation for documents qualifying said parties to operate on the Outer Continental Shelf in the Gulf of Mexico.

We hereby request that the above assignment be approved effective as of November 1, 1990, and that an approved original be returned to the attention of Mr. Cam Countryman in order that we may furnish copies to interest parties.

We sincerely appreciate your cooperation.

Very truly yours,

UNION TEXAS PETROLEUM CORPORATION

R. D. Erskine  
Vice President

RDE/CMC/dlh  
Enclosures

cc w/encl: F. M. Davis  
Charles G. Duffy, III  
Freeport McMoRan Oil & Gas Company

CMC:0442.DOC

RECEIVED

UNITED STATES OF AMERICA  
OUTER CONTINENTAL SHELF LANDS  
OFFSHORE LOUISIANA

MAR 22 1991

Minerals Management Service  
Leasing & Environment

KNOW ALL MEN BY THESE PRESENTS, THAT;

WHEREAS, under date of April 24, 1987, the United States Department of the Interior, acting through the Minerals Management Service, approved an Application for a Right-Of-Way submitted by FMP Operating Company, a Limited Partnership, said Right-Of-Way being two hundred (200) feet in width, for the construction, operation and maintenance of an 8-5/8" bulk gas pipeline, 0.84 miles in length, from FMP Operating Company's Platform "CJ" in Block 226, Vermilion Area, to Union Texas Petroleum Company's Platform "B" in Block 237, Vermilion Area. Said application is dated March 4, 1987. Such pipeline, as constructed, crosses portions of Vermilion Blocks 226 and 237.

WHEREAS, Freeport-McMoRan Oil & Gas Company, a Delaware corporation, the successor to FMP Operating Company, a Limited Partnership (Assignor), whose address is 1615 Poydras Street, New Orleans, Louisiana 70112, is the present owner of one hundred percent (100%) interest in and to the said Right-Of-Way;

WHEREAS, Assignor desires to transfer all of its one hundred percent (100%) right, title and interest in the said Right-Of-Way to Union Texas Petroleum Corporation (Assignee) whose address is 1330 Post Oak Boulevard, Houston, Texas 77252.

NOW, THEREFORE, for and in consideration of the sum of One Hundred Dollars (\$100.00) and other good and valuable consideration to it in hand paid by ASSIGNEE, the receipt and sufficiency of which are hereby acknowledged and confessed, ASSIGNOR does hereby transfer and assign one hundred percent (100%) right, title and interest in and to the said Right-Of-Way to ASSIGNEE;

TO HAVE AND TO HOLD said interest unto ASSIGNEE, its successors and assigns, forever, subject to the terms and provisions in said Right-Of-Way and of this Assignment;

IT IS UNDERSTOOD AND AGREED that such transfer shall cause the ASSIGNEE herein to assume its proportionate part of all costs, expenses and other obligations chargeable under the Right-Of-Way to such interests and shall likewise operate to give and grant to the ASSIGNEE its proportionate part of all benefits owing thereunder to the ownership of such interest.

This Assignment shall be effective for all purposes as of November 1, 1990, subject to the approval thereof by the Minerals Management Service.

Executed in sextuplicate originals this 12th day of November, 1990.

Freeport-McMoRan Oil & Gas Company

WITNESSES:

Virgie B. Collins  
Linda S. Cecaul

By: Charles E. Holmes  
Charles E. Holmes  
Vice President

A C C E P T A N C E   O F   A S S I G N M E N T

UNION TEXAS PETROLEUM CORPORATION, ASSIGNEE herein, expressly assumes and agrees to discharge its proportionate part of all duties and obligations arising out of or imposed by and under each and all of the terms and provisions of said Right-Of-Way.

WITNESSES:

Donna L. Heard  
Donna L. Heard

UNION TEXAS PETROLEUM CORPORATION

BY: RD Ems

APPROVED

J. Roger Peary  
Regional Director  
Effective Date

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE**

**BEST AVAILABLE COPY**

March 23, 1991 DATE  
 Pipe Line Right-of-Way Assignment  
 OCS-G 8608 PARENT SERIAL NUMBER

Blocks 226 and 237, Vermilion Area SUBJECT  
**APPLICANT:** **REMITTER IF DIFFERENT THAN APPLICANT:**

[ Union Texas Petroleum Corporation  
 P. O. Box 2120  
 Houston, Texas 77252 ]

PURPOSE	FUND SYMBOL	AMOUNT
FILING FEE EARNED	140850 (17)	\$50 00
ADVANCE FILING FEE AND/OR RENTAL	14X6800 (17)	
ONE-FIFTH BONUS	14X6875 (17)	
FIRST YEAR'S RENTAL		
FOUR-FIFTHS BONUS		
<b>TOTAL</b>		\$50 00

Check No. 00069114, dated 3/14/91, Continental Bank, N.A., Chicago, Illinois

**REMARKS** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_

**DO NOT ACCEPT THIS COPY AS A RECEIPT**

CASE FOLDER COPY

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE**

**BEST AVAILABLE COPY**

March 25, 1991 DATE  
 Pipe Line Right-of-Way Assignment  
 OCS-G 8608 PARENT SERIAL NUMBER

Blocks 226 and 237, Vermilion Area SUBJECT  
 APPLICANT: REMITTER IF DIFFERENT THAN APPLICANT:

[ Union Texas Petroleum Corporation ]  
 P. O. Box 2120  
 Houston, Texas 77252  
 [ ]

PURPOSE	FUND SYMBOL	AMOUNT	
FILING FEE EARNED	140850 (17)	\$50	00
ADVANCE FILING FEE AND/OR RENTAL	14X6800 (17)		
ONE-FIFTH BONUS	14X6875 (17)		
FIRST YEAR'S RENTAL			
FOUR-FIFTHS BONUS			
<b>TOTAL</b>		\$50	00

Check No. 00069114, dated 3/14/91, Continental Bank, N.A., Chicago, Illinois

REMARKS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_

**DO NOT ACCEPT THIS COPY AS A RECEIPT**

ACCOUNTING ADVICE COPY



SN 8044

In Reply Refer To: MS 5232

NOV 08 1990

Union Texas Petroleum Corporation  
Attention: Mr. T. J. Hughes  
Post Office Box 52087  
Lafayette, Louisiana 70505

Gentlemen:

Your letters dated October 18, 1990, request approval to employ a 30-second time delay on the pressure safety low (PSL) sensors on the departing pipeline pumps PAX 1000 and 2000 on Segment No. 8546 and on the departing pipeline pumps PAX 306 and 307 on Segment No. 8044. The location of these segments are as follows:

<u>Pipeline Segment No.</u>	<u>Size (inches)</u>	<u>Length (feet)</u>	<u>Service</u>	<u>From</u>	<u>To</u>
8546	4 1/2	4,200	Oil	Platform A Block 237 East Cameron Lease OCS-G 2860	A 6-inch SSTI Block 236 East Cameron Lease OCS-G 5387
8044 (Row OCS-G 8608)	8 5/8	4,488	Bulk Gas	Platform C Block 226 Vermilion Lease OCS-G 5195	Platform B Block 237 Vermilion Lease OCS-G 6677

Pursuant to 30 CFR 250.3(a), approval to employ up to a 30-second time delay on the departing pipeline pump's PSL sensors on pipeline Segment No. 8546 is hereby approved. A 30-second time delay on the departing pipeline pump's PSL sensors on pipeline Segment No. 8044 was previously approved by our letter dated March 15, 1989. In this letter the lease number was incorrectly stated as OCS-G 1144. The correct lease number is OCS-G 5195.

Sincerely,

(Orig. Sgd.) A. Donald Giroir

D. J. Bourgeois  
Regional Supervisor  
Field Operations

bcc: 1502-01 Union Texas Petroleum (w/orig report) (MS 5232)  
1502-01 P/L OCS-G 8608 (MS 5232)  
1502-01 P/L OCS-G 8608 (MS 5033)  
Lease OCS-G 2860 (MS 5032)  
Lease OCS-G 5195 (MS 5032)  
MS 5280

ABritton:lr:gtj:lr:11/02/90:WP/Union

DL  
11/20/90  
R2

**BEST AVAILABLE COPY**

UNITED STATES GOVERNMENT  
MEMORANDUM

October 24, 1990


To: Supervisor, Platform/Pipeline Unit, Plans, Platform and Pipeline Section, Field Operations, GOM OCS Region (MS 5232)

Through: Chief, Plans, Platform and Pipeline Section, Field Operations, GOM OCS Region (MS 5230)  
Deputy Regional Supervisor, District Operations, Field Operations, GOM OCS Region (MS 5200)

From: District Supervisor, Lafayette District, Field Operations, GOM OCS Region (MS 5280)

Subject: Time Delay for PSL's on Pipeline Pumps

Attached are Union Texas Petroleum's requests to install time delays for PSL's on various pumps, including pipeline pumps. The Lafayette District has approved the request applicable to the non-pipeline pumps and recommends approval of such requests applicable to the pipeline pumps.

  
E. G. Hubble

Attachments

CEDelouche:kdg

BEST AVAILABLE COPY

Union Texas Petroleum

October 18, 1990

P. O. Box 52067  
16-A Calco Boulevard  
Lafayette, Louisiana 70505  
Telephone (318) 269-4100

Minerals Management Service  
825 Kaliste Saloom Rd  
Brandywine II, Suite 201  
Lafayette, IA 70508  
Attn: Mr. Cliff DeLouche

RE: Request Departure - Vermillion Block 226 'c'  
OCS-G 5195  
Time delay for pumps



Dear Mr. DeLouche:

It is requested that a departure be granted to Union Texas Petroleum Corporation allowing the time delay installed on the PSL's on the following pumps in the subject field.

Sump Pump - PEH 305  
Pipeline Pump - PAX 306  
Pipeline Pump - PAX 307

Subject pumps operate intermittently and the PSL will not allow the pump to function automatically without a delay. Should a leak occur, secondary protection is provided by containment in process skid.

The delay, which effectively places the PSL - pump discharge - out of service, is used only when pump is shutdown and for a maximum of 30 seconds after start. Each pump has its own respective time delay circuitry.

Your prompt consideration of this request would be greatly appreciated. If you have any questions or need additional information, please call Jerry Comeaux in the Lafayette office at 318/269-4125.

Sincerely,

  
T. J. Hughes  
Offshore Production Superintendent

TJH/JRC/akh  
xc: LD Roeder  
DH Cowan  
JR Comeaux  
VR 237 Foremen (2)  
VR 237 Field File  
Reader

(JRC26)



SN8044

# 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: LE-3-1  
N. O. Misc. No. 1530

April 12, 1990

8608

## ACTION

FMP Operating Company (Delaware), Limited Partnership Oil and Gas

### ACCEPTANCE OF MERGER

On April 11, 1990, there was filed in this office for approval evidence of merger of FMP Operating Company, a Limited Partnership (N. O. Misc. No. 963), a Texas partnership, with and into FMP Operating Company (Delaware), Limited Partnership (N. O. Misc. No. 1530), a Delaware partnership, effective March 30, 1990. The name of the surviving partnership is FMP Operating Company (Delaware), Limited Partnership (N. O. Misc. No. 1530).

In connection with this merger, the following evidence was received:

1. Certificate of Merger of FMP Operating Company (Delaware), Limited Partnership, duly certified by the Secretary of State of the State of Delaware on March 30, 1990, with additional certification by Richard L. Epstein, Assistant Secretary of Freeport-McMoRan Oil & Gas Company, Managing General Partner of FMP Operating Company (Delaware), Limited Partnership, on March 30, 1990;
2. Certificate reflecting that FMP Operating Company (Delaware), Limited Partnership is organized under the laws of the State of Delaware and is authorized to hold mineral leases and/or pipeline rights-of-way on the Outer Continental Shelf, duly executed by Richard L. Epstein, Assistant Secretary of Freeport-McMoRan Oil & Gas Company, Managing General Partner of FMP Operating Company (Delaware), Limited Partnership, on March 30, 1990;
3. Certificate reflecting that Freeport-McMoRan Oil & Gas Company is incorporated under the laws of the State of Delaware and is authorized to hold mineral leases and rights-of-way on the Outer Continental Shelf, duly executed by Richard L. Epstein, Assistant Secretary of Freeport-McMoRan Oil & Gas Company, Managing

- General Partner of FMP Operating Company (Delaware), Limited Partnership, on March 26, 1990;
4. Certificate reflecting that Freeport-McMoRan Inc. is organized under the laws of the State of Delaware and is authorized to hold mineral leases on the Outer Continental Shelf, duly executed by Michael C. Kilanowski, Jr., Secretary of Freeport-McMoRan Inc., Special General Partner of FMP Operating Company (Delaware), Limited Partnership, on March 26, 1990;
  5. Certificate of Assistant Secretary listing the members of FMP Operating Company (Delaware), Limited Partnership, duly executed by Richard L. Epstein, Assistant Secretary of Freeport-McMoRan Oil & Gas Company, Managing General Partner of FMP Operating Company (Delaware), Limited Partnership, on March 30, 1990;
  6. Copy of resolutions duly adopted by the Board of Directors of Freeport-McMoRan Oil & Gas Company by unanimous written consent effective as of March 23, 1990, duly certified by Richard L. Epstein, Assistant Secretary of Freeport-McMoRan Oil & Gas Company, Managing General Partner of FMP Operating Company (Delaware), Limited Partnership, on March 30, 1990;
  7. Listing of the officers and directors of Freeport-McMoRan Oil & Gas Company, duly certified by Richard L. Epstein, Assistant Secretary of Freeport-McMoRan Oil & Gas Company, Managing General Partner of FMP Operating Company (Delaware), Limited Partnership, on March 30, 1990;
  8. Confirmation of Merger duly executed by FMP Operating Company, a Limited Partnership, and FMP Operating Company (Delaware), Limited Partnership, on March 30, 1990;
  9. Listing of the oil and gas leases and pipeline rights-of-way to be affected by the merger.

