1. Box 36

7086 M Meng 7/9/01

Melson 6/1/04

G11731

In Reply Refer To: MS 5421

GOM Company Number 2237

APR 2 0 2004

ACTION

Noble Energy, Inc.

Oil & Gas

ACCEPTANCE OF MERGER

On December 19, 2003, there was filed in this office for approval evidence of a merger of Samedan Oil Corporation (GOM Company Number 0185), with and into Noble Energy, Inc. (GOM Company Number 2237), effective December 31, 2002.

The name of the surviving corporation is Noble Energy, Inc. and the identification number assigned thereto is GOM Company Number 2237.

Since the transfer and vesting of property rights in the surviving corporation have been affected by State statues by operation of law and not by individual conveyances, the merger is hereby accepted insofar as it affects pipeline right-of-way grants under 30 CFR 250, Subpart J, and oil and gas leases, including operating rights, under 30 CFR 256. The change in ownership as to the pipeline right-of-way grants and oil and gas leases, including operating rights, as set forth on Exhibit A attached hereto is recognized and the records so noted.

Steven K. Waddell, CPL Supervisor, Adjudication Unit Leasing and Environment

bc: 1101-02f, GOM Company Number 2237 (MS 5421) 1502-01, Right-of-Way files (MS 5232) TIMS (MS 5421)

SWaddell:mm:04/06/04:c:\my documents\Noble merger.doc



Samedan Oil Corporation (GOM Co. #0185) MINERALS MAGNT. SERVICE with and into

Noble Energy, Inc. (GOM Co. #2237)

JAN 12 2004 GULF OF MEXICO OCS RGN. ADJUDICATION UNIT

RECORD TITLE

00038	G 02322	G 03593
00040	G 02359	G 03757
00042	G 02360	G 03793
00063	G 02361	G 03811
00064	G 02567	G 03949
00065	G 02595	G 04081
00066	G 02596	G 04098
00067	G 02598	G 04215
00068	G 02601	G 04270
00069	G 02690	G 04473
00072	G 02705	G 04508
00073	G 02712	G 04579
00074	G 02716	G 04794
G 00996	G 02724	G 04800
G 01023	G 02750	G 04818
G 01028	G 02754	G 04832
G 01029	G 02872	G 05006
G 01127	G 02895	G 05050
G 01253	G 02939	G 05052
G 01256	G 03079	G 05370
G 01269	G 03108	G 05438
G 01526	G 03128	G 05479
G 01676	G 03177	G 05611
G 01677	G 03328	G 05668
G 02023	G 03377	G 05693
G 02024	G 03388	G 05841
G 02176	G 03414	G 06044
G 02263	G 03481	G 06069
G 02300	G 03520	G 06085

Federal OCS Leases affected by the merger of Samedan Oil Corporation (GOM Co. #0185) with and into

RECORD TITLE		
G 06086	G 15104	G 19761
G 06113	G 15141	G 19796
G 06136	G 15161	G 19960
G 06805	G 15212	G 19980
G 06946	G 15261	G 19982
G 07227	G 16239	G 20030
G 07760	G 16317	G 20048
G 07802	G 16361	G 20800
G 07836	G 16473	G 21051
G 08549	G 16535	G 21059
G 08658	G 16541	G 21091
G 08690	G 16583	G 21097
G 08765	G 16624	G 21098
G 09478	G 16650	G 21108
G 09514	G 16676	G 21145
G 09524	G 16727	G 21155
G 09631	G 17255	G 21177
G 10636	G 17259	G 21180
G 10687	G 17261	G 21188
G 10720	G 17267	G 21202
G 10815	G 17964	G 21233
G 10878	G 17991	G 21235
G 11881	G 18168	G 21310
G 12807	G 18273	G 21353
G 13032	G 19006	G 21355
G 13342	G 19016	G 21368
G 13576	G 19167	G 21371
G 13606	G 19180	G 21554
G 14348	G 19760	G 21555

Federal OCS Leases affected by the merger of Samedan Oil Corporation (GOM Co. #0185) with and into

RECORD TITLE		
G 21556	G 22642	G 23827
G 21558	G 22645	G 23828
G 21559	G 22697	G 23923
G 21560	G 22762	G 23939
G 21584	G 22793	G 23946
G 21602	G 22794	G 24054
G 21615	G 22795	G 24106
G 21657	G 22826	G 24113
G 21712	G 22854	G 24119
G 21721	G 22859	G 24123
G 21732	G 22860	G 24150
G 21739	G 22862	G 24156
G 21751	G 22863	G 24157
G 21813	G 22891	G 24158
G 21814	G 22907	
G 21817	G 22908	
G 21822	G 22911	
G 22165	G 22912	
G 22166	G 22913	
G 22251	G 22921	•
G 22253	G 22922	
G 22266	G 22970	
G 22540	G 23006	
G 22551	G 23007	
G 22552	G 23009	
G 22598	G 23010	
G 22599	G 23011	
G 22627	G 23258	
G 22637	G 23826	

Federal OCS Oil and Gas Leases affected by the merger of Samedan Oil Corporation (GOM Co. #0185) with and into

0	P	FR	Δ'	TI	N	G	ÐΙ	GH'	T۲
$\mathbf{\circ}$			~		14	u		~11	

00146	G 04215	G 12465
G 00993	G 04558	G 13035
G 01027	G 04818	G 13980
G 01030	G 05370	G 13981
G 01127	G 05438	G 13982
G 01143	G 05611	G 13983
G 01144	G 05668	G 13984
G 01526	G 05685	G 15212
G 02037	G 05693	G 15441
G 02113	G 06069	G 15444
G 02322	G 06946	G 15445
G 02388	G 08187	G 16315
G 02412	G 08658	G 16317
G 02416	G 08690	G 16473
G 02601	G 08765	G 17789
G 02712	G 09478	G 17815
G 02719	G 09514	G 17964
G 02872	G 09522	G 17991
G 02895	G 10741	G 18168
G 03068	G 10926	G 19760
G 03087	G 10929	G 19761
G 03141	G 10930	G 20114
G 03256	G 10931	G 22540
G 03394	G 10932	G 22627
G 03798	G 10933	G 22793
G 03811	G 10934	
G 03949	G 11881	
G 04081	G 12019	
G 04082	G 12020	

Federal OCS Leases affected by the merger of Samedan Oil Corporation (GOM Co. #0185) with and into

PIPELII	NE R	IGHT:	S-OF	-WAY

I II PRIME WALLED		
G 03720	G 12377	G 15686
G 04355	G 13234	G 15695
G 04374	G 13235	G 15696
G 04643	G 13236	G 15982
G 05120	G 13426	G 16005
G 05132	G 13454	G 16031
G 07545	G 13701	G 16061
G 07568	G 14081	G 17040
G 08049	G 14099	G 18823
G 08518	G 14257	G 20498
G 08935	G 14684	G 20515
G 10078	G 14685	G 20584
G 10080	G 14686	G 21038
G 10081	G 14699	G 21892
G 10095	G 14965	G 22378
G 10096	G 14966	G 22418
G 10532	G 14989	G 22458
G 11731	G 15038	G 23434
G 12305	G 15046	G 25353
G 12306	G 15047	G 25354
G 12338	G, 15672	
G 12371	G 15673	1

Patt 7.9.99 10-16-99

In Reply Refer To: MS 5232

OCT 04 1999

Mr. Dan O. Dinges Energy Development Corporation 3500 Glenborough, Suite 240 Houston, Texas 77067-3299

Dear Mr. Dinges:

Pursuant to 30 CFR 250.1000(b), the relinquishment of the right-of-way grant associated with the following pipeline is hereby accepted effective June 24, 1999:

Pipeline Segment No.	Size (inches)	Length (feet)	Service	From	<u>To</u>
7086 (Right-of-Way		2,361	Gas	The Federal/State Boundary Block 42 Breton Sound Area Lease OCS-G 8751	A 24-inch Block 42 Breton Sound Area Lease OCS-G 8751 Segment No. 3427 Right-of-Way OCS-G 1689

Your letter dated June 14, 1999, requests approval to permanently abandon in place approximately 2,361 feet (0.45 miles) of 4 1/2-inch pipeline designated as Segment No. 7086, and to relinquish in its entirety, Right-of-Way Grant OCS-G 11731, 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, Energy Development Corporation shall be required to remove it.

Your letter states this pipeline was abandoned on June 29, 1994, prior to Samedan Oil Corporation's purchase of Energy Development Corporation.

Sincerely,

(orig. sgd.) A. P. Alvarado

Donald C. Howard Regional Supervisor Field Operations

bcc: /1502-01 Segment No. 7086, ROW OCS-G 11731 (MS 5232) 1502-01 ROW OCS-G 11731 (Microfilm) (MS 5033) MS 5232 Carto

FPatton:amm:7/9/99:Energy.086

5232

ENERGY DEVELOPMENT CORPORATION

350 GLENBOROUGH, SUITE 240 HOUSTON, TEXAS 77067 (281) 876-6250 (281) 876-6206 (Fax)

June 14, 1999

United States Department of the Interior Minerals Management Service 1201 Elmwood Park Blvd. (MS5330) New Orleans, Louisiana 70123-2394

Attn: Mr. Alex Alvarado

Pipeline Unit Unit Supervisor

Re: Pipeline Abandonment and Relinquishment

Breton Sound Block 39 to Breton Sound Block 42, 24" SSTI

4-1/2" Gas Pipeline, Right-of-Way No. OCS-G-11731

Segment No. 7086. Offshore, Louisiana

Gentlemen:

In accordance with Title 30 CFR Part 250, Subpart J, Energy Development Corporation hereby requests approval to relinquish all rights to the subject 4-1/2" gas pipeline. This 4-1/2" gas pipeline extends approximately 0.45 miles from the Breton Sound Block 39 Federal/State line to a 24" subsea tie-in at Texas Eastern Transmission Corporation's pipeline in the Breton Sound Block 42 (OCS-G-1689) Area. The pipeline was abandoned-in-place on June 29, 1994, as follows:

The pipeline was disconnected from Texas Eastern's 24" SSTI in Breton Sound Block 42. A pig and 8,000 gallons of inhibited bay water were pumped back to the platform to flush the 4-1/2" pipeline of all hydrocarbons. Then the riser was disconnected 30' from the platform, ANSI 600 blind flanges were installed on both ends of the pipeline, and the flanged ends were jetted down to a minimum of three feet (3') of cover.

Please note, Samedan Oil Corporation purchased Energy Development Corporation in 1996 and assumed ownership of its records as well. However, todate, Samedan has been unable to locate the permit for this pipeline abandonment.



Pipeline Abandonment and Relinquishment Breton Sound Block 39 to Breton Sound Block 42, 24" SSTI 4-1/2" Gas Pipeline, Right-of-Way No. OCS-G-11731 Segment No. 7086 June 14, 1999 Page 2

If further information is required, please contact Pam Tullos at (281) 876-6274.

Sincerely,

ENERGY DEVELOPMENT CORPORATION

Dan O. Dinges

Senior Vice President

Division General Manager

DOD/PT/sb

Williams 6-18-90 Howard & 118/20 Stouffer 6/18/40

In Reply Refer To: MS 5232 (OCS-G 11731)

JUN 1 9 1990

Energy Development Corporation Attention: Mr. H. M. Macmillan, Jr. 1000 Louisiana, Suite 2900 Houston, Texas 77002

Gentlemen:

Pursuant to the authority granted by 43 U.S.C. 1334(e) and 30 CFR 250.150(d), your application dated February 15, 1990, for a pipeline right-of-way two-hundred feet (200') in width for the operation and maintenance of a 4 1/2-inch pipeline, 0.45 miles in length, is hereby approved, as proposed.

The existing pipeline will transport gas from the Federal/State line to a subsea tie-in with Texas Eastern Transmission Corporation's 24-inch pipeline (OCS-G 1689) all in Block 42, Breton Sound Area.

The pipeline was originally approved on August 2, 1984, and assigned Segment No. 7086.

Based on our analysis, the maximum allowable operating pressure for this pipeline will be 1,440 psig.

Sincerely,

(Orig. Sgd.) A. Donald Giroir

D. J. Bourgeois Regional Supervisor Field Operations

cc: Department of Transportation 2320 La Branch, Room 2116 Houston, Texas (w/appln)

bcc: 1502-01 (P/L OCS-G 11731), w/encl (MS 5232) MS 5033 (P/L OCS-G 11731) (CWilliams)

MS 5250

MS 5421, w/receipt
MS 5232 (Carto), w/plat

CCWilliams: lr: gtj: Lexidisk/Carol

Jan 1086

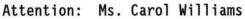
92 /2/90

Pog



February 15, 1990

Mr. Daniel J. Bourgeois Regional Director Office of Field Operations U. S. Department of the Interior Minerals Management Service 1201 Elmwood Park Boulevard New Orleans, Louisiana 70123-2394



F0-2-2

RE: Application for a 4.500" Natural Gas Right-of-Way Pipeline Installed In and/or Through Blocks 39 and 42, Breton Sound Area, Gulf of Mexico, Offshore, Louisiana

Gentlemen:

Pursuant to the authority granted in Section 5 (e) of the Outer Continental Shelf Lands Act (67 Stat. 462) (43 U.S.C. 1331), as amended (92 Sta. 629), and in compliance with the regulations contained in Title 30 CFR, Part 250, Subpart J, Energy Development Corporation (Energy Development) is filing this application in quadruplicate (original and three copies) for a rightof-way two hundred feet (200') in width for the maintenance and operation of an existing 4.500" natural gas pipeline in the Breton Sound Area, Gulf of Mexico. Energy Development agrees that said right-of-way, if approved, will be subject to the terms and conditions of said regulations.

This 4.500" pipeline will be used to transport natural gas production from Energy Development's State Lease 13044, Well No. 4 located in State Waters in Breton Sound Block 39 to a subsea tie-in point with Texas Eastern Transmission Corporation's (TETCO) existing 24" pipeline located in Federal Waters in Breton Sound Block 42. Energy Development will construct and install a 1845' extension to the State portion of the pipeline. proposed extension will originate at Energy Development's State Lease 13044, Well No. 4 and connect with the existing pipeline in Breton Sound Block 39, proceeding in a southerly direction, approximately 11,602.21 feet (2.20 miles) across the State/Federal Boundary in Breton Block 42, continuing on in a southerly direction approximately 2361.01 feet (.45 miles) to a subseatie-in point with TETCO's existing 24" pipeline in Breton Sound Block 42, all being in the Gulf of Mexico, Offshore, Louisiana. The proposed construction commencement date is March 15, 1990, with the time required to complete the pipeline extension and testing being estimated at 15 days with an overall completion of project time being estimated at 20 days. Energy Development will utilize an existing onshore support base located in Venice. Louisiana.

Energy Development Corporation

A subsidiary of Public Service Enterprise Group Incorporated

Energy Development Corporation Minerals Management Service 4.500" R-O-W Application February 15, 1990

Page Two

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 rights-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.

In accordance with applicable regulations, we have forwarded information regarding the proposed project by certified mail, return receipt requested, to each designated operator, right-of-way or easement holder whose lease, right-of-way or easement is so affected. A list of such operators, right-of-way or easement holders is included as Attachment "A" and copies of the return receipts showing date and signature as evidence of service upon such operators, right-of-way or easement holders will be forwarded to your office when received. In order to expedite the permit process, we have requested a letter from the operator, right-of-way or easement holder expressing no objection to the proposed project. When obtained, these letters will be forwarded to your office. The proposed right-of-way does not adjoin or subsequently cross state submerged lands.

Applicant agrees to be bound by the foregoing regulations, and further agrees to comply with the applicable stipulations as set forth in the OCS Pipeline Procedures Guidebook dated March, 1984, revised September, 1984.

Energy Development Corporation Minerals Management Service 4.500" R-O-W Application February 15, 1990

Page Three

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. Operators and Right-of-Way Holders (Attachment "A")
- 2. General Pipeline Information & Calculations (Attachment "B")
- 3. Vicinity Map & Pipeline Route, (Drawing 039-800.B)
- 4. Pipeline Profile (Drawing 039-804)
- 5. Pipeline Schematic (Drawing 039-801)
- 6. Originally signed copy of Nondiscrimination in Employment Stipulation is attached to each copy of the application.
- 7. Check in the amount of \$ 1415.00 of which, \$ 1400.00 covers the application fee and \$ 15.00 covers the first years rental on .45 miles of right-of-way in federal waters.

Contact on technical points or other information:

Connie J. Goers J. Connor Consulting P. O. Box 218753 Houston, Texas 77218 Telephone: 713/558-0607

"Energy Development Corporation 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."

Energy Development Corporation Minerals Management Service 4.500" R-O-W Application February 15, 1990

Page Four

Please refer to your New Orleans Miscellaneous File No. 415 for a copy of a resolution approved by the Board of Directors authorizing the undersigned to sign for and on behalf of Energy Development Corporation.

If the above information meets with your approval, we would appreciate your issuing the necessary decision for the right-of-way at your earliest convenience. Inquiries concerning this application should be directed to our regulatory agent at J. Connor Consulting, P. O. Box 218753, Houston, Texas, 77218, Attention: Ms. Connie J. Goers (713) 558-0607.

Sincerely,

ENERGY DEVELOPMENT CORPORATION

Vice President Exploration

HI M. Macmillan,

JFS:CJG

Attachments and Enclosures

Energy Development Corporation Minerals Management Service 4.500" R-O-W Application February 15, 1990

Page Five

cc: Shell Offshore, Inc.
P. 0. Box 61933
New Orleans, Louisiana 70161
(Certified Mail No. P 835 367 473)

Chandeleur Pipeline Company 935 Gravier Street New Orleans, Louisiana 70112 (Certified Mail No. P 835 367 474)

ATTACHMENT "A"

The following Operators and Right-of-Way Holders have been furnished information regarding the proposed pipeline installation by Certified Mail, Return Receipt Requested. (Note: The status of blocks listed below is current as of February 8, 1990, per research of MMS records).