Since the transfer and vesting of property rights in the surviving corporation have been effected by State statute by operation of law, and by confirmation of the parties by execution of the Confirmation of Merger, the merger and confirmation are hereby approved insofar as they affect leases under 30 CFR 256 and pipeline rights-of-way under 30 CFR 250. The change in ownership as to the oil and gas leases and pipeline rights-of-way listed below is recognized and the records so noted:

OIL AND GAS LEASES

<u>OCS-G NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
0996	3079	4794	9562
1088	3108	4809	9594
1127	3119	4897	9595
1960	3388	5052	9793
1982	3390	5195	10567
2359	3400	5221	10579
2360	3414	5332	10596
2361	3466	5369	10597
2638	3520	5370	10628
2639	3527	5419	10633
2643	3546	7788	10636
2712	3793	8625	10666
2728	3949	8626	10688
2729	4070	8668	10739
2825	4087	8717	10871
2865	4479	9129	10882
2887	4491	9405	10891
2888	4492	9458	11381
2889	4579	9497	11388
2892	4784	9502	11398

PIPELINE RIGHTS-OF-WAY

<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
5230	10078
5231	10080
8044	10081
8532	10095
8533	10096
8608	

*J. Rogers Pearcy*  
 J. Rogers Pearcy  
 Regional Director

cc: Lessees and Associates  
 Qualification File (N. O. Misc. No. 1530)  
 Case File

## ATTACHMENT

As a result of the merger of FMP Operating Company, a Limited Partnership, with and into FMP Operating Company (Delaware), Limited Partnership, FMP Operating Company (Delaware), Limited Partnership now owns OPERATING RIGHTS in the following oil and gas leases:

<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
0841	2825
0842	3383
1127	3394
1143	3932
1144	3995
2361	5685
2712	6646



## United States Department of the Interior

5 N8044  
 TAKE  
 PRIDE IN  
 AMERICA

MINERALS MANAGEMENT SERVICE  
 GULF OF MEXICO OCS REGION  
 1201 ELMWOOD PARK BOULEVARD  
 NEW ORLEANS, LOUISIANA 70123-2394

In Reply Refer To: LE-3-1  
 N. O. Misc. No. 1531

April 12, 1990

## ACTION

Freeport-McMoRan Oil & Gas Company

Oil and Gas

ACCEPTANCE OF MERGER

On April 11, 1990, there was filed in this office for approval evidence of merger of FMP Operating Company (Delaware), Limited Partnership (N. O. Misc. No. 1530), a Delaware partnership, with and into Freeport-McMoRan Oil & Gas Company (N. O. Misc. No. 1531), a Delaware corporation, effective March 30, 1990. The name of the surviving corporation is Freeport-McMoRan Oil & Gas Company (N. O. Misc. No. 1531).

In connection with this merger, the following evidence was received:

1. Certificate of Merger of Freeport-McMoRan Oil & Gas Company, duly certified by the Secretary of State of the State of Delaware on March 31, 1990, with additional certification by Richard L. Epstein, Assistant Secretary of Freeport-McMoRan Oil & Gas Company, on April 2, 1990;
2. Certificate reflecting that Freeport-McMoRan Oil & Gas Company is incorporated under the laws of the State of Delaware and is authorized to hold mineral leases and/or rights-of-way on the Outer Continental Shelf, duly executed by Richard L. Epstein, Assistant Secretary of Freeport-McMoRan Oil & Gas Company, on March 30, 1990;
3. Copy of resolutions duly adopted by the Board of Directors of Freeport-McMoRan Oil & Gas Company by unanimous written consent, effective March 23, 1990, certified by Richard L. Epstein, Assistant Secretary of Freeport-McMoRan Oil & Gas Company, on March 23, 1990;
4. Listing of the Directors and Officers of Freeport-McMoRan Oil & Gas Company, duly certified by Richard L. Epstein, Assistant Secretary of Freeport-McMoRan Oil & Gas Company, on March 30, 1990;



BEST AVAILABLE COPY

5. Confirmation of Merger duly executed by FMP Operating Company (Delaware), Limited Partnership, and Freeport-McMoRan Oil & Gas Company, on March 30, 1990;
6. Listing of the oil and gas leases and pipeline rights-of-way to be affected by the merger.


Since the transfer and vesting of property rights in the surviving corporation have been effected by State statute by operation of law, and by confirmation of the parties by execution of the Confirmation of Merger, the merger and confirmation are hereby approved insofar as they affect leases under 30 CFR 256 and pipeline rights-of-way under 30 CFR 250. The change in ownership as to the oil and gas leases and pipeline rights-of-way listed below is recognized and the records so noted:

OIL AND GAS LEASES

<u>OCS-G NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
0996	3079	4794	9562
1088	3108	4809	9594
1127	3119	4897	9595
1960	3388	5052	9793
1982	3390	5195	10567
2359	3400	5221	10579
2360	3414	5332	10596
2361	3466	5369	10597
2638	3520	5370	10628
2639	3527	5419	10633
2643	3546	7788	10636
2712	3793	8625	10666
2728	3949	8626	10688
2729	4070	8668	10739
2825	4087	8717	10871
2865	4479	9129	10882
2887	4491	9405	10891
2888	4492	9458	11381
2889	4579	9497	11388
2892	4784	9502	11398

PIPELINE RIGHTS-OF-WAY

<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
5230	10078
5231	10080
8044	10081
8532	10095
8533	10096
8608	

  
J. Rogers Pearcy  
Regional Director

cc: Lessees and Associates  
Qualification File (N. O. Misc. No. 1531)  
Case File

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N. O. Misc. No. 1531

Page 4

ATTACHMENT

As a result of the merger of FMP Operating Company (Delaware), Limited Partnership, with and into Freeport-McMoRan Oil & Gas Company, Freeport-McMoRan Oil & Gas Company now owns OPERATING RIGHTS in the following oil and gas leases:

<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
0841	2825
0842	3383
1127	3394
1143	3932
1144	3995
2361	5685
2712	6646

BEST AVAILABLE COPY

Stauffer 3/14/89

SN8044

In Reply Refer To: FO-2-2

MAR 15 1989

Union Texas Petroleum Corporation  
Attention: Mr. T. J. Hughes  
Post Office Box 52087  
Lafayette, Louisiana 70505

Gentlemen:

Your letter dated January 9, 1989, requests approval to employ a time delay on the following departing pipelines pump pilots:

<u>Pipeline Segment No.</u>	<u>Size (inches)</u>	<u>Length (feet)</u>	<u>Service</u>	<u>From</u>	<u>To</u>
7952 (Row OCS-G 8537)	12 3/4	15,511	Gas and Condensate	Platform B Vermilion Area Block 237 Lease OCS-G 6677	A 36-inch SSTI Vermilion Area Block 225 Lease OCS-G 1143
4819	4 1/2	3,000	Gas and Condensate	Platform A Vermilion Area Block 171 Lease OCS-G 1130	A 12-inch SSTI Vermilion Area Block 171 Lease OCS-G 1130
4768 (Row OCS-G 3439)	4 1/2	6,496	Bulk Gas	Well No. 5 Vermilion Area Block 161 Lease OCS-G 1127	Platform A Vermilion Area Block 161 Lease OCS-G 1127
8044 (Row OCS-G 8608)	8 5/8	4,488	Bulk Gas	Platform CJ Vermilion Area Block 226 Lease OCS-G <del>1144</del> 5195	Platform B Vermilion Area Block 237 Lease OCS-G 6677

PME  
3-17-89  
AK

Pursuant to 30 CFR 250.3(a), approval to employ up to a 30-second time delay on the above pipeline pumps low-pressure pilots is hereby granted.

8608

OK  
3/17/89  
AK

Your request to employ time delays on the pump pilots for Vermilion Block 109, Platform B and Vermilion Block 161, Platform A will be considered by the Lafayette District Office.

Sincerely yours,

(Orig. Sgd.) A. Donald Giroir

D. J. Bourgeois  
Regional Supervisor  
Field Operations

bcc: 1502-01 Union Texas (w/orig appln) (FO-2-2)  
Lease OCS-G 6677 (OPS-3-2)  
Lease OCS-G 1130 (OPS-3-2)  
Lease OCS-G 1127 (OPS-3-2)  
FO-5

AAIvarado:lr:3/8/89:Disk 1

**BEST AVAILABLE COPY**

UNITED STATES GOVERNMENT  
MEMORANDUM

January 13, 1989

To: Deputy Regional Supervisor, District Operations, Field Operations,  
GOM OCS Region (FO)

From: District Supervisor, Lafayette District, Gulf of Mexico OCS  
Region (DO-5)

Subject: Departure Request for Time Delay on Pipeline Pumps

Transmitted herewith is Union Texas Petroleum's letter of January 9, 1989, requesting departures from the requirements of CFR 250.154(b)(9), which require that pipeline pumps be equipped with PSHL sensors.

This request pertains to the use of a 30 second time delay on the PSL sensors for the following platforms:

<u>Lease</u>	<u>Area</u>	<u>Block</u>	<u>Platform</u>	<u>Pump</u> <i>And E</i>	
G 6677	Vermilion	237	A <i>ca. 100'</i>	L P Condensate	G 8587
G 6677	Vermilion	237	B	L P Condensate	7950 GAC
G 1144	Vermilion	226	(A C)	Pipeline Pump #1 Pipeline Pump #2	6595 GAC SN
G 1130	Vermilion	171	A	Pipeline Pump #1 Pipeline Pump #2	4819 GAC
G 1127	Vermilion	161	No.3	Sump Pump?	574762
G 1127	Vermilion	161	No.5	Sump Pump	
G 6663	Vermilion	109	B	Sump Pump A Sump Pump B	7902 GAC

Field inspections, by representatives of this office, revealed that the operation cycle of the above results in the loss of pressure to 0 PSI when the pumps are not in service.

Review of this application and field inspections result in our recommendation to approve this request. Therefore, we request your concurrence for the use of 30 second time delays as outlined. Verbal approval to utilize time delays was granted on January 7, 1989, pending Regional approval.

*E. G. Hubble*  
E. G. Hubble  
District Supervisor  
Lafayette District

Attachments

cc: ISP- w/copy of attachments (FO-5)  
101-03 (FO-5)

MLambert:ddl



January 9, 1989

P. O. Box 52087  
16-A Calca Boulevard  
Lafayette, Louisiana 70505  
Telephone (318) 269-4100

Minerals Management Service  
Lafayette District  
825 Kaliste Saloom Road  
Brandywine No. 2 - Suite 201  
Lafayette, LA 70508



Attention: Mr. Maxie Lambert

Re: Request Departure - Time Delays For Pumps

Dear Sir:

It is requested that a departure be granted to Union Texas Petroleum Corporation concerning the time delays that are installed on pumps in the following fields.

OF 30 SECONDS.