BRETON SOUND AREA

BLOCK 42

Shell Offshore, Inc.	OCS-G 8751	Oil & Gas Lease
Chandeleur Pipeline Company	OCS-G 1350	Pipeline R-O-W
Chandeleur Pipeline Company	OCS-G 1350-A	Pipeline R-O-W

ATTACHMENT "B"

GENERAL INFORMATION & CALCULATIONS

4.500" NATURAL GAS PIPELINE

BRETON SOUND AREA BLOCKS 39 & 42

- 1. The maximum water depth (17' MSL] along the existing pipeline route and in relationship to the natural bottom.
- 2. The description of the pipe and coating is as follows:
 - a. Line Pipe: 4-1/2" O.D. x 0.237" W.T. Schedule 40; bare weight = 10.79#/ft. Specific gravity in seawater (empty) w/coating = 1.527. Pipe is coated with Scotchkote 212 fusion bonded epoxy (14 mils). Pipe joints are protected with heat shrinkable wraparound pipe sleeves.
 - b. Subsea side tap valve assembly: Block and Check Valves in Breton Sound Block 42.
 - c. Internal Coating: The analysis of transported products will be monitored and preventative measures will be employed as necessary.
- 3. The existing pipeline length in federal waters is approximately 2361 feet in horizontal length. The pipeline will transport natural gas production. The facility design working pressure is 1200 PSIG.
- 4. Valves and Flanges: Pipeline subsea ball valves are ANSI Class 600 with a rated working pressure of 1440 PSIG and flanges are ANSI Class 900 with a rated working pressure of 2160 PSIG.
- 5. The design of the existing pipeline is in accordance with Department of Transportation Title 49 Part 192.

Attachment "B" Page Two

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

Amps Required =
$$\frac{\text{PiD}}{12}$$
 (Linear Ft.) (Amps) (% Bare Pipe) Ft2.

= 4.457

Amp Year = (Amps Required) (Design Life)

= (4.457) (20)

= 89.14

Lb. Galvalum Required = (Amp Year) ($\underline{Lb. Galvalum}$)
Amp Year

= (89.14) (7.6)

= 677.464

<u>Lb. Galvalum</u> = No. Anodes Required Lb. Anode

$$=$$
 $\frac{677.464}{25}$ = 27.099 Use 28

<u>P/L Length</u> = Spacing # Anodes Req'd

<u>15,763.1</u> = 563'

Attachment "B" Page Three

7. The design pressure for the line pipe:

t = PD/2S P = Internal design pressure = 1440 PSIG

= 1440(4.5)/2(35,000)(0.72)(1.0)(1.0)

= 0.129" + 0.05" C.A. t = Nominal wall thickness inches

= 0.179" S = SMYS (35,000) x .72 25,200[per ANSI B31.8]

> D = Nominal outside diameter = 4.5"

Use 4.5" O.D. \times 0.237" W.T. API 5L Grade B or ASTM A106 Grade B Seamless.

Hydrostatic test pressure:

In accordance with DOT 49 CFR Part 192 and API RP 1111

HTP = 1.25 x MAOP = 1.25 x 1440 = 1800 PSIG

Test to 2160 psig, same as riser

8. The hydrostatic test will be conducted in accordance with applicable regulations. Test duration will be a minimum of eight (8) hours per 49 CFR Ch. 1 Part 192.6.5.b. The test medium will be inhibited seawater. The test pressure is not greater than 90% of the hoop stress pressure using 100% of the steel's SMYS.

P = 2tS/D P = Max. hoop pressure

= 2(0.237)(35,000)/4.5 t = Nominal wall thickness

= 3686.7 PSIG S = SMYS (35,000)

90% of P = 3318 PSIG D = Nominal outside diameter

Attachment "B" Page Four

9. The specific gravity of the line pipe was calculated as follows:

 $S.G. = 2.865 \text{ W/D}^2$

W = Weight of Pipe/Ft., #/L.F.

D = Diameter of Pipe, Inches

S.G. = 2.865(10.79)4.5

= 1.527

The weight of coatings and anodes were not included in these calculations.

- 10. The design capacity of the pipeline is approximately 5,000 MCFD.
- 11. The proposed extension (state waters) and existing pipeline segment will depart from Energy Development's State Lease 13044, Well No. 4 in Breton Sound Block 39 and terminate at a subsea valve on TETCO's existing 24" pipeline located in Breton Sound Block 42.

Attachment "B" Page Five

PIPELINE SUMMARY

1. <u>Line Pipe Specifications:</u>

<u>O.D.</u>	<u>W.T.</u>	Material Spec.	<u>Length</u>	MAOP
4-1/2"	0.237"	SCHEDULE 40	2361′	1440 PSI

2. Riser Pipe Specifications:

Not Applicable - Located In State Waters

3. <u>Transportation Company Line Specifications:</u>

O.D. MAOP Pipeline Company24" 1440 TETCO

4. <u>Line Pipe Coating:</u>

Scotchkote 212 fusion bonded epoxy (14 mils)

5. Name of Product:

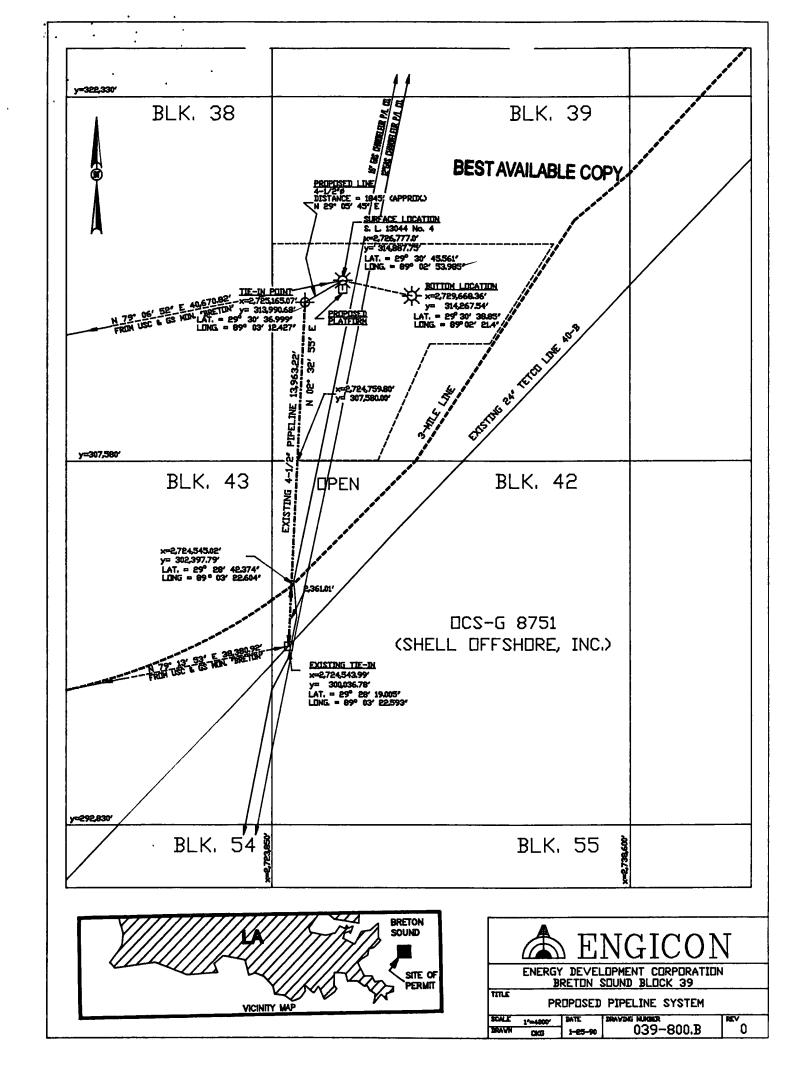
Natural Gas

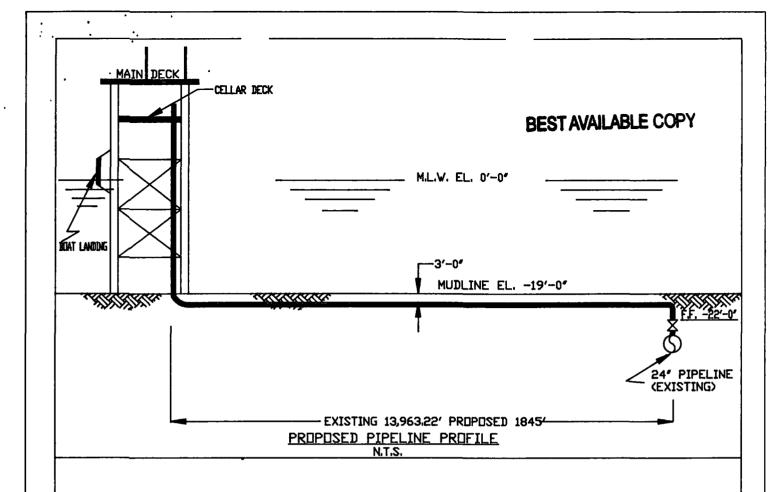
- a. Specific gravity of the natural gas will be 0.62.
- 6. <u>Class Location:</u>

Class I

7. <u>Governing Code:</u>

DOT Title 49 Part 192





- 1. DRY NATURAL GAS
- 2. 4" 10.79 #/FTJ SCH. 40. ,237" W.T.
- 3. 13.963.22 EXISTING PLUS 1845' PROPOSED
- 4. <u>19'</u>
- 5. CATHODIC PROTECTION
- 6. SCOTCH COAT 212
- 7. <u>48.6 #/FT.³</u>
- 8. __1,527
- 9. 1200 # 5.0 mmscfd
- 10. _ 1440 # 7.0 mmscfd

TRANSPORTED PRODUCT

SIZE, WEIGHT, GRADE OF PIPE

LENGTH DF LINE

MAXIMUM WATER DEPTH

CORROSION PROTECTION

PROTECTIVE COATING

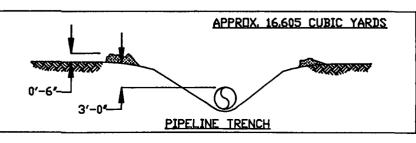
ANTICIPATED DENSITY

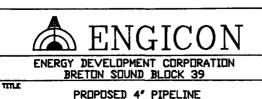
BULK SPECIFIC GRAVITY

DESIGN WORKING PRESSURE & CAPACITY

MAXIMUM WORKING PRESSURE & CAPACITY

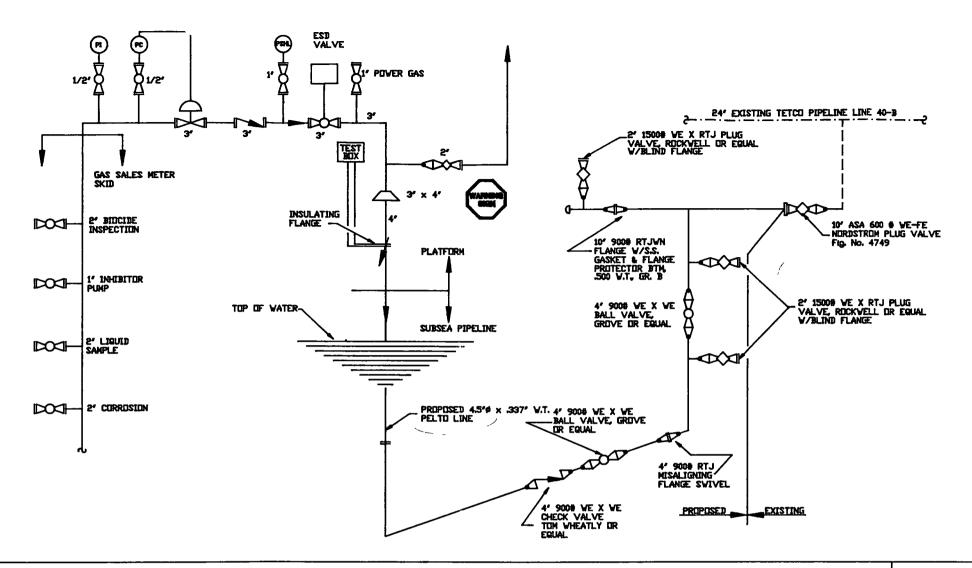
GENERAL PIPELINE INFORMATION





0

SCALE NONE DATE DRAVING MARGER 1-26-90 039-804



LIST OF DRAWINGS 2 8-23-90 CKG 1 8-23-90 CKG 0 28-47-65 CKG REMOVED OVERALL FIELD LAYOUT REVISED UPON CLIENT REQUEST REV BATE BRAVN CHE'D APPR'D ENERGY DEVELOPMENT CORPORATION BRETON SOUND BLOCK 39 PIPELINE SYSTEM SCHEMATIC DIAGRAM MT.S. DATE DRAVING NUMBER
DRG 12-07-09 039 O-ECCE) 2 APPROVED 039-801

BEST AVAILABLE COPY

GENERAL NOTES AND SPECIFICATIONS

DEPARTMENT OF TRANSPORATION, MINIMUM FEDERAL SAFETY STANDARDS FOR GAS LINES. PART 192. TITLE 49 CODE OF FEDERAL REGULATIONS AND ANSI 31.8. 1. CODE:

THE 4' MAINLINE PIPE AND RISER PIPE WILL CONSIST DF: $4.500'0 \times .337'$ V.T. API- 5L GR. B SWLS. BURIAL DEPTH = 3'-0' (MIN) FIELD JUINT = CANUSA 'TUBE' TYPE SHRINK SLEEVES. 2. PIPE

3. PIPE DESIGN FACTOR:

A DESIGN FACTOR OF 0.72 OR LESS WILL BE APPLIED TO THE PIPELINE. A DESIGN FACTOR OF 0.50 OR LESS WILL BE APPLIED TO TIE-IN PIPE. FABRICATION PIPE, PLATFORM PIPING WITHIN 500 FT. OF PLATFORM AND THE MAINLINE PIPE FOR APPROXIMATELY 120 FT. ON EACH SIDE OF THE MAINLINE VALVE AND SIDETAP FABRICATIONS. MATERIAL WILL CONFORM WITH THE REQUIREMENTS OF D.O.T. PART 192 AND ANSI B 31.8.

ALL ABOVE VATER VALVES WILL BE RATED ANSI 600# RTJ. SUBSEA VALVES SHALL BE ANSI 900# RTJ OR BETTER. ALL VALVES FOR UNDERVATER SERVICE SHALL BE COATED WITH CEILKUTE'S FLAKETAR COAL EPOXY. VALVES SHALL BE BORED TO MATCH ABUTTING 4. MAJOR VALVES

ALL ABOVE VATER FLANGES SHALL BE RATED ANSI 600 AND FURNISHED WITH VELD NECK RING TYPE JUINT FACING. SUBSEA FLANGES SHALL BE RATED ANSI 900 OR BETTER AND FURNISHED WITH RING TYPE JOINT FACING. FITTINGS SHALL HAVE A WALL THICKNESS AND YIELD STRENGTH TO MATCH ADJUINING PIPE.

6. MISC. FITTINGS: ALL NIPPLES, THREADOLETS, WELDOLETS, AND OTHER MINOR FITTINGS SHALL BE RATED 60004.

7. COATING

PIPELINE - 14 - 16 NILS. FUSION BONDED EPDXY
RISER - SUBSEA: 1/2' THK. SCHASTIC TYPE III
SPLASH ZONE: 1/2'THK SPLASHTRON RUBBERIZED COATING.

(+20' TO -20' ELEVATION)
ABOVE VATER: INDRGANIC ZINC PRIMER TIE-COAT, AND POLYURETHANE TOP COAT
PAINT SYSTEM. (DIMETCOTE OR EQUAL)

B. ANDRES

5. MAJOR FITTINGS:

FOR 4.500' LINE (29 REO'D)
TYPE - GALVALLUM III 24.5 LBS.
SPACING - 500 FEET MAX.
DESIGN LIFE - 20 YRS, 2% HOLIDAY
CURRENT - 0.005 AMP./SQ. FT.



CERTIFIED MAIL - RETURN RECEIPT REQUESTED

February 15, 1990

Shell Offshore, Inc. P. O. Box 61933 New Orleans, Louisiana 70161

RE: Application for a 4.500" Natural Gas Right-of-Way Pipeline Installed In and/or Through Blocks 39 and 42, Breton Sound Area, Gulf of Mexico, Offshore, Louisiana

Gentlemen:

Energy Development Corporation (Energy Development) is in the process of submitting an application to the MMS for a Pipeline Right-of-Way for reinstating an existing 4.500" O.D. natural gas pipeline installed in and/or through Breton Sound Block 39 and 42, Gulf of Mexico, Offshore, Louisiana, which crosses a portion of your lease(s) and/or pipeline.

In order to expedite processing of the proposed right-of-way application, Energy Development is hereby requesting you submit a letter of no objection to, Ms. Connie J. Goers, J. Connor Consulting, P. O. Box 218753, Houston, Texas 77218. (Sample attached).

Your cooperation in this matter would be greatly appreciated.

Sincerely,

ENERGY DEVELOPMENT CORPORATION

H. M. Macmillan, Jr.

Vice President Exploration

JFS:CJG Enclosures Energy Development Corporation c/o J. Connor Consulting P. O. Box 218753 Houston, Texas 77079

Attention: Ms. Connie J. Goers

RE: Minerals Management Service Application by Energy Development Corporation's 4.500" O. D. Natural Gas Pipeline In and/or Through Breton Sound Area Blocks 39 and 42, Gulf of Mexico, Offshore, LA

Dear Ms. Goers:

Energy Development Corporation proposes to extend and re-instate an existing 4.500" O. D. natural gas pipeline from its State Lease 13055, Well No. 4 in Breton Sound Block 39 to a subsea tie-in point with an existing Texas Eastern Transmission Corporation's existing 24" pipeline in Breton Sound Block 42, located in Federal Waters. The route of the above referenced pipeline right-of-way crosses a portion of Breton Sound Block 42, all being in Federal Waters, Offshore, Louisiana.

Please be advised our company has no objection to the operations proposed.

Signature		
Company		7
Address		
City	State	Zip
Date		



CERTIFIED MAIL - RETURN RECEIPT REQUESTED

February 15, 1990

Chandeleur Pipeline Company 935 Gravier Street New Orleans, Louisiana 70112

RE: Application for a 4.500" Natural Gas Right-of-Way Pipeline Installed In and/or Through Blocks 39 and 42, Breton Sound Area, Gulf of Mexico, Offshore, Louisiana

Gentlemen:

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A. M. Macmillan, Jr.

Vice President Exploration

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Please be advised our company has no objection to the operations proposed.

Signature		
Company		
Address	<u> </u>	
City	State	Zip
Date		

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, Energy Development Corporation, 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.