- Vermilion 237  
G 6677
  - 1. L.P. Condensate Pump A ✓
  - 2. L.P. Condensate Pump B ✓
- Vermilion 226 "  
G 1144 (C)  
07757 L
  - 1. Pipeline Pump #1
  - 2. Pipeline Pump #2
  - 3. Sump Pump
- Vermilion 171 A  
G 1130
  - 1. Pipeline Pump #1
  - 2. Pipeline Pump #2
  - 3. Charge Pump
- Vermilion 161 #3  
G 1127
  - 1. Sump Pump
- Vermilion 161 #5  
G 1127
  - 1. Sump Pump
- Vermilion 109  
G 6663
  - 1. Sump Pump #1 "A"
  - 2. Sump Pump #2 "B"

This request is being made due to pressure loss when pumps are not in service. Subject pumps operate intermittently and the PSL pilots will not allow pumps to function without a delay.

Your prompt consideration of this request would be deeply appreciated.

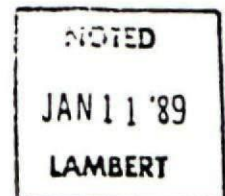
If you have any questions or need additional information, please call Doug Miguez in Lafayette at 269-4109.

Yours very truly,

*T. J. Hughes*  
T. J. Hughes  
Offshore Production Superintendent

xc: L. D. Roeder  
D. H. Cowan  
Field File

*Michael Approach  
Pending Regional  
Approval 1-7-89  
Lafayette Lambert  
1-7-89*

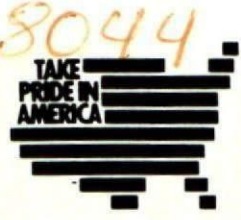






# United States Department of the Interior

MINERALS MANAGEMENT SERVICE  
GULF OF MEXICO OCS REGION  
1201 ELMWOOD PARK BOULEVARD  
NEW ORLEANS, LOUISIANA 70123-2394



In Reply Refer To: LE-3-1  
N. O. Misc. No. 963



OCS-G 8608

✓ R 226  
CT

**ACTION**

FMP Operating Company, a Limited Partnership

Oil and Gas ✓

**CHANGE OF NAME RECOGNIZED**

On August 22, 1988, there was filed in this office evidence of change of name from FMP Operating Company to FMP Operating Company, a Limited Partnership, effective March 28, 1988.

In connection with this change, the following evidence was received:

1. Certificate duly executed by Joan F. Smith, Assistant Secretary of McMoran Oil & Gas Co., Managing General Partner of FMP Operating Company, a Limited Partnership, on July 25, 1988, reflecting, among other things, the following:
  - A. FMP Operating Company, a Limited Partnership, is formed under the laws of the State of Texas and is authorized to hold mineral leases on the OCS;
  - B. Exhibit "A" attached thereto is a true and correct copy of the Amended and Restated Certificate of Limited Partnership;
  - C. Exhibit "B" attached thereto is a true and correct copy of the Second Amended and Restated Agreement of Limited Partnership;
2. Copy of resolutions duly adopted by the Board of Directors of McMoran Oil & Gas Co., Managing General Partner of FMP Operating Company, a Limited Partnership, which reflect officers and their authority to execute documents, certified by Richard L. Epstein, Assistant Secretary of McMoran Oil & Gas Co., on July 25, 1988;
3. Change Riders to be attached to and form a part of Outer Continental Shelf Mineral Lessee's and Operator's Bond Number 711G483-A in the sum of \$300,000.00, changing the name of the principal, effective March 28, 1988;

4. Change Riders to be attached to and form a part of Outer Continental Shelf Right-of-Way Grant Bond Number 711G484-1 in the sum of \$300,000.00, changing the name of the principal, effective March 28, 1988;
5. List of the oil and gas leases and pipeline rights-of-way to be affected by the change in corporate name.

In view of the evidence submitted, the change of ownership as to the oil and gas leases and pipeline rights-of-way listed below is recognized and the records so noted:

OIL AND GAS LEASES


<u>OCS-G NO.</u>	<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
0224	3061	4897
0996	3079	5195
1127	3108	5221
1960	3119	5332
1982	3388	5411
2359	3390	5414
2360	3400	5415
2361	3414	7788
2638	3466	8625
2639	3520	8626
2643	3527	8668
2712	3546	8717
2728	3793	9129
2729	3949	9405
2825	4070	9458
2865	4087	9497
2887	4479	9502
2888	4491	9562
2889	4492	9594
2892	4579	9595
2933	4794	9793

OPERATING RIGHTS

<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
0841	2712
0842	3394
1127	3932
1143	3995
1144	6646

PIPELINE RIGHTS-OF-WAY

<u>OCS-G NO.</u>	<u>OCS-G NO.</u>
5230	8608 ✓
5231	10080
8044	10081
8532	10095
8533	10096

  
J. Rogers Percy  
Regional Director

cc: Lessees and Associates  
Qualification File (N. O. Misc. No. 963)  
Case Files

Britton 7-17-87  
Howard 7/17/87

**BEST AVAILABLE COPY**

In Reply Refer To: FO-2-2  
OCS-G 8608

JUL 20 1987

**ACTION**

FMP Operating Company : Pipe Line Right-of-Way  
: :  
: Date of Permit: 4-24-87  
: :  
: Proof of Construction  
: Received: 6-30-87

Proof of Construction Accepted

The above-captioned grantee has submitted the evidence required by the law and Regulations 30 CFR 256.95(a). The proof of construction is hereby accepted and approved. Deviation from the original plat has been noted and new plat made a part of the record.

The total length of the "as-built" pipeline right-of-way is 0.85 mile.

(Orig. Sent to [unclear] [unclear])

J. Rogers Percy  
Regional Director

bcc: P/L OCS-G 8608 (FO-2-2)  
P/L OCS-G 8608 (w/attachments) (FO-2-2) (K. Faust)  
ORD Reading File  
OPS-5 (w/copy of location plat)  
FO-6

ABritton:mcs:7/17/87:LEXITYPE Disk 6

on mcs?  
7/23/87  
[Signature]

McMoRan Oil & Gas Co.

Managing General Partner for  
FMP Operating Company, A Limited Partnership

OCS-G8608

June 29, 1987

Minerals Management Service  
1201 Elmwood Park Blvd.  
New Orleans, LA 70123-2394

Attn: Regional Supervisor  
Office of Field Operations  
(Ref. FO 2-2)

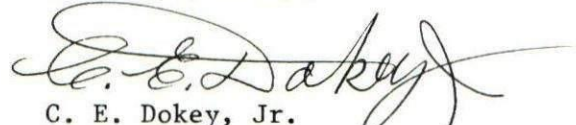


RE: Right-of-Way Application for  
Eight-Inch Pipeline  
Vermilion Area  
OCS-G 8608

Gentlemen:

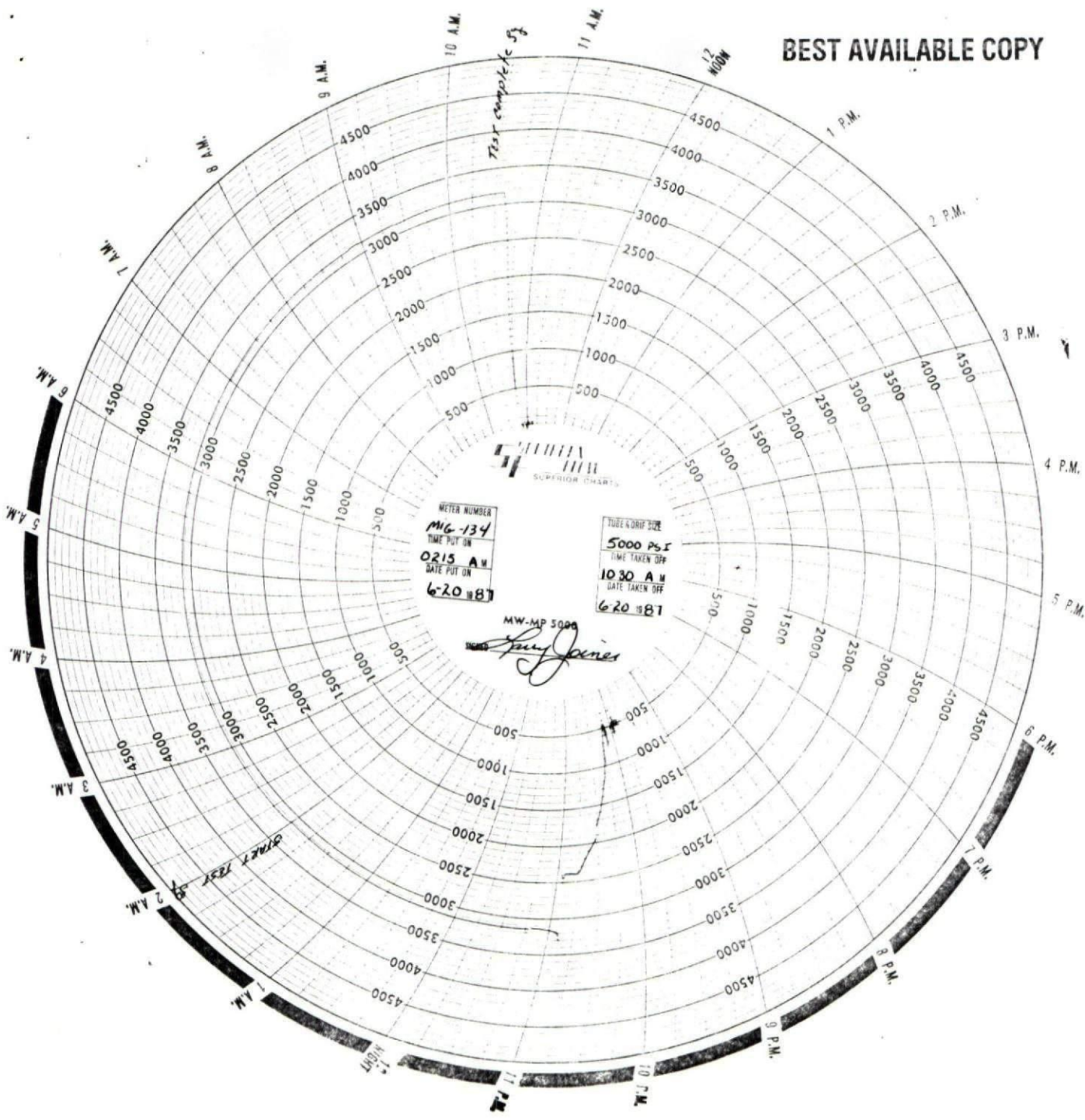
Please find enclosed, in quadruplicate, the "as-built" plat and test chart for the subject pipeline.