Signature of Grantee

H. M. MACMILLAN, JR. VICE PRESIDENT

Energy Development Corporation

February 21, 1990

Date

BEST AVAILABLE CUPY

TOP OF 10" FLANGE - 23"

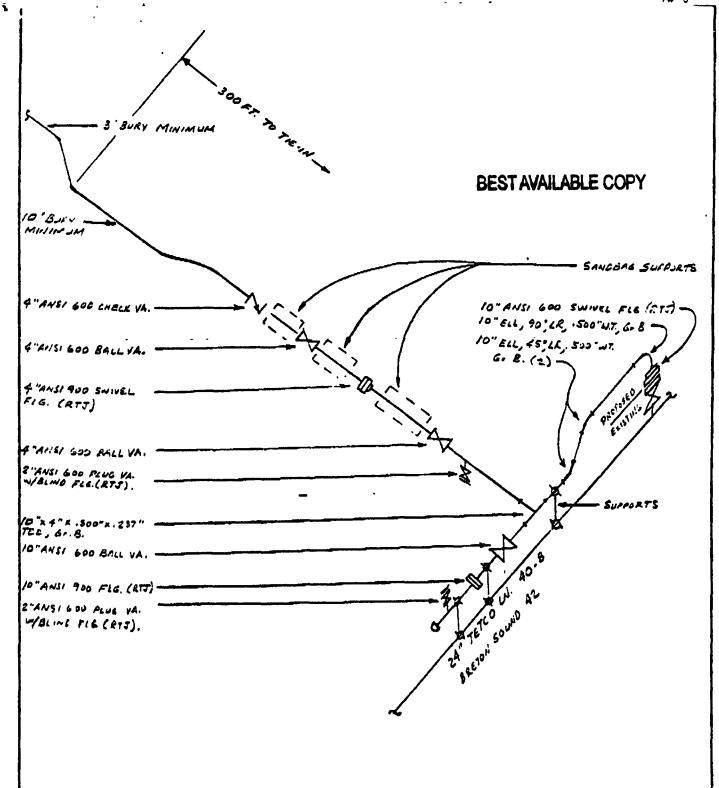
TOP OF 24" PIL - 26

TEXAS EASTERN 24" PIL - 40B

-NOTE --

VALVE IN GOOD SHAPE & EASILY OPERABLE-NO CORROSION APPARENT AUYWHERE ON VALUE

report for: TEXAS EASTERN		S & H DIVING CORPORATION P. O. Box 2276
diver:	date:	Morgan City, Louislana 70381
KIP HARZMAN	5-24-84	Job number:
drawn by:	sheet , of ,	111493
KIP HARZMAN	scale:	location:
	KONE	BRET HIC



NOTES. QALL FABRICATION PIPING TO BE TRASET CONTED.

- (2) FARRICATIONS TO BE IN ACCORDANCE WITH TETCO SPECIFICATIONS.
- 3 BURY SHALL BE SUFFICIENT

 73 INFINITAIN 3 FT. OF

 COVER OVER TOP OF MALVES.

TEXAS EASTERN GAS PIPELINE COMPANY ENGINEERING DIVISION-PIPELINE DESIGN

BRETON SOUND 39

TIE-IN FRACILITIES.

NO SCALE

PREPARED BY:

DATE: 4/1/34

UNION TEXAS PETROLEUM

SUB-SEA ASSEMBLY

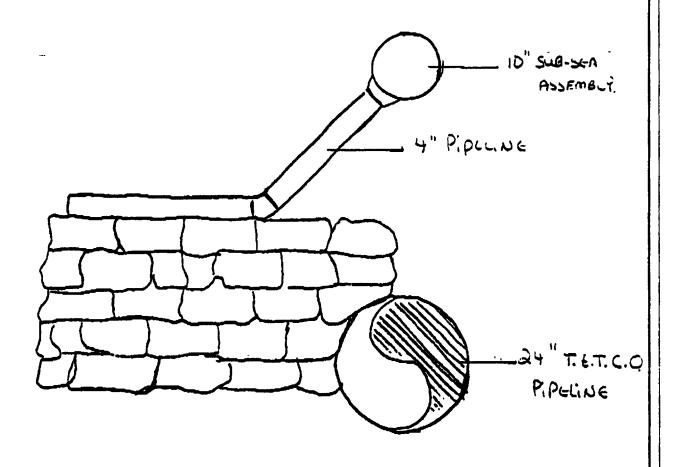
BEST AVAILABLE COPY

Sub-sea assembly was aligned with T.E.T.C.O. 24" pipeline, running perpendicular 90° straight off of the 12 o'clock position of the 24" pipeline. It was secured by two T.Y.P. clamps measuring 28" diameter with straight 90° vertical 8" pipe stand offs, upper saddle clamps measuring 113" I.D., with 3/8" neopreme vulcanized to I.D. of clamp inserts for the 4" Union Texas Pipeline to lay in. Divers inspection revealed clamps in place and properly aligned. Clamps were set to correspond with exsisting tap valve and rubber was in place and all bolts tight. The upper 10" assembly rested on the two main clamps and was attached to top valve by a 10" swivel flange. The 4" pipe came off of the sub-sea assembley directly behind first clamp away from top valve and swivel flange. The 4" pipeline runs at a 45° angle down and is supported by sand bags beneath the 4" pipeline continued outward and runs beneath a 16" chandeleur pipeline. Sand bags were placed between the 16" and 4" approximately 2 foot minimum separation. Then sand bags were continued completely covering the 16" pipeline to bring the sand bags to natural bottom level. Divers inspection confirmed proper position of all bags. After final assembly, a final inspection revealed stainless steel flange protector were in place and flanges were filled with grease.

AMERICAN OILFIELD DIVERS, II BEST AVAILABLE COPY NEOPREME INSERT N.B. _17 10' SUI JEC FLANGE TAP VAIVE -23 - 7.Y.P LAMP 34" T.E.T. C.O PIPELINE

SUB- SEA ASSEMBLY

BEST AVAILABLE COPY



4" PIPELING-OFF 10" SUB SGA

NON-WARRANTY DEED AND INDEMNITY AGREEMENT

STATE OF TEXAS
COUNTY OF HARRIS

KNOW ALL MEN BY THESE PRESENTS:

That, UNION TEXAS PETROLEUM CORPORATION, a Delaware Corporation, qualified to do business in the State of Louisiana (hereinafter referred to as "Grantor") represented herein by its duly authorized representative, who declares that Grantor, for and in consideration of (i) Grantee's assumption of Grantor's liabilities as set forth below and (ii) Grantee's agreement to provide indemnity as set forth below, does by these presents, QUITCLAIM, GRANT, TRANSFER, ASSIGN, SET OVER, ABANDON AND DELIVER, without any warranty or recourse whatsoever, unto ENERGY DEVELOPMENT CORPORATION, a Delaware corporation, qualified to do business in the State of Louisiana (hereinafter referred to "Grantee"), represented herein by its duly authorized representative here present, accepting for itself, its successors and assigns, and acknowledging due delivery and possession thereof, subject to the matters described below, all of Grantor's right, title and interest, if any, in and to a certain pipeline abandoned in place by Grantor in October 1988, the location of which is described in Exhibit A attached hereto and made a part hereof, together with all appurtenances thereto, such pipeline and appurtenances being hereinafter referred to as the "Property."

Grantee understands and agrees that this transfer of all of Grantor's right, title and interest, if any, in and to the Property is made without warranty whatsoever by Grantor as to title or otherwise. Furthermore, Grantee understands and agrees that this transfer is at Grantee's sole peril and risk of eviction.

Grantee acknowledges that the Property is in a used condition, and that Grantor is neither a manufacturer or distributor of, nor dealer or merchant therein. GRANTOR MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE IN RESPECT OF

THE PROPERTY, AND THE SAME IS TRANSFERRED IN AN "AS IS, WHERE IS" CONDITION, WITH ALL FAULTS. By acceptance of delivery, Grantee affirms that it has not relied on Grantor's skill or judgment to select or furnish the Property for any particular purpose, that Grantor makes no warranty that the Property is fit or useable for any particular purpose or fit or useable at all for any purpose and that Grantor makes no representations or warranties, express, implied or statutory with respect to the Property. acknowledges that it has relied solely on its own examination and inspection of the Property and not upon any warranty or representation from Grantor. Grantor makes no warranty or representation, express or implied, as to the accuracy or completeness of any data, information, documents or materials heretofore or hereinafter furnished to or for the use of Grantee, or furnished to or for the use of Energy Devel. Corp.in connection with the Property. Any and all such data, information, documents and other materials furnished by Grantor have been provided to or for the use of Grantee as a convenience, and any reliance on or use of the same shall be at Grantee's risk.

Grantee assumes any and all liability of Grantor, whether past, present, future, arising from or in connection with any and all laws, regulations, permits, mortgages, encumbrances, claims, servitudes, rights-of-way, easements, leases, reservations, restrictions, covenants and other matters (whether recorded or unrecorded) affecting, affecting, and arising from or in connection with the Property or with Grantor's use, operation, nonuse and/or abandonment of the Property. Such liability includes, but is not limited to (i) liability for the relocation and/or removal, or the costs of relocation and/or removal, of the Property from its present or any future location; (ii) liability for restoration, or the costs of restoration, of the premises on which the Property is currently located or on which the Property may be located in the (iii) liability for any pollution or environmental damages (including, but not limited to, damages to aquatic life) which have been, are or may be attributed to the Property or the ownership, maintenance, use, operation, failure to operate,

relocation, removal, nonuse, and plugging and abandonment thereof.

Grantee agrees to protect, defend, indemnify and hold Grantor, Grantor's subsidiaries and affiliated companies, and its or their co-lessees, partners, joint venturers, co-owners, officers, directors, employees, representatives, contractors and subcontractors and officers, directors, employees, representatives, subcontractors, and parent, subsidiary contractors, affiliated companies of all of the foregoing (hereinafter collectively referred as "Grantor Group") harmless from and against all claims, losses, costs, demands, damages, suits, judgments, penalties, liabilities, debts, expenses and causes of action of whatsoever nature or character, including but not limited to reasonable attorney's fees and other costs and expenses, without limit and without regard to the cause or causes thereof, whether known or unknown, whether predating this agreement or not and whether arising out of contract, tort, ownership, strict liability, misrepresentation, violation or alleged violation of applicable law or regulation (including but not limited to any and all environmental laws and regulations) and/or any cause whatsoever, which in any way arise out of, in connection with or relate to the Property (including, but not limited to, the ownership, maintenance, use, operation, failure to operate, relocation, removal, nonuse, and plugging and abandoning thereof), whether or not caused by the sole, joint and/or concurrent negligence, fault or strict liability of Grantor Group or any member thereof.

IN TESTIMONY WHEREOF, this instrument is executed by the parties hereto on the 164 day of March , 1990, said parties signed in the presence of the witnesses whose names appear opposite their respective signatures.

WITNESSES:

UNION TEXAS PETROLEUM CORPORATION

Name:

ryame:

ENERGY DEVELOPMENT CORPORATION

By:

Name: James Brock Morre, III Pitle: Vice President - Production

STATE OF TEXAS

COUNTY OF HARRIS

on this <u>lo</u> day of <u>March</u> , 1990,
before me appeared John a. freeman, to me
personally known, who, being by me duly sworn, did say that he is
the Gen. Manager, Offshere Production Union Seyas Petroleum
and the foregoing instrument was signed on behalf of said
corporation by authority of its Board of Directors and said
Appearer acknowledged said instrument to be the free act and deed
of said corporation.

NOTARY PUBLIC

JUDY GURNACK Notary Public STATE OF TEXAS My Comm. Exp. 10-12-'91

STATE OF TEXAS

COUNTY OF HARRIS

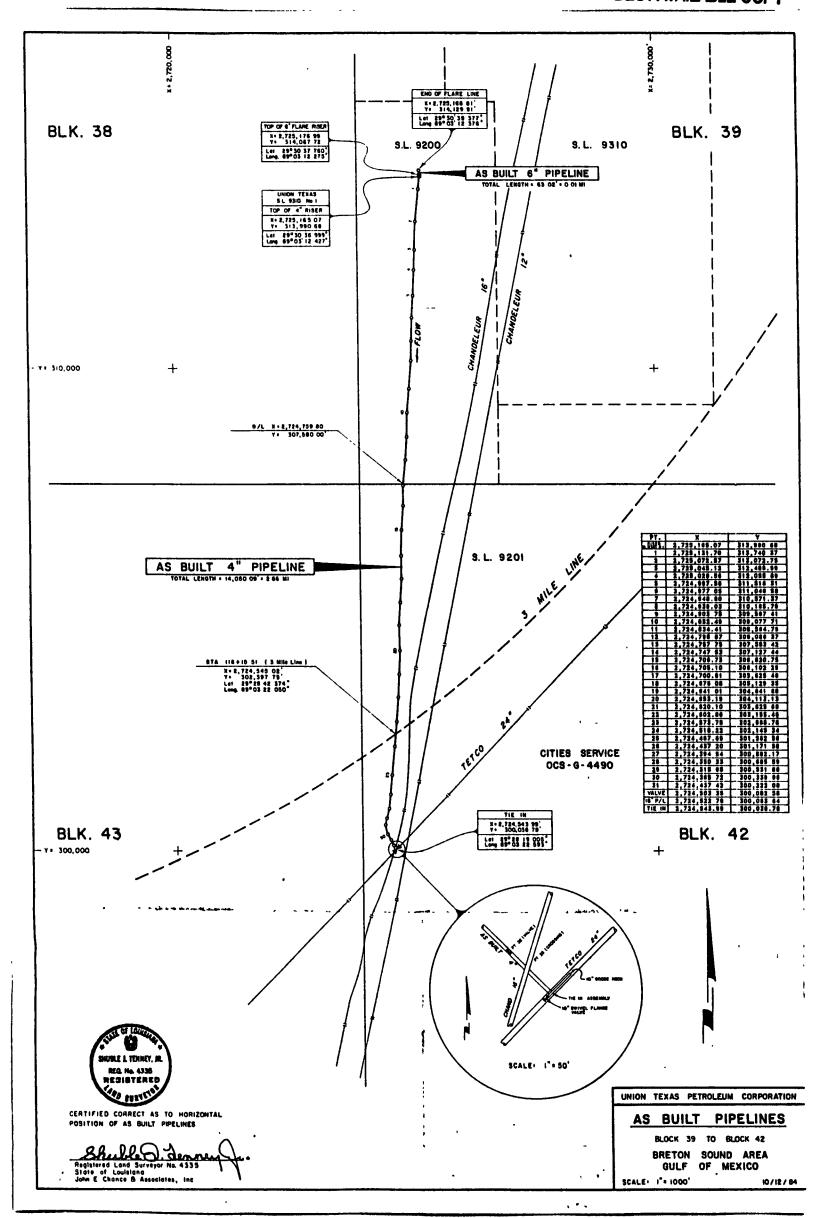
NOTARY PUBLIC

KATHRYN A. LEATHERS
Notary Public, State of Texas
My Commission Expires 9-3-9/

EXHIBIT A

That certain pipeline, and all appurtenances thereto, plugged and abandoned in place by Grantor on October 10, 1988, commencing from a certain point on former State Lease No. 9200, granted by the State Mineral Board of the State of Louisiana, in the Southwest Quarter of Breton Sound Block 39, Plaquemines Parish, Louisiana, and proceeding South-Southwesterly a distance of 14,050.09 feet to the point of termination, said point of termination being at a tie-in with a 24 inch pipeline located in the Western Half of Breton Sound Block 42 on that portion of the Outer Continental Shelf subject to the control of the United States, all as more fully shown on the plat attached hereto. Said pipeline is on the location of (i) former State Right-of-Way No. 2256, granted to Grantor by the State of Louisiana on July 6, 1984, and recorded at COB 596, Folio 353 of the records of Plaquemines Parish, Louisiana, and (ii) Segment No. 7086, issued to Grantor by the Minerals Management Service, Department of the Interior, on August 2, 1984.

[ATTACH PLAT]



STATE OF LOUISIANA BESTAVAILABLE COP

PIPELINE RIGHT-OF-WAY GRANT

A Carlotte Same and the second		2745
	ESENTS: That pursuant to R.S.	41:1173 & 36:1 et. seq. the
State of Louisiana, appearing here:	in by and through the Governor	and the Commissioner of the
Division of Administration (herein	after called Grantor), for and	in consideration of the sum
of <u>Seven thousand eight hundred fi</u>	fty-eight and 50/100	(\$ 7,858,50
DOLLARS and other valuable considerattached and made part hereof does		
Street, Suite 2900, Houston, Texas	77002	(hereinafter called Grantee),
replace and remove a pipeline (with Cathodic Protection Equipment) for in interstate comme (INTERSTATE) - (INTRASTATE) land, situated in the Parish of	the transportation of Natural	(PRODUCT) ough the following described
Beginning at a point on the sou	uth line of State Lease 13044, 724,759.80'and Y=307,580.00', the state/federal boundary in Bro 5.02' and Y=302,397.79', all in	Breton Sound Block 39; said hence SO2 ⁰ 32'55"W 5,186.66' eton Sound Block 42; said point
The rights and privilege	s herein granted shall include	the right to replace the

The rights and privileges herein granted shall include the right to replace the said pipeline by one of a similar or smaller class as set forth in current Rules and Regulations of the Division of Administration and shall be exercised over a course up to but not in excess of 75 feet in width to revert to 35 feet after construction. The route of the proposed pipeline is shown on plat identified as Exhibit "A" (Sheets 2 of 2) which is attached hereto and made a part hereof.

In the exercise of its rights under this grant, Grantee shall have the right, in the construction, operation and maintenance of the pipeline to dig underwater tranches in or on said premises as Grantee may deem necessary or convenient, and to lay its line in the beds of such tranches.

TO HAVE AND TO HOLD the said right, privileges and authority, unto said Grantee, without warranty and without recourse even for the return of the aforementioned consideration for this grant, until such pipeline is constructed and so long thereafter as a pipeline is maintained thereon.