Yours very truly,

  
C. E. Dokey, Jr.  
Manager, Regulatory Affairs

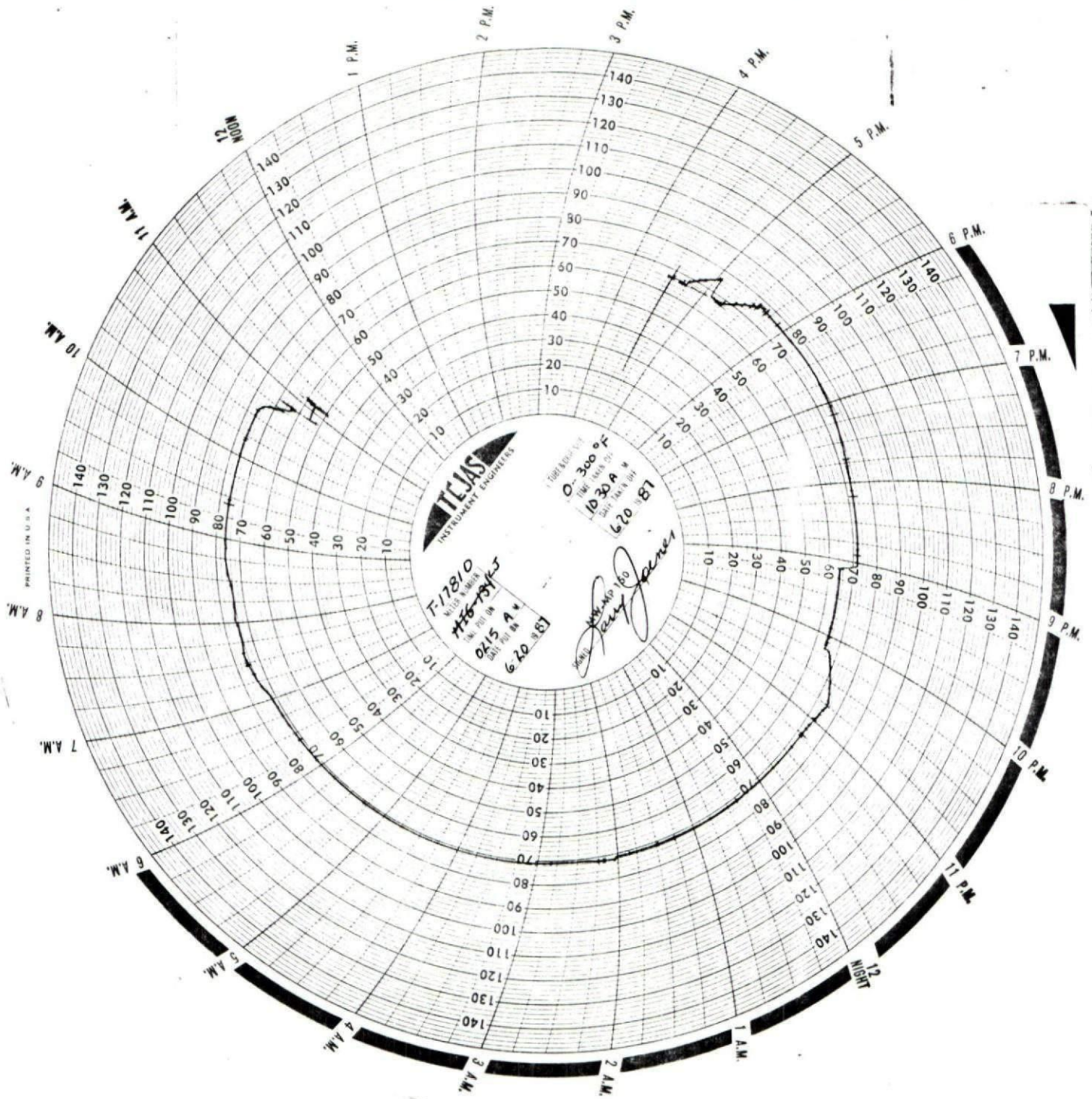
JSV  
Enclosures

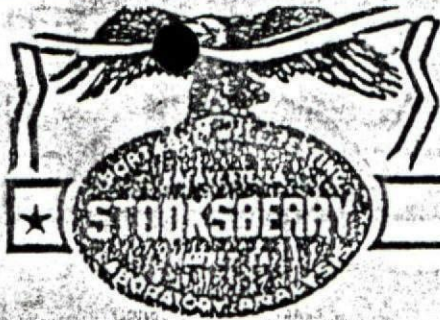




RECEIVED  
JUN 30 1987  
FIELD OPERATIONS  
GUARD MINERALS MANAGEMENT SERVICE '87  
of Mexico OCS Region, New Orleans

OCS-G 8608





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★ **STOOKSBERRY** **INCORPORATED**

P. O. DRAWER K  
LAFAYETTE, LOUISIANA 70502  
...C.F.E. 313) 233-5631

Bolted & Welded Tanks

Dear Sirs:

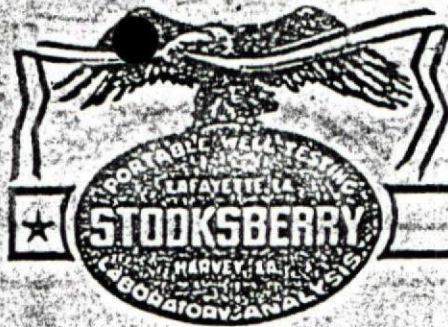
This letter is to certify the following calibration procedure of this SN- STILL PRESSURE recorder. The recorder was checked by the following equipment, by 3D Gauge sn# 8505040N and Deadweight Tester sn# 17723, both are traceable to the National Bureau of Standards.

UP		DOWN	
DW	REC	DW	REC
0	0	5000	5000
500	500	4500	4500
1000	1000	4000	4000
1500	1500	3500	3500
2000	2000	3000	3000
2500	2500	2500	2500
3000	3000	2000	2000
3500	3500	1500	1500
4000	4000	1000	1000
4500	4500	500	500
5000	5000	0	0

Calibrated by: Allen Cudeus

DATE: 5-6-87





1-137

INCORPORATED

Bolted & Welded Tanks

P. O. DRAWER K  
LAFAYETTE, LOUISIANA 70502  
PHONE (318) 233-5631

BEST AVAILABLE COPY

Dear Sirs:

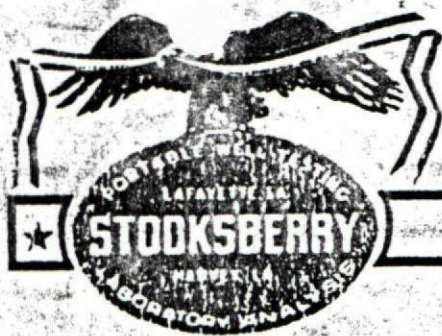
This letter is to certify the following calibration procedure of this Deadweight Tester. The Deadweight Tester was checked by the following equipment, by 3D Gauge sn# 8505040N and Deadweight Tester sn# 17723, both are traceable to the National Bureau of Standards.

UP		DOWN	
DW	REC	DW	REC
0	0	5000	5000
500	500	4500	4500
1000	1000	4000	4000
1500	1500	3500	3500
2000	2000	3000	3000
2500	2500	2500	2500
3000	3000	2000	2000
3500	3500	1500	1500
4000	4000	1000	1000
4500	4500	500	500
5000	5000	0	0

Calibrated By: Allen Linden

DATE: 5-6-87

DEADWEIGHT SN: SI-5



Bolted & Welded Tanks

P. O. DRAWER K  
LAFAYETTE, LOUISIANA 70502

PHONE (318) 333-5611

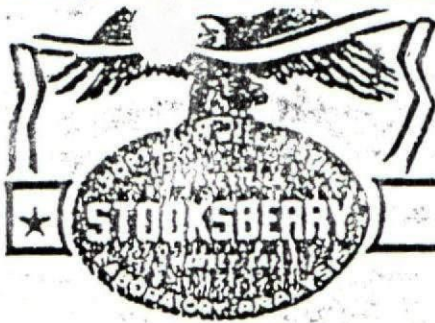
Dear Sirs:

This letter is to certify the following calibration procedure of this SN: R15159 Temperature recorder. The recorder was checked by the following equipment, by ASTM: 917706 Thermometer and ASTM: 917720 Thermometer both are traceable to the National Bureau of Standards.

UP		DOWN	
DW	REC	DW	REC
32°	32°	300°	300°
60°	60°	275°	275°
91°	91°	223°	223°
121°	121°	198°	198°
156°	156°	142°	142°
189°	189°	97°	97°
215°	215°	49°	49°
251°	251°	32°	32°
280°	280°		
300°	300°		

Calibrated By: Allen Cadeau

DATE: 5-6-87



BEST AVAILABLE COPY

INCORPORATED

P. O. DRAWER K  
LAFAYETTE, LOUISIANA 70502

Bolted & Welded Tanks

PHONE 313, 233-5631

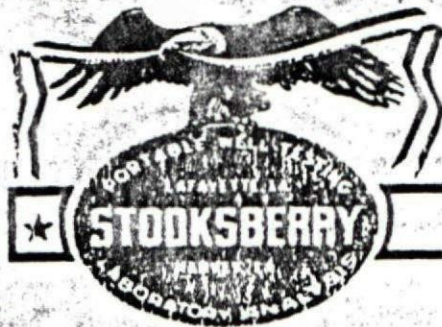
Dear Sirs:

This letter is to certify the following calibration procedure of this SN-100135 pressure recorder. The recorder was checked by the following equipment, by 3D Gauge sn# 8505040N and Deadweight Tester sn# 17723, both are traceable to the National Bureau of Standards.

UP		DOWN	
DW	REC	DW	REC
0	0	5000	5000
500	500	4500	4500
1000	1000	4000	4000
1500	1500	3500	3500
2000	2000	3000	3000
2500	2500	2500	2500
3000	3000	2000	2000
3500	3500	1500	1500
4000	4000	1000	1000
4500	4500	500	500
5000	5000	0	0

Calibrated By: Allen Cudum

DATE: 5-6-87



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★ **STOOKSBERRY** **INCORPORATED**

P. O. DRAWER K  
LAFAYETTE, LOUISIANA 70502  
PHONE (318) 233-6611

Bolted & Welded Tanks

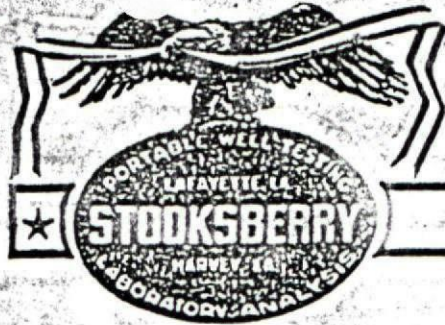
Dear Sirs:

This letter is to certify the following calibration procedure of this SN-SI-7 Temperature recorder. The recorder was checked by the following equipment, by ASTM: 9L7706 Thermometer and ASTM: 9L7720 Thermometer both are traceable to the National Bureau of Standards.

UP		DOWN	
DW	REC	DW	REC
32°	32°	300°	300°
58°	58°	273°	273°
102°	102°	221°	221°
124°	124°	199°	199°
175°	175°	171°	171°
203°	203°	120°	120°
228°	228°	98°	98°
276°	276°	61°	61°
300°	300°	32°	32°

Calibrated By: Allen C. Reed

DATE: 5-6-87



BEST AVAILABLE COPY

INCORPORATED

P. O. DRAWER K  
LAFAYETTE, LOUISIANA 70502  
PHONE (318) 233-5631

Bolted & Welded Tanks

Dear Sirs:

This letter is to certify the following calibration procedure of this Deadweight Tester. The Deadweight Tester was checked by the following equipment, by 3D Gauge sn# 8505040N and Deadweight Tester sn# 17723, both are traceable to the National Bureau of Standards.

UP		DOWN	
DW	REC	DW	REC
0	0	5000	5000
500	500	4500	4500
1000	1000	4000	4000
1500	1500	3500	3500
2000	2000	3000	3000
2500	2500	2500	2500
3000	3000	2000	2000
3500	3500	1500	1500
4000	4000	1000	1000
4500	4500	500	500
5000	5000	0	0

Calibrated By: Allen Anderson

DATE: 5-6-87

DEADWEIGHT SN: ST-11



# CALIBRATION CERTIFICATE



## OGASCO — Oil & Gas Specialties

PART NUMBER Refinery

SERIAL NUMBER 35265-1

PRESSURE/TEMP. RANGE 5000 P.S.I. ACCURACY ± \_\_\_\_\_ % FULL SCALE (± 5 P.S.I.)

### CALIBRATION

INCREASING PRESSURE/TEMPERATURE			DECREASING PRESSURE/TEMPERATURE		
Applied Press./Temp.	Indicated Press./Temp.	Difference	Applied Press./Temp.	Indicated Press./Temp.	Difference
1000	1002	+2	4500	4507	+7
2000	2006	+6	3500	3507	+7
3000	3007	+7	2500	2506	+6
4000	4007	+7	1500	1506	+6
5000	5007	+7	500	502	+2
			0	0	0

Calibrated in Up Right Position. Temp. 75 ° F.

This is to certify that this gauge has been inspected and tested against Pressure/Temperature Standard (Ohaus) Chandler D.W. Fester S/N 15545 traceable to the National Bureau of Standards, traceability reference 22107/2210607, compensated to local acceleration due to gravity.

Special Conditions: NONE

DATE OF CALIBRATION 3/11/87 INSPECTOR Robert A. Bismore

**Oil & Gas Specialties** — Houston, Harvey, Lafayette

(SIGNATURE)

(SIGNATURE)

# NORMAN OFFSHORE PIPELINE CONTRACTORS, INC.

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A MINORITY BUSINESS ENTERPRISE

Phone (318) 237-1444  
P.O. Box 53907, O.C.S. • Lafayette, La. 70505

Page 1 of 2

PIPELINE COMPANY N.O.P.C. JOB NO: 1.137  
 PIPELINE CONTRACTOR McMoRan W.O.NO:  
 AFE NO:

TEST SECTION NO. \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 TEST BEGAN: DATE 6/20/87 TIME 0215 PRESSURE UNIT NO. \_\_\_\_\_ STATION NO. \_\_\_\_\_  
 TEST END: DATE 6/20/87 TIME 1030 ELEVATION -125'

PIPE DATA: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

DEADWEIGHT SERIAL NUMBER SI-5 DATE CERTIFIED 5/6/87  
 PRESSURE RECORDER SERIAL NUMBER MIG-134 DATE CERTIFIED 1/22/87  
 TEMPERATURE RECORDED SERIAL NUMBER T-17810 DATE CERTIFIED 1/22/87  
 TEST IS  ACCEPTED  REJECTED IF REJECTED, EXPLAIN \_\_\_\_\_

## DEADWEIGHT RECORD

### TEMPERATURE

TIME	PRESSURE	PIPE OR GROUND	REMARKS
0215	3255	71°	Test on 8" pipeline
0230	3255	71°	
0245	3255	71°	
0300	3255	71°	
0315	3255	71°	
0330	3255	71°	
0345	3255	71°	
0400	3255	71°	
0415	3255	71°	
0430	3255	71°	
0445	3255	71°	
0500	3255	71°	
0515	3255	71°	
0530	3255	71°	
0545	3254	71°	
0600	3255	71°	
0615	3255	71°	
0630	3254	71°	
0645	3254	71°	

TEST FOREMAN Ray Leonard  
 (SIGNATURE)

INSPECTOR [Signature]  
 (SIGNATURE)



NORMAN OFFSHORE PIPELINE CONTRACTORS, INC.



A MINORITY BUSINESS ENTERPRISE

Phone (318) 237-1444  
P.O. Box 53907, O.C.S. • Lafayette, La. 70505

Page 2 of 2

PIPELINE COMPANY N.O.P.C. JOB NO: 1.137  
PIPELINE CONTRACTOR McMoRan W.O.NO:  
AFE NO:

TEST SECTION NO. \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
TEST BEGAN: DATE 6/20/87 TIME 0215 PRESSURE UNIT NO. \_\_\_\_\_ STATION NO. \_\_\_\_\_  
TEST END: DATE 6/20/87 TIME 1030 ELEVATION -125'

PIPE DATA: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DEADWEIGHT SERIAL NUMBER SI-5 DATE CERTIFIED 5/6/87  
PRESSURE RECORDER SERIAL NUMBER MIG-134 DATE CERTIFIED 1/22/87  
TEMPERATURE RECORDED SERIAL NUMBER T-17810 DATE CERTIFIED 1/22/87  
TEST IS ACCEPTED REJECTED IF REJECTED, EXPLAIN \_\_\_\_\_

DEADWEIGHT RECORD

TEMPERATURE

TIME	PRESSURE	PIPE OR GROUND	REMARKS
0700	3254	71°	
0715	3254	71°	
0730	3253	74°	
0745	3253	75°	
0800	3254	75°	
0815	3253	74°	
0830	3253	74°	
0845	3253	75°	
0900	3253	76°	
0915	3253	76°	
0930	3253	76°	
0945	3253	76°	
1000	3253	76°	
1015	3253	76°	

(Test Complete Bleed Down)

TEST FOREMAN Ray Leedom  
(SIGNATURE)

INSPECTOR Larry J. Jene  
(SIGNATURE)

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TOP OF 8" RISER
McMoran BLK. 226-CJ
X = 1,657,352.45' Y = -6,049.75'
Lat. 28° 38' 44.307"N. Long. 92° 24' 04.792"W.

*Change description*



*X = 1,662,140*

X = 1,656,000'

X = 1,659,000'

Y = -7,000'

BLK. 226  
BLK. 237

B/L X = 1,657,501.19'  
Y = -7,094.24'

PT.	X	Y
226-CJ	1,657,352.45	-6,049.75 ✓
1	1,657,381.08	-6,217.92 ✓
2	1,657,503.10	-7,058.80 ✓
3	1,657,476.91	-7,543.55 ✓
4	1,657,433.20	-7,890.55 ✓
5	1,657,380.13	-8,015.98 ✓
6	1,657,232.12	-8,306.31 ✓
7	1,657,038.17	-8,914.37 ✓
8	1,656,946.21	-9,373.64 ✓
9	1,657,004.61	-9,846.84 ✓
237-B	1,657,295.12	-10,356.77 ✓

**AS BUILT 8" GAS PIPELINE**  
TOTAL LENGTH = 4,487.86' = 0.85 MI.

TOP OF 8" RISER
UN. TEX. PETR. BLK. 237-B
X = 1,657,295.12' Y = -10,356.77'
Lat. 28° 38' 01.669"N. Long. 92° 24' 04.985"W.

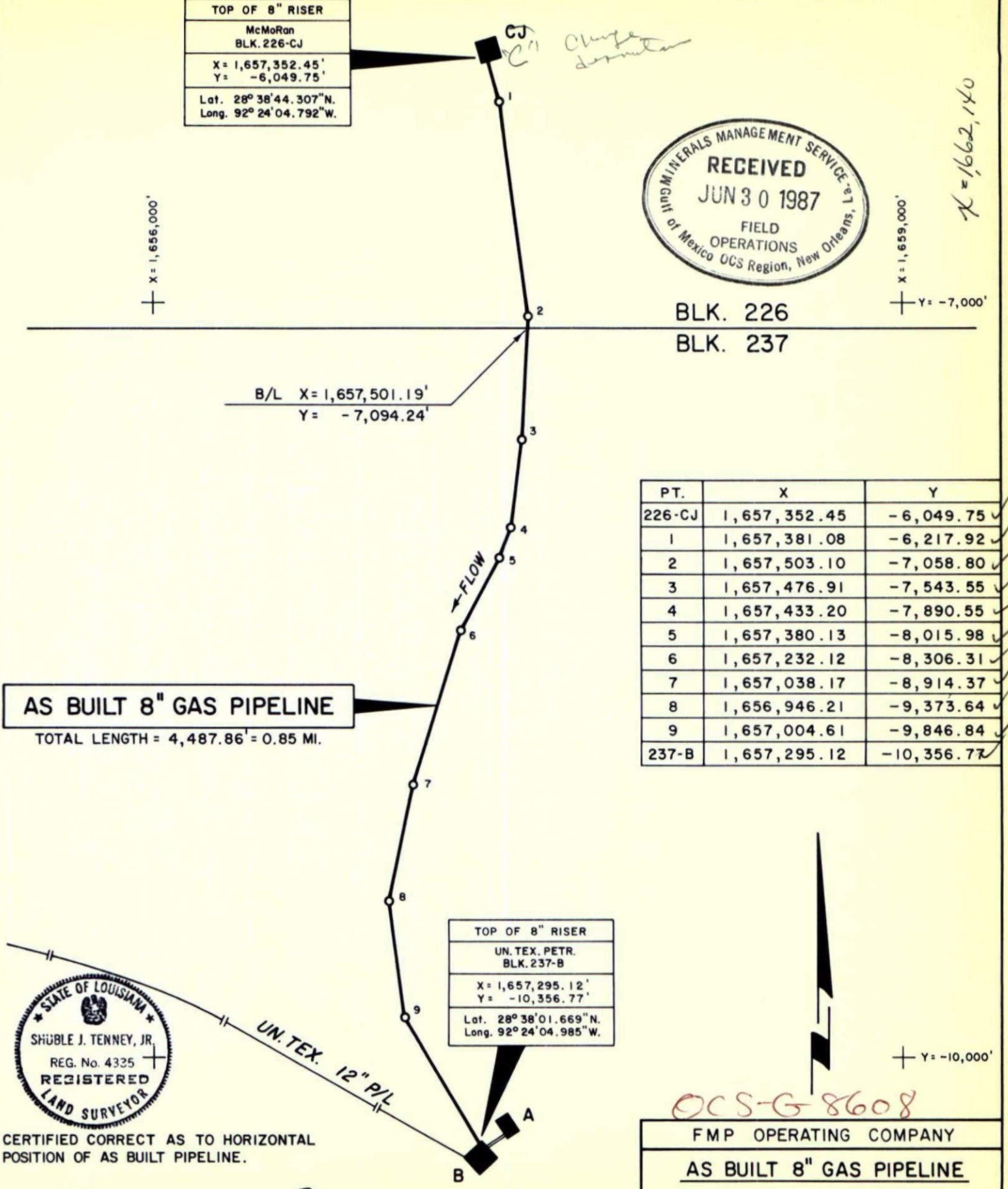


CERTIFIED CORRECT AS TO HORIZONTAL POSITION OF AS BUILT PIPELINE.

*Shuble J. Tenney, Jr.*  
Registered Land Surveyor No. 4335  
State of Louisiana  
John E. Chance & Associates, Inc.

*OCS-G-8608*  
FMP OPERATING COMPANY  
**AS BUILT 8" GAS PIPELINE**  
VERMILION AREA  
GULF OF MEXICO

SCALE: 1" = 500' 6/17/87



*Britton 4-22-87  
Kelly 4/23/87  
Lynn 4/24/87  
Oyler 4/24/87*

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*SN 8804*

**APR 24 1987**

In Reply Refer To: FO-2-2  
OCS-G 8608

Vermilion Area

FMP Operating Company

Right-of-Way

**ACTION: APPLICATION APPROVED**

Your application for a right-of-way 200 feet in width for the construction, operation, and maintenance of an 8 5/8-inch bulk gas pipeline, 0.84 miles in length, from FMP Operating Company's Platform CJ in Block 226, Vermilion Area, to Union Texas Petroleum Company's Platform B in Block 237, Vermilion Area, dated March 4, 1987, with its attachments, is hereby approved subject to the following:

1. Prior to construction, buoy Union Texas Petroleum Company's 12 3/4-inch pipeline in Block 237, Vermilion Area.
2. Prior to construction, buoy the following unidentified magnetic anomalies and avoid during pipeline installation activities:

<u>Line No.</u>	<u>Shot Point No.</u>	<u>Intensity (gammas)</u>	<u>Avoidance (feet)</u>
2	7.50	100	500
6	10.70	105	500
6	11.20	15	250
6	13.40	7	250
6	14.30	35	500
6	15.60	16	250
7	18.40	6	250

(Orig. Sgd.) J. Rogers Pearcy

J. Rogers Pearcy  
Regional Director

bcc: P/L OCS-G 8608 (FO-2-2)  
K. Faust (FO-2-2)  
ORD Reading File  
LE-5  
LE-3-1  
FO-6

ABritton:mcs:4/21/87:LEXITYPE Disk 6

UNITED STATES GOVERNMENT  
MEMORANDUM

April 17, 1987

To: Regional Supervisor, Field Operations, GOM OCS Region (FO)  
From: Regional Supervisor, Leasing and Environment, GOM OCS Region (LE)  
Subject: National Environmental Policy Act (NEPA) Review for Pipeline  
Right-of-Way Application OCS-G 8608

Action Submitted: March 5, 1987

Action Commencement: Upon Approval

McMoRan Oil and Gas Company  
Pipeline Right-of-Way Application  
Vermilion Area, Blocks 226 and 237

McMoRan proposes to install an 8" gas pipeline from the "CJ" Platform in Block 226 to the "B" Platform in Block 237.

Our NEPA review of the subject action is complete. The following environmental protective measures intended to avoid or mitigate potential impacts associated with the action are provided for inclusion in the plan/application approval letter:

1. The pipeline(s) identified below shall be buoyed prior to construction to prevent possible damage from lay barge anchors:

<u>Name</u>	<u>Diameter (inches)</u>	<u>Block(s)</u>	<u>Area</u>
Union Texas	12"	237	Vermilion

2. The unidentified magnetic anomaly/anomalies listed below, which may represent a historic shipwreck or associated cultural debris, shall be buoyed prior to pipeline construction and avoided during installation and when the applicant is installing lay barge anchors as indicated:

<u>Block</u>	<u>Line No.</u>	<u>Shot Point</u>	<u>Avoidance Criteria</u>
236	2	7.50	152 m (500 ft)
237	6	10.70	152 m (500 ft)
237	6	11.20	76 m (250 ft)
237	6	13.40	76 m (250 ft)
237	6	14.30	152 m (500 ft)



<u>Block</u>	<u>Line No.</u>	<u>Shot Point</u>	<u>Avoidance Criteria</u>
237	6	15.60	76 m (250 ft)
237	7	18.40	76 m (250 ft)



H. P. Sieverding

cc: Pipeline File OCS-G 8608 (LE-5)

CHill:gcw:4/16/87



005-65608

EDWIN W. EDWARDS  
GOVERNOR

DEPARTMENT OF NATURAL RESOURCES  
Coastal Management Division

B. JIM PORTER  
SECRETARY

March 31, 1987



Mr. Autry J. Britton, General Engineer  
Minerals Management Service  
P. O. Box 7944  
Metairie, LA 70010

RE: C870063, Coastal Zone Consistency  
**FMP Operating Company**  
Application for Right-of-Way for  
Proposed 8" Pipeline  
Vermilion Area, Offshore, Louisiana


Dear Mr. Britton:

After a careful review of the pipeline application of the above captioned project, the Coastal Management Division of the La. Dept. of Natural Resources concurs with the consistency certification provided by FMP Operating Company. Company Gas Company as required in Section 307(c)(3)(B) (Subpart E) of the Coastal Zone Management Act of 1972 as amended.