It is understood and agreed that this right-of-way is for a term of twenty (20) years with option to renew for additional twenty (20) year term. The option to renew shall be on the same terms and conditions as the original agreement except that the consideration shall be adjusted to reflect the percentage of increase or decrease in the cost of living index as established by the Consumer Price Index for Urban Wage Earners and Clerical Workers published by the Bureau of Labor Statistics of the United States Department of Labor or any revision or equivalent of any such index published by the United States Government, which has occurred from date of this instrument to the date or renewal provided however that in no event shall consideration of such renewal be less than the consideration paid herein for the original term, and it is further understood and agreed that non-use thereof for a continuous period of two (2) years shall operate as a forfeiture by the Grantee of this grant and consideration and that all rights hereunder shall be thereupon terminated except when existing causes of force majeure actually prevent the use of the right-of-way and satisfactory evidence thereof is submitted to the Commissioner of the Division of Administration. In the event of such forfeiture, the Grantee shall have the right to remove the pipeline, together with fittings, tie-overs, appliances and equipment from the right-of-way within a period of one (1) year from the date of forfeiture, provided that Grantee restores such area of the grant disturbed by the removal as near as practical to its natural state. There shall be no above-ground facilities except those designated and setout on the attached plat(s).

The Grantor reserves the right to fully use and enjoy the said premises subject to the rights herein granted.

If operations for construction are not commenced within two (2) years of the data of the execution of this agreement by the Grantor, then, all rights of the Grantee thereunde. shall terminate and the consideration shall be forfeited to Grantor.

All terms and expressed or implied covenants of this grant shall be subject to all Federal and State Laws.

Grantee agrees that due care shall be exercised in the construction operation and removal of the pipeline and its appurtenances and that Grantee shall be fully and solely responsible for and shall defend, protect, indemnify and hold the State of Louisiana and its agencies, boards and commissions free and harmless from and against any and all claims for damages and all costs and expenses arising out of or incidental to Grantee's exercise of the rights herein granted.

The granting of this right-of-way shall not be a bar or defense to the right of the State of Louisiana and its agencies, boards and commissions to take any and all action necessary to seek abatement of construction or operations that unreasonably or unlawfully interfere with or disturb the existing ecological regimen, including but not limited to the fishing, hunting, trapping and oyster industries, and to take action for any and all damage to the existing ecological regimen which does not result from a reasonable exercise of the rights herein granted.

Nothing herein contained shall be construed as to prohibit or preclude the Grantor herein from granting to other persons, associations or corporations the right to cross over or under the right-of-way herein granted, provided that if such crossing should necessitate the alteration or relocation of the pipeline of the Grantee herein, all cost thereof shall be at the expense of such subsequent Grantee, subject to the following:

The parties hereto recognize that it might hereafter become necessary or desirable to widen, deepen or make some other work of public improvement on land or on the streams or water bottoms within the right-of-way herein granted, and this grant is accepted under the express condition and with the distinct understanding that, if any such work by the United States, the State of Louisiana, or any agency, board, commission, department or political subdivision of either, makes it necessary to alter or relocate said pipeline, the entire cost of such alteration or relocation shall be borne by the Grantee, this responsibility on the part of the Grantee being part of the consideration for which this grant is made. This provision, however, shall not prejudice the Grantee's right to receive indemnification and/or relocation costs, from the United States, the State of Louisians or any agency, board, commission, department or political subdivision of either when there is an appropriation for payment of such costs.

It is agreed that Grantee shall not assign the rights granted hereunder without the written consent of Grantor and due payment of assignment fees, but this prohibition shall not be applicable to any mortgage, deed of trust, pledge or other security contract which may be executed by Grantee, and the consent of the Grantor to the execution of such agreements shall not be required.

Grantee agrees to construct and maintain said pipeline and its appurtenances in accordance with Parts 191, 192 and/or 195 of Tirle 49 of the Code of Federal Regulations, as amended, which sets forth minimum design, construction and maintenance standards for safety of pipelines. Grantee further agrees to comply with all other Federal and State Laws not in conflict which apply to pipeline design, construction, maintenance and operation.

It is further agreed that after the completion of the construction of the pipeline. Grantee shall file in the office of the Commissioner of the Division of Administration a plat showing the actual location of the pipeline on the above described lands.

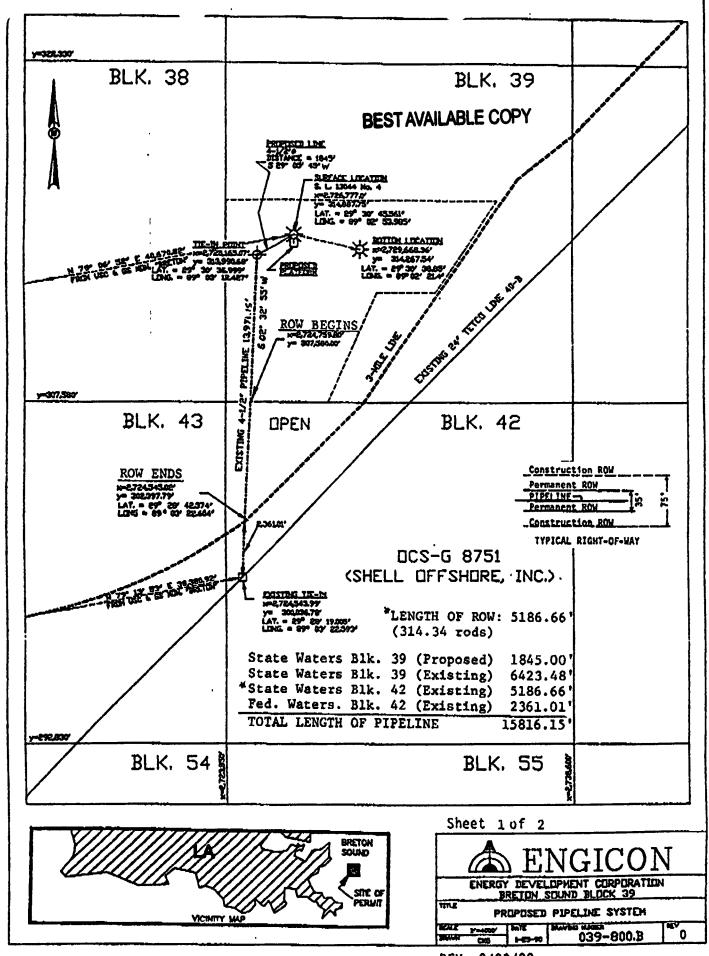
The provisions of this agreement shall extend to and be binding upon the successors and assigns of Grantee, regardless of the appointment of a receiver, adjudication in bankruptcy, reorganization, voluntary or otherwise, or the suspension, failure or insolvency of Grantee, or any successor or assignee thereof.

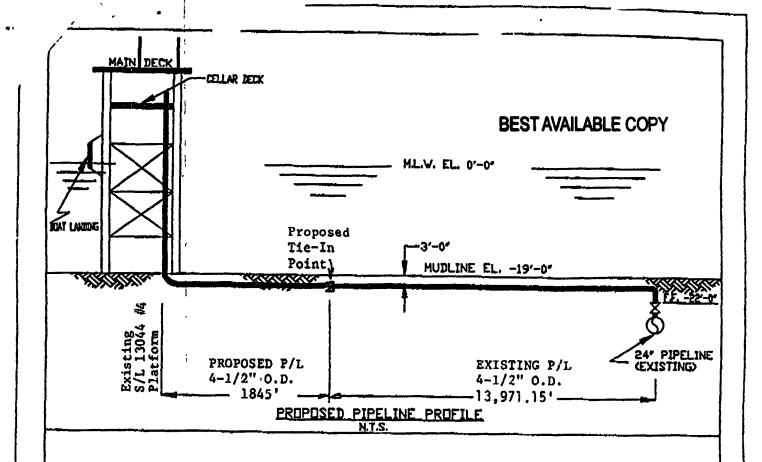
Failure of Grantor to strictly or promptly enforce the rights and obligations ... herein shall not operate as a waiver thereof.

erein shall not operate as a waiver thereof.	••
IN WITNESS WHEREOF, the STATE OF LOUISIAN	A has executed this right-of-way grant
on this, the 19th day of April	, 19 <u></u> ,
witnesses, ()	STATE OF LOUISIANA
$A \cap A \cap A$	Jucacy / Villey
Che Chu W	GOVERNOR OF THE STATE OF LOUISZANA
	GOVERNOR OF THE STATE OF LOUISZANA
Diame S. Villnewe.	BYX
J-was re-positions	COMMISSIONER OF THE DIVISION OF
	ADMINISTRATION
·	\

in witness whereof, gran	TEE has executed this right-of-way on this, the 27
day of February	, 19 <u>90 · </u>
	BEST AVAILABLE COPY
WITNESSES:	
Edith m. Schack	
Recario Carrillo	ENERGY DEVELOPMENT CORPORATION
Dosprin CARRILLO	By (Vataria) Carrel
TICISM CO.	TITLE: Consulting Regulatory Agent
STATE OF Texas	
County OF Travis	•
	•
On this 27 day of	February 19 90 , before me appeared
	, who, being duly sworn, did say that he is Regulatory Agent
of Energy Development Corporation	and that the foregoing instrument was signed on
behalf of the corporation by author	rity of its board of directors, and affiant acknowledged
the instrument to be the free act	and deed of the comporation.
GINGER LEA HI	Ways of the
Notary Pul	blc
My Comm. Exp. Ap	X
STATE OF LOUISIANA	#11 24, 1992 P
PARISH OF EAST BATON ROUGE	
	ed authority, personally came and appeared Dianne S. Villneuve
who, being first duly sworn, did d	epose and say that the within foregoing instrument was
signed by the Honorable Buddy	Roemer , Governor of the State of Louisiana,
and Dennis Stine	, the Commissioner of the Division of Administration,
on behalf of the State of Louisian	a, in affiant's presence and in the presence of the other
subscribing witness.	\
	Dianne S. Villneuve
	Affiant
SWORN TO AND SUBSCRIBED	before me this 19th day of April , 19 90
	Gerald P. Sheriot
	NOTARY PUBLIC in and for the East Baton
	Rouge Parish, Louisiana