Sincerely,

B. JIM PORTER

BY:

  
C. G. Groat  
Assistant to the Secretary

BJP:CGG/BB/se

cc: Mr. Ron Ventola  
U.S. Army Corps of Engineers  
FMP Operating Company  
New Orleans, LA  
Mr. John Rankin, Minerals Management Service

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Date: 3-6-87

To: Right-of-Way Pipeline File OCS-G 8608 (LE)

Through: Supervisor, Platform/Pipeline Unit, Plans, Platform and Pipeline Section, Field Operations, Gulf of Mexico OCS Region (FO-2-2)

From: Petroleum Engineer, Platform/Pipeline Unit, Plans, Platform and Pipeline Section, Field Operations, Gulf of Mexico OCS Region (FO-2-2)

Subject: Pipeline Right-of-Way Application, Technical Review, \_\_\_\_\_  
FMP Operating Company OCS-G 8608

Size (inches)	Length (feet)	Service	From	To
<u>8 7/8</u>	<u>4451</u>	<u>BLKG</u>	<u>Platform "CJ"</u> <u>Block 226</u>	<u>Platform B</u> <u>Block 237</u> <u>Vermilion Area</u>

Recommendations:

- 1. The technical aspects of the proposed pipeline are acceptable in accordance with appropriate Regulations and Standards.
- 2. Advise applicant of Notice to Lessees and Operators No. 83-3.
- 3. Valve protection cover shall not protrude above the level of the mud line.
- 4. Subsea valves and taps associated with this pipeline shall be provided with a minimum of three feet of cover, either through burial, with sandbags, or other acceptable method.
- 5. \_\_\_\_\_

A. Britton  
A. Britton

cc: 1502-01 OCS-G 8608 (w/orig appln) (Seg. 8044) (FO-2-2)  
 OPS-5 (w/cy of plat) \_\_\_\_\_

*mmp*  
*4/13/89*  
*KZ*

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PIPELINE RIGHT-OF-WAY APPLICATION "ENGINEERING CHECKLIST"

MINERALS MANAGEMENT SERVICE  
GOM REGIONAL OFFICE

Date: 3-6-87

OCS-G 8608

A. Description of pipeline and location of proposed route (i.e., size of pipe, product to be transported, from where to where, platform number, name, block number, area, and distance in feet and miles): *for an 8 7/8-inch bulk gas pipeline, 4451 feet or 0.84 miles in length, from F.M.P. Operating Co.'s Platform "CJ" in Block 226, to Union Texas Petroleum Co.'s Platform B in Block 237, all located in Vermilion Area.*

B. Safety Flow Schematic - Verify that the information shown on the safety flow schematic diagram contains the following:

1. Pressure source is drawn into the schematic with the following:
  - a. source (i.e., name) Test Separator
  - b. design working pressure 2160 Psig
  - c. high-low pressure sensor settings PSV's set @ 1600 Psig
2. "ANSI" ratings of all valves, flanges, and fittings between the source and the connecting pipeline are shown.
3. Pressure relief valves, where applicable, are shown with the setting set no higher than the maximum working pressure (MWP) of the vessel.
- N/A 4. If the maximum input source pressure is greater than the maximum allowable operating pressure (MAOP) of the pipeline, redundant safety equipment is required.
- N/A 5. MAOP of proposed pipeline does not exceed MAOP of connecting pipeline.
6. The pipeline leaving the platform receiving production from the platform is equipped with high-low pressure sensors to directly or indirectly shut-in the well or wells on the platform.
7. The pipeline delivering production to the production facilities on the platform is equipped with an automatic fail-close valve tied into the automatic and remote shut-in system.
- N/A 8. The pipeline crossing the platform which does not deliver production to the platform, but which may or may not receive production from the platform, is equipped with high-low pressure sensors connected to an automatic fail-close valve located in the upstream portion of the pipeline at the platform. In addition, the sensors are tied into either the platform's automatic and remote shut-in system or an independent remote shut-in system.



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- 9. The pipeline boarding the platform/pipeline is equipped with a check valve.
- 10. The pipeline leaving the platform is equipped with a check valve.
- 11. The high-low pressure sensors on the departing pipeline is located upstream of the check valve.
- N/A 12. Where applicable, high-low sensors are located downstream of the back pressure regulator.
- N/A 13. If there is liquid injection into the line, are pumps associated with the injection? (Yes or No) \_\_\_\_\_
- 14. Direction of flow indicated.
- 15. Pipe specifications (i.e., size, grade, weight, and wall thickness).
- 16. Total length of proposed pipeline (feet and miles).
- N/A 17. MAOP of connecting pipeline.
- 18. Statement that design meets or exceeds DOT Regulations 192 or 195, as applicable, and/or applicable OCS orders, registered engineer's seal, registration number, date, and signature.
- 19. Area and block number of proposed pipeline/platform.
- 20. Cathodic protection specifications.

C. Design Information - Verify that the pipeline design information given in the application and/or on the data sheet is complete and correct:

- 1. Product to be transported: Buck gas
- 2. Pipeline, riser, and subsea valve assembly specifications:
  - (1) Size 8.625" Wall Thickness .500" Grade B Weight 43.39 lbs/ft.
  - (2) Size \_\_\_\_\_ Wall Thickness \_\_\_\_\_ Grade \_\_\_\_\_ Weight \_\_\_\_\_ lbs/ft.
  - (3) Size \_\_\_\_\_ Wall Thickness \_\_\_\_\_ Grade \_\_\_\_\_ Weight \_\_\_\_\_ lbs/ft.
- b. Riser:
  - (1) Size 8.625" Wall Thickness .719" Grade B Weight 60.69 lbs/ft.
  - (2) Size \_\_\_\_\_ Wall Thickness \_\_\_\_\_ Grade \_\_\_\_\_ Weight \_\_\_\_\_ lbs/ft.
  - (3) Size \_\_\_\_\_ Wall Thickness \_\_\_\_\_ Grade \_\_\_\_\_ Weight \_\_\_\_\_ lbs/ft.
- c. Subsea valve assembly:
  - (1) Size \_\_\_\_\_ Wall Thickness \_\_\_\_\_ Grade \_\_\_\_\_ Weight \_\_\_\_\_ lbs/ft.
  - (2) Size \_\_\_\_\_ Wall Thickness \_\_\_\_\_ Grade \_\_\_\_\_ Weight \_\_\_\_\_ lbs/ft.

3. Water depth: Maximum 125' Minimum 124'

4. Type of corrosion protection:

a. Impressed current system

b. Sacrificial anode system

(1) Type of anode ZINC

(2) Spacing interval 425 ft.

(3) Weight of unit anode given by applicant 90 lbs. ea.

c. If platform anodes are used, are they considered adequate?

Yes \_\_\_\_\_ No \_\_\_\_\_

d. If pipeline anodes are used:

Formula:  $L_{p/1} = 3.82 \times 10^4 \times W^0 / DIR = 38200 \times 90 / 8.625 \times 425 \times 26 = 304.5$

Where:

W<sup>0</sup> = Weight of Anode unit (lbs)

D = Dia. of pipe (inches)

I = Separation between anodes (ft.)

R = the following lbs/amp/year (Rate of Consumption)

Aluminum or Galvalum = 7.6

Zinc = 26

Magnesium = 17.5

Does the calculated life expectancy equal or exceed 20 years?

Yes ✓ No \_\_\_\_\_

5. Description of protective coating:

a. Pipeline — 14 mils of thin film epoxy

b. Riser — 14 mils of thin film epoxy plus 1/2" thick of Neoprene in splash zone (between -11' & +14')

c. Subsea valve assembly

N/A 6. Description of weighted coating:

a. Preconcrete coating \_\_\_\_\_

b. Density of concrete \_\_\_\_\_ PCF

c. Thickness of concrete \_\_\_\_\_

d. Thickness of asphalt \_\_\_\_\_

7. Calculate the specific gravity (one of the following formulae may be used)

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✓ a. For epoxy coating:  $SG = 2.865W/D^2 = 2.865 \times 43.39 / 74.39 = 1.67$

\_\_\_\_\_ b. Density comparison with fluid material:  $SG = \frac{W+P}{\frac{A}{R}}$

\_\_\_\_\_ c. Lines with a specific thickness of concrete:

$$SG = \frac{RC + K_2}{R (T - K_1)^2} \left( \frac{W+P - RC}{K_3} \right) \frac{1}{R}$$

\_\_\_\_\_ d. Lines having two coatings of enamel and a felt wrap, or only asphaltastic coating:

$$SG = \frac{W+P}{K_3}$$

Where:

- SG = specific gravity
- RC = density of concrete (lb/cu. ft.)
- K<sub>1</sub>, K<sub>2</sub>, K<sub>3</sub> = coefficients
- T = thickness of concrete coating (inches)
- W = weight of bare pipe (lb/ft)
- P = weight of coating
- R = density of fluid material (lb/cu. ft.); i.e., sea water = 64 lbs/cu. ft.
- D = diameter of pipe (inches)
- A = cross-sectional area

✓ \_\_\_\_\_ 8. Given specific gravity  
a. 1.66 b. \_\_\_\_\_ c. \_\_\_\_\_

✓ \_\_\_\_\_ 9. Gravity or density of product(s) 1.60 gm; 1.06 water; .84 condensate.

✓ \_\_\_\_\_ 10. Design capacity of pipeline 5,000 BPD Cond.; 5,000 BPD water; 50 MMSCFD GAS.

✓ \_\_\_\_\_ 11. Given Hydrostatic Test Pressure: Line Pipe 3240 psig Hold Time 8 hrs.  
Preinstallation Test \_\_\_\_\_ Riser 3240 psig Hold Time 8 hrs.

Recommended maximum hydrostatic body test for ANSI valves, flanges, and fittings are as follows:

- ANSI 300 - 1,100 psig
- ANSI 400 - 1,450 psig
- ANSI 600 - 2,175 psig
- ANSI 900 - 3,250 psig
- ANSI 1,500 - 5,400 psig

Note: Minimum hold times:

Gas = Line Pipe = 8 hrs.  
Riser = 4 hrs. (pretest)  
or DOT 192.507(c)

Liquid = 4 hrs. @ 125% of MOP  
Plus 4 hrs. @ 110% if leak inspection is not visible during test

12. Maximum Allowable Operating Pressure (MAOP) of line pipe:

$$MAOP = \frac{2st \times F \times E \times T}{D}$$

Note: F = .72; E = 1; T = 1

a. MAOP =  $\frac{2 \times 35,000 \times .500}{8.625} \times .72 = 2,922 \text{ Psig}$

b. MAOP =

c. MAOP =

13. MAOP of riser pipe.

Note: F = .50 for risers on natural gas transmission lines.

Note: F = .60 for risers on liquid pipelines.

a. MAOP =  $\frac{2 \times 35,000 \times .719}{8.625} \times .50 = 2,918 \text{ Psig}$

b. MAOP =

14. MAOP of flanges, fittings, and valves:

2.4 x ANSI rating =  $2.4 \times 900 = 2160 \text{ Psig}$

15. MAOP of proposed pipeline as determined in accordance with Title 49 CFR Part 195 or 192, as applicable, is 2160 psig.

16. Items 12, 13, and 14 above are equal to or more than the maximum allowable working pressure (MAWP) of source.

17. Verify: 1:25 maximum source pressure (MSP)  $\geq$  hydrostatic test pressure (HTP)  $\geq$  .95 (smaller IP @ SMYS of items 12 or 13 above)

$\frac{2000}{1} \geq \frac{3240}{1} \geq \frac{3855}{1}$

Note: The recommended limit of test as a percentage of internal pressure @ specified minimum yield strength is equal to 95%:

IP @ SMYS =  $\frac{2 \times s \times t}{D} = 4,058 \text{ Psig}$

18. Verify MAOP does not exceed the lowest of the following:

a. Submerged components: HTP/1.25 =  $2,592 \text{ Psig}$

b. Riser: HTP/1.5 =  $2,160 \text{ Psig}$

N/A 19. Valve guards used: Yes \_\_\_\_\_ No \_\_\_\_\_

D. Installation Requirements:

✓ 1. All pipelines will be installed or laid to a minimum of three feet below the level of the mudline out to and including the 200 foot water depth, except at pipeline crossings. Any deviation must be justified at the time of application.

N/A 2. All valves and taps must be provided with a minimum of three feet of actual cover either with soil or sandbags or jetted to a minimum of three feet below the mudline. If *AMS* approved valve protection covers are used, the valves and taps are NOT required to have a minimum of three feet of actual cover or jetted three feet below the mudline. However, the top of the valve protection cover shall not protrude above the level of the mudline. Any deviation must be justified at the time of application.

E. Pipeline Crossings:

N/A 1. All pipeline crossings in water depths up to and including 200 feet shall be cement-bagged with a minimum of 18 inches between the lines with the uppermost line having a minimum of 3 feet of cover in the form of cement bags installed so as to provide a three foot horizontal to a one foot vertical (3:1) slope with a crown width that is one and one-half (1½) times the pipe diameter. Any deviation must be justified at the time of application.

N/A 2. All pipeline crossings in water depths greater than 200 feet shall be cement bagged with a minimum of 18 inches between the lines and installed so as to provide a three foot horizontal to a one foot vertical (3:1) slope. Any deviation must be justified at the time of application.

F. Construction Information:

✓ 1. Proposed construction commencement date - JUNE 1, 1987

\_\_\_\_\_ 2. Method of construction

\_\_\_\_\_ 3. Method of burial

\_\_\_\_\_ 4. Time required to lay pipe

✓ 5. Time required to complete project - 30 days

Per Charles Dakey Jr.  
on 3-6-87 *afz*

G. Applicant complies with current OCS pipeline guidelines:

Yes ✓ No \_\_\_\_\_

OCS-G 8608

McMoran Oil & Gas Co.  
Managing General Partner for  
FMP Operating Company, A Limited Partnership

A. R. FISHER  
SENIOR EXECUTIVE VICE PRESIDENT  
ENGINEERING



March 4, 1987

Minerals Management Service  
Gulf of Mexico OCS Region  
1201 Wholesalers Parkway  
New Orleans, Louisiana 70123-2394

Attention: Regional Supervisor  
Office of Field Operations  
(Ref. FO 2-2)

Re: Right-of-Way Application for an  
Eight-Inch Pipeline  
Vermilion Area

Gentlemen:

Pursuant to the authority granted in Section 5 (e) of the Outer Continental Shelf Lands Act (43 U.S.C. 1331), as amended (92 Sta. 629), and in compliance with the regulations contained in Title 30 CFR 256 Subpart N., FMP Operating Company, hereinafter referred to as FMP, is filing this application in quadruplicate for a right-of-way two hundred feet (200') in width for the construction, maintenance and operation of an eight-inch three phase pipeline between Blocks 226 and 237 in the Vermilion Area of the Gulf of Mexico. FMP agrees that said right-of-way, if approved, will be subject to the terms and conditions of said regulations.

FMP Operating Company is designated as operator of this proposed pipeline and has furnished the required OCS Right-of-Way Grant Bond (reference N.O. Misc. No. 963).

In support of our application and for your review and use, the following maps, drawings and documents have been enclosed herewith and made a part hereof:

1. Attachment "A" - List of Lessees and Right-of-Way Holders
2. Vicinity Map
3. Route Map and Profile Drawing
4. Safety Schematic - 8" Pipeline



5. General Information - 8" Three Phase Pipeline
6. Nondiscrimination in Employment Form
7. Archeological, Engineering and Hazard Survey

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. 95-372), including the following: Sec. 5(e) addressing pipeline right-of-way, 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 nondiscriminatory access to both owner and non-owner shippers; Sec. 5(f)(2) which may allow exemption of the requirements in Sec. 5(f)(1); Sec. 5(e), addressing the assuring of maximum environmental protection, including the safest practices for pipeline installation; 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.

Additionally, we expressly agree that if any site, structure, or object of historical or archeological significance should be discovered during the conduct of any operation within the permitted right-of-way, we shall report immediately such findings to the Regional Manager, Gulf of Mexico OCS Region, and make every reasonable effort to preserve and protect the cultural resource from damage until said Manager has given directions as to its preservation.

In accordance with applicable regulations, the applicant has delivered a copy of the proposed right-of-way plan by certified mail, return receipt requested, to each lessee or right of way holder whose lease or right-of-way is so affected. A list of such lessees or right-of-way holders is given in Attachment "A" and copies of the return receipts showing date and signature as evidence of service upon such lessees or right-of-way holder will be forwarded to your office when received.

FMP hereby certified that the proposed activity described in this application complies with and will be conducted in a manner that is consistent with the Coastal Zone Management Programs of the State of Louisiana.

Further, FMP hereby agrees to keep open at all reasonable times for inspection by the Minerals Management Service, the area covered by this right-of-way and all improvements, structures, and fixtures thereon and all records relative to the design, construction, operation, maintenance, and repairs, or investigations on or with regard to such area.

A check (No. JO 0045856) in the amount of \$115.00 of which \$100.00 covers the application filing fee and \$15.00 covers the first year's rental on .84 miles of right-of-way is also enclosed.

FMP Operating Company has made its best efforts to ensure that the information included in this application is complete, correct and complies

with current OCS pipeline guidelines. If this information meets with your approval, we would appreciate your issuing the necessary permit for the right-of-way at your earliest convenience.

FMP Operating Company,  
a Limited Partnership  
By: McMoran Oil & Gas Co., as  
Managing General Partner

By:   
A. R. Fisher

Title: Attorney-in-Fact

Date: 2/27/87

CPC/lsm  
Attachments



FMP Operating Company

Eight Inch Three Phase Pipeline  
Vermilion Area

General Information

A. Location:

This 8.625 inch O.D. pipeline will be used to transport gas well production from FMP Operating Company's OCS-G-5195, Vermilion 226 "CJ" platform from Union Texas Petroleum's OCS-G-6677, Vermilion 237 "B" platform.

B. Product Transported:

Oil, gas and water

C. Length:

Calculated length of pipeline is 4452 feet.

D. Risers and Linepipe Materials:

1. Risers:

Type: ANSI 106 Grade B Seamless pipe  
Outside Diameter: 8.625 inch  
Wall Thickness: 0.719 inch  
Bare Weight: 60.69 lbs. per foot

2. Linepipe:

Type: API 5L Grade B Seamless pipe  
Outside Diameter: 8.625 inch  
Wall Thickness: 0.500 inch  
Bare Weight: 43.39 lbs. per foot

E. Protective Coating:

1. External Coating:

Riser pipe in the splash zone (between -11 feet and +14 feet) will be protected with a 1/2 inch thick external coating of neoprene.

The remainder of the pipeline will be protected by a 14 mil thick external coating of thin film thermoset epoxy.

2. Internal Coating:

The analysis of the transported products will be monitored and preventive measure such as pigging and/or inhibiting will be employed as necessary.

F. Cathodic Protection:

Cathodic protection will be provided by 90 lb zinc bracelet type anodes installed at 425 foot intervals between the base of the riser at VR-226 "CJ" and the riser at VR-237 "B". The sacrificial anode are design for 40 year life and are to be replaced as necessary to extend the life of the pipeline.

G. Water Depth:

Minimum: 124 feet  
Maximum: 125 feet

H. Specific Gravity:

Bulk specific gravity with the line empty = 1.66

I. Product Density:

Anticipated density of products at operating conditions is as follows:

Gas = 0.6 sp. gr.  
Water = 1.06 sp. gr.  
Condensate = 0.84 sp. gr.

J. Design Criteria:

Design working pressure: 2160 psig  
Design capacity: 1,000 BPD Condensate  
3,000 BPD Water  
50 MMSCFD Gas

Maximum allowable working pressure: 2160 psig

Maximum capacity: 5,000 BPD Oil  
5,000 BPD Water  
80 MMSCFD Gas

K. Hydrostatic Test:

The entire line, including risers, shall be tested to 3240 psig (2160 X 1.5) for a period of 8 hours.

L. Calculated:

Calculated maximum allowable working pressure of the risers is 2917 psig.

Calculated maximum allowable working pressure of the line pipe is 2921 psig.

M. Pumps:

Pumps and/or prime movers are not utilized. Well production will flow under well pressure from VR-226 "CJ" to VR-237 "B".

N. Agreements:

FMP Operating Company has noted and will comply with applicable agreements listed in Part 1, Section I, Item H "AGREEMENTS", of the Pipeline Guidelines and Procedures Handbook, dated March 1984, (Revised September 1984) as follows:

1. All pipeline related platform safety equipment as specified by OCS Order No. 9 will be installed unless a specific departure, for its omission, is obtained pursuant to OCS Order No. 9 and 30 CFR 25.11b.
2. The appropriate MMS personnel shall be notified 5 days prior to commencing the installation of the pipeline and 48 hours prior to hydrostatic pressure testing the pipeline.
3. The pipeline will be installed in compliance with Notice to Lessees and Operators No. 83-3.
4. A completion report will be submitted within 90 days after completion of construction, consisting of the following:
  - a. Four copies of an "As Built" Plat showing the location, including the x and y coordinates of key points, of the "as installed" pipeline.
  - b. Copies of the hydrotest chart showing test pressure and hold time.
5. FMP Operating Company will notify the MMS of breaks, leaks, failures, or accidents relating to pipelines within 12 hours of

such occurrence in accordance with Notice to Lessees and Operators No. 80-9.

6. Approval will be obtained from the MMS prior to initiating any changes to the pipeline, including: rerouting, modification (change of equipment, service, flow direction, etc.), abandonment, repairs and/or reactivation.

O. Company Contact:

Should further information be required, contact:

FMP Operating Company  
c/o McMoran Oil & Gas Co.  
1615 Poydras Street  
Post Office Box 60004  
New Orleans, Louisiana 70160

Attention: Mr. C. E. Dokey, Jr.  
Manager - Regulatory Affairs

Telephone: (504) 582-4530

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE

NONDISCRIMINATION IN EMPLOYMENT

As a condition precedent to the approval of the granting of the subject pipeline right-of-way, the grantee, FMP Operating Company, 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:

During the performance under this grant, the grantee shall fully comply with paragraphs (1) through (7) of section 202 of Executive Order 11246, as amended, (reprinted in 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.

FMP Operating Company,  
a Limited Partnership  
By: McMoran Oil & Gas Co., as  
Managing General Partner

By:

  
A. R. Fisher

Title:

Attorney-in-Fact

Date:

2/27/87

ATTACHMENT "A"

8" Three-Phase Pipeline

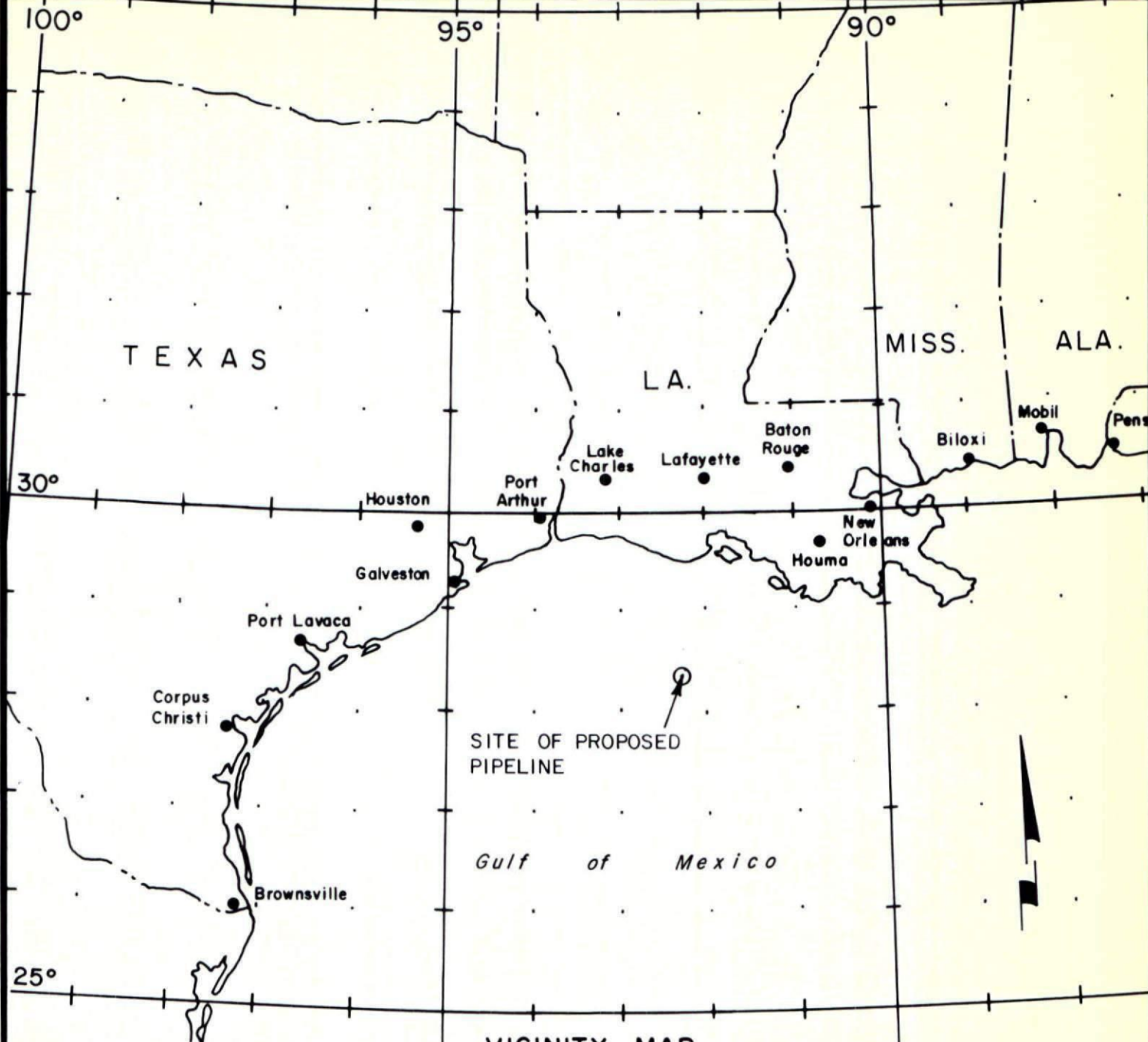
The following Lessees and Rights-of-Way holders were furnished a copy of the application filing with a plat showing the proposed routing of the eight-inch pipeline by Certified Mail, Return Receipt requested. (Note: The status of blocks listed below was current as of 2/12/87.)

Vermilion Block 226

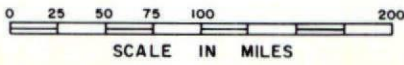
Continental Land & Fur Co., Inc.	OCS-G-5195	Oil and Gas Lease
Robert A. Day, Jr.	OCS-G-5195	Oil and Gas Lease
Diamond Shamrock Exploration Co.	OCS-G-5195	Oil and Gas Lease
Apache Corporation	OCS-G-5195	Oil and Gas Lease
FMP Operating Company	OCS-G-5195	Oil and Gas Lease

Vermilion Block 237

Agip Petroleum	OCS-G-6677	Oil and Gas Lease
Minatome Corporation	OCS-G-6677	Oil and Gas Lease
Union Texas Petroleum	OCS-G-6677	Oil and Gas Lease
Union Texas Petroleum		Pipeline R/W



**VICINITY MAP**



APPLICATION BY  
 FMP OPERATING COMPANY  
 NEW ORLEANS, LOUISIANA  
 FEBRUARY 23, 1987

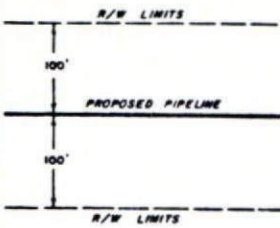
PROPOSED 8" GAS PIPELINE  
 VERMILION AREA  
 GULF OF MEXICO

FMP  
OCS-G-5195

BLK. 226

BLK. 237

TOTAL LENGTH = 4451.27' = .84 MILE  
**PROPOSED 8" GAS PIPELINE**



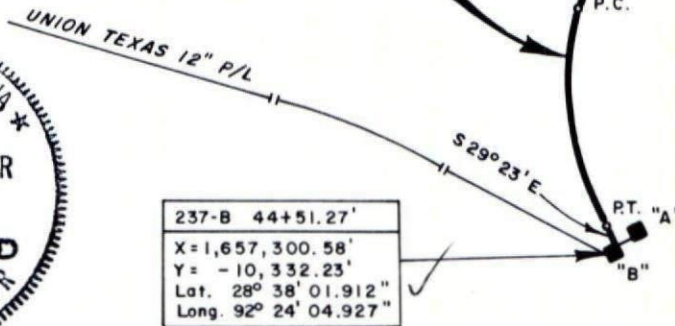
226-CJ	0+00
X =	1,657,323.10'
Y =	-6,035.20'
Lat.	28° 38' 44.448"
Long.	92° 24' 05.123"

11+03.13'
X = 1,657,595.73'
Y = -7,094.24'

CURVE DATA	
P.C. 5+00.00'	R = 1500.00'
X = 1,657,499.97'	Δ = 35° 07' 11"
Y = -6,502.87'	T = 474.67'
P.T. 14+19.43'	L = 919.43'
X = 1,657,549.81'	
Y = -7,406.60'	

UNION TEXAS  
OCS-G-6677

CURVE DATA	
P.C. 32+04.95'	R = 1500.00'
X = 1,657,105.69'	Δ = 43° 47' 11"
Y = -9,136.00'	T = 602.79'
P.T. 43+51.27'	L = 1146.32'
X = 1,657,251.51'	
Y = -10,245.09'	

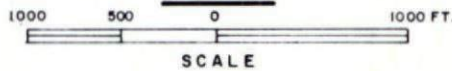


237-B	44+51.27'
X =	1,657,300.58'
Y =	-10,332.23'
Lat.	28° 38' 01.912"
Long.	92° 24' 04.927"

THE RIGHT-OF-WAY OF PROPOSED PIPELINE IS ACCURATELY REPRESENTED.

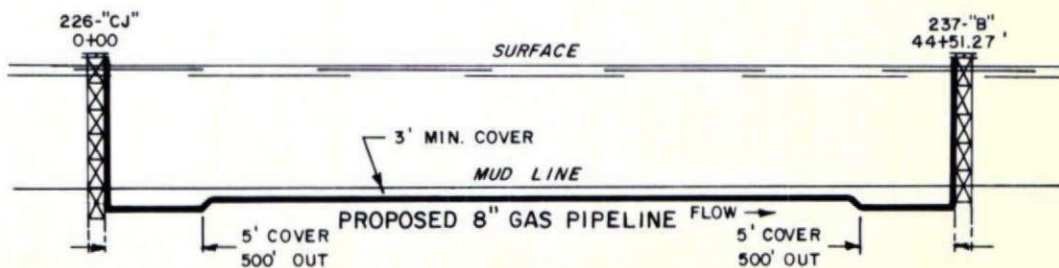
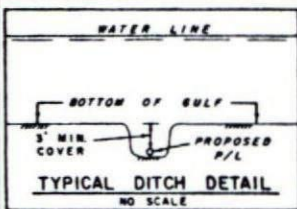
*Lionel J. Cormier*  
REGISTERED LAND SURVEYOR NO. 4401  
STATE OF LOUISIANA  
JOHN E. CHANCE & ASSOCIATES, INC.

**PLAN**



THE DESIGN CHARACTERISTICS OF THIS PIPELINE ARE IN COMPLIANCE WITH D.O.T. REGULATIONS.

AREA ENGINEER



APPROX. 1706 CUBIC YARDS OF SPOIL  
SPOIL TO BE DEPOSITED SO AS NOT TO REDUCE  
WATER DEPTH MORE THAN 0.5 FOOT.

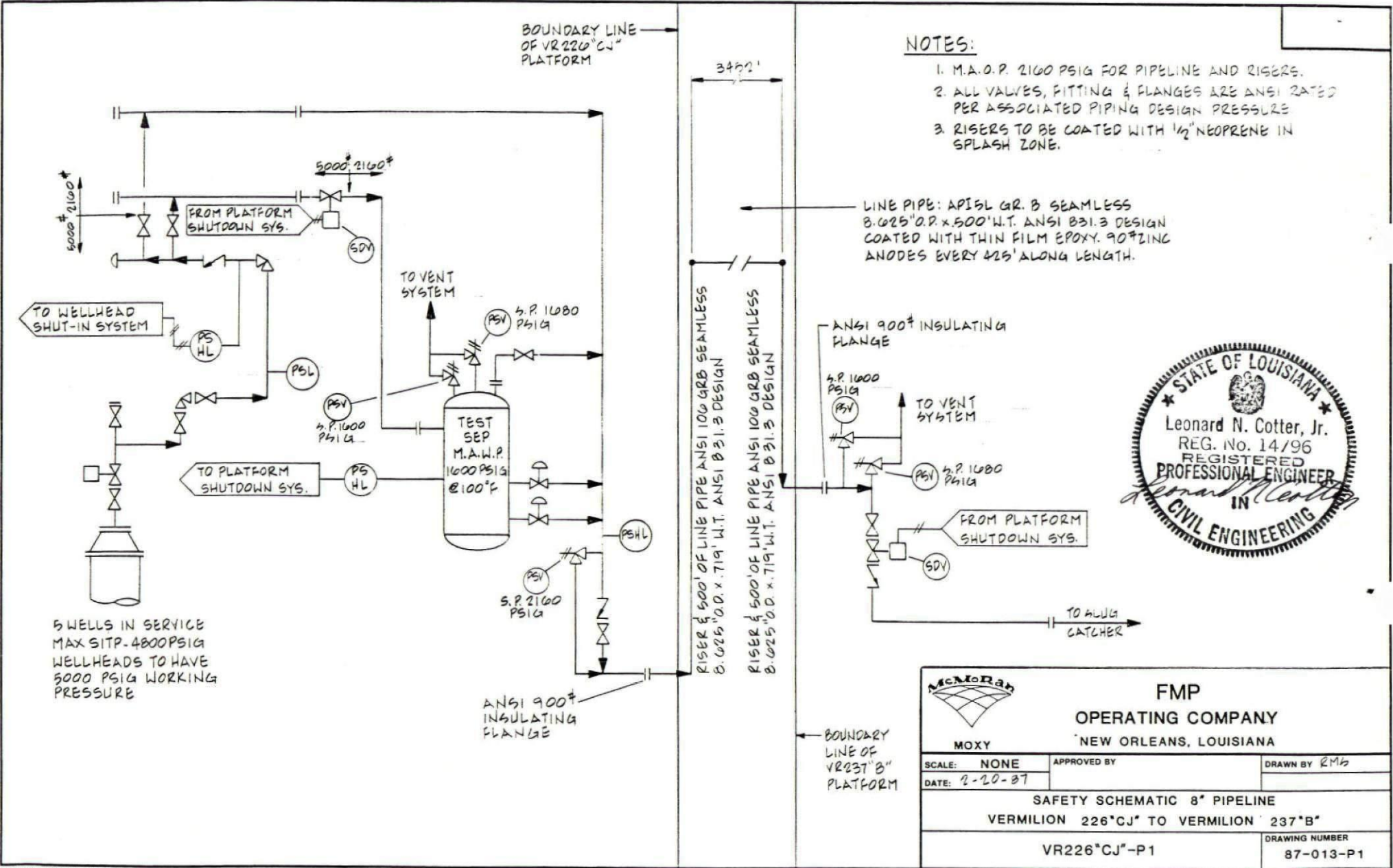
**PROFILE**



APPLICATION BY  
FMP OPERATING COMPANY  
NEW ORLEANS, LOUISIANA  
FEBRUARY 23, 1987

PROPOSED 8" GAS PIPELINE  
VERMILION AREA  
GULF OF MEXICO

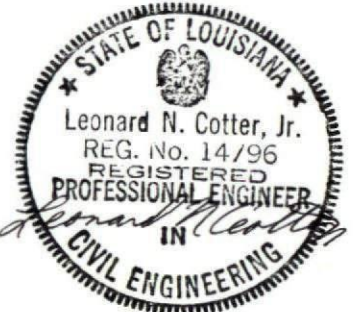





**NOTES:**

1. M.A.O.P. 2160 PSIG FOR PIPELINE AND RISERS.
2. ALL VALVES, FITTING & FLANGES ARE ANSI RATED PER ASSOCIATED PIPING DESIGN PRESSURE
3. RISERS TO BE COATED WITH 1/2" NEOPRENE IN SPLASH ZONE.

LINE PIPE: API 5L GR. B SEAMLESS  
 8.625" O.D. x .500" W.T. ANSI B31.3 DESIGN  
 COATED WITH THIN FILM EPOXY. 90# ZINC ANODES EVERY 425' ALONG LENGTH.



 <b>FMP</b> <b>OPERATING COMPANY</b> NEW ORLEANS, LOUISIANA		
SCALE: NONE	APPROVED BY	DRAWN BY RMB
DATE: 2-20-87		
SAFETY SCHEMATIC 8" PIPELINE VERMILION 226° CJ° TO VERMILION 237° B°		
VR226° CJ°-P1		DRAWING NUMBER 87-013-P1