Gerald P. Theriot Notary Public Parish of East Baton Rouge My Commission is for Life





- 1. DRY NATURAL GAS
- 2. 4' 10.79 #/FT_ SCH. 40. 237' W.T.
- 3. 13.971.15' EXISTING PLUS 1845' PROPOSED
- 4. ____19'____
- 5. CATHODIC PROTECTION
- 6. SCOTCH COAT 212
- 7. 48.6 #/FT.3
- 8. __1.527__
- 9. 1200 # 5.0 mmscfd
- 10. 1440 # 7.0 mmscfd

TRANSPORTED PRODUCT

SIZE, WEIGHT, GRADE OF PIPE

LENGTH OF LINE

MAXIMUM WATER DEPTH

CORRUSION PROTECTION

PROTECTIVE COATING

ANTICIPATED DENSITY

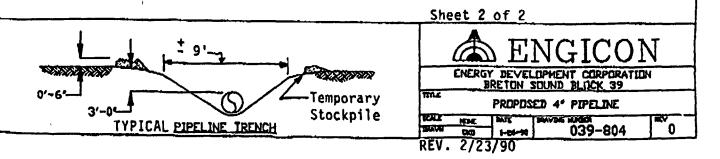
BULK SPECIFIC GRAVITY

DESIGN WORKING PRESSURE & CAPACITY

MAXIMUM WORKING PRESSURE & CAPACITY

NOTE: Proposed pipeline to be installed a minimum of 3' BML by disking, jetting or plowing such that existing water depths will not be decreased by more than 0.5'. Approx. 1014 cu. yds. of material to be displaced during pipeline installation.

GENERAL PIPELINE INFORMATION



PIPELINE RIGHT-OF-WAY APPLICATION "ENGINEERING CHECKLIST" MINERALS MANAGEMENT SERVICE MINERALS MANAGEMENT SERVICE

GOM REGIONAL OFFICE

EXISTING 4/2 INCh

Pipeline originally owned

Date: 3-5-90

Dy union Texas Petroleum under

Segment No. 7086

A Description of pipeline and location of proposed route (Le., size of pipe, product to be Lescription of pipeline and location of proposed route (Le., we or pape, product to se transported, from where to where, platform number, asme, block number, area, and distance in feet and miles): 4/2 inch pipeline from the Federal / State line to a Subsea tie-in with Texas Eastern Transmission Corporation 's ad inch pipeline (ocs-c- 1689) all in Block 42 Breton Sound Alea B. Safety Flow Schematic - Verify that the information shows on the safety flow schematic 2361.011 diagram contains the following: ·45 miles 1. Pressure source is drawn into the schematic with the following: in length a. source (i.e., mame) Separator

1200 b. design working pressure c. high-low pressure sensor settings _ 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. 4. If the maximum input source pressure is greater than the maximum allowable operating pressure (MAOP) of the pipeline, redundant safety equipment is required.

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. 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 pistform's automatic and remote

shut-in system or an independent remote shut-in system.

10. Ti	he pipeline lesving he high-low press e check valve. here applicable, h guistor. there is liquid in res or No) irection of flow in pe specifications (otal length of prop		uipped with a chec departing pipeline located downstra	is located up are of the beci	estremn of k pressure
11. Ti	he high-low press e check valve. here applicable, h guistor. there is liquid in res or No) irection of flow in pe specifications (otal length of prop	ure sensors on the ligh-low sensors are jection into the line dicated.	departing pipeline	is located up	k pressure
12. Wind	e check valve. here applicable, h gulator. there is liquid in les or No) irection of flow in pe specifications (otal length of prop	igh-low sensors are jection into the line	located downstre	am of the bac	k pressure
13. Y 	guistor. there is liquid in es or No) irection of flow in pe specifications (otal length of proj	jection into the line		lated with the	•
14. Di	es or No)irection of flow in perspecifications (otal length of projectal length	dicated.	i, are pumps associ		injection?
15. Pi	pe specifications (otal length of proj				
	tal length of prop	i.e., size, grade, we		BEST.	AVAILABLE COF
16. To			ight, and wall thicl		
		posed pipeline (feet	and miles).		
17. M	AOP of connectin	g pipeline. /4	40		
/ 🖰	atement that desible, and/or applumber, date, and s	ign meets or exceed icable OCS orders	ds DOT Regulation L. registered engis	ns 192 or 195 neer's seal, m	i, as appli- rgistration
			hallas bladam		
	thodic protection	iber of proposed pi	реши / ры и отш.		
and/or on the		hat the pipeline deplete and correct:	esign information Jat. Ga-	given in the s	pplication
. /		ubses valve assemb	iv specifications:	_	70
	·	Wall Thickness	- · · · · · · · · · · · · · · · · · · ·	_ / ()). サン Ibs/ft.
		Wall Thickness			lbs/ft.
		Wall Thickness		•	
				_	
-	(1) She 4.5	Wall Thickness	Crede B) Weight	lbs/ft.
		Wall Thickness			
		Wall Thickness			
			VIIV	- with	
	Subsea valve asse	•	Grade	W alaha	
		TAIL OF COLUMN	# 7 4 4 4 4		18-

	17
3.	Water depth: Maximum Minimum
4.	Type of corrosion protection:
	a. Impressed current system
	. b. Secrificial anode system
	(1) Type of anode aluminum BEST AVAILABLE COPY
	(2) Spacing intervalft.
	(3) Weight of unit anode given by applicant Be. ea.
	. c. If platform anodes are used, are they considered adequate?
	Yes No Segment NO.
	d. If pipeline anodes are used:
	Formulo: Lep/1 = 3.82 x 104 x WO/DIR = approved anode
	Yes No Segment No. d. If pipeline anodes are used: Formula: Lep/1 = 3.82 x 10 ⁴ x Wo/DIR = Where: Wo = Weight of Anode unit (lbs) D = Dia. of pipe (inches) Segment No. Formula: 1984 Approved in 1984 Approved in 1984 Approved in 54 years
	D = Dia. of pipe (inches) 1 = 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
	Description of protective coating: a. Pipeline Sotchtote 212 - Hmils b. Riser 1/2" Somastic + 1/2" splashton
ale.	b. Riser 1/2" Somostic, + 1/2" solushton
<u> </u>	b. Riser 1/2" Somastic & 1/2" splashton c. Subservalve assembly
N/A.	Description of weighted coating:
	a. Preconcrete coating
	b. Density of concretePCF
	c. Thickness of concrete
,	d. Thickness of asphalt
	Calculate the macific erroity (one of the following formulae may be used)

a. For spoxy coating: SG =	2.865W/D ² (50
b. Density comparison with i	Buid material: SG = <u>W+</u> <u>A</u> R	?
e. Lines with a specific thick	ness of concrete:	
SG = RC + K, W+ R (T-K ₁) ² K	$\frac{R}{R}$	BEST AVAILABLE COPY
d. Lines having two costing costing:	s of enumel and a feit	wrap, or only asphaltmastic
SG = <u>W+P</u> K ₃		
Where: SG = specific gravity RC = density of concr K ₁ , K ₂ , K ₃ = coefficie T = thickness of concr W = weight of bare ptp P = weight of coating R = density of fluid D = diameter of ptpe (A = cross-sectional are	ents ete coating (inches) he (Ib/ft) material (Ib/cu. ft.); i inches)	e., see water = 64 lbs/cu. ft.
8. Given specific gravity a. 1.527bc.		
9. Gravity or density of produc	(8) <u>62</u> 5000 MC	FD
10. Design capacity of pipeline _	21	16 ⁰ 8
11. Given Hydrostatic Test Pre	sture: Line Pipe $\frac{\Delta}{\Delta}$	Hold Time hrs.
Preinstallation Test	Rise 160 Hold Tim	e hrs.
Recommended maximum histings are as follows:	ydrostatic body test f	or ANSI valves, flanges, and
AN AN AN	S1 300 - 1,100 psig S1 400 - 1,450 psig S1 600 - 2,175 psig S1 900 - 3,250 psig S1 1,500 - 5,400 psig	

•	Line Pipe = 8 hrs. 4 hrs. © 125% of MOP Riser = 4 hrs. (pretest) Liquid = Plus 4 hrs. © 110% if leak inspec- or DOT 192.507(c) tion is not visable during test
المسكل	2. Maximum Allowable Operating Pressure (MAOP) of line pipe:
	MAOP = $\frac{2\pi \times F \times E \times T}{D}$ Note: F = .72; E = 1:T = 1 A MAOP = $\frac{2(35,000)(.237)}{4.5} \times .72 = 2.65$
	2 MAOP = 45
/	b. MAOP =
	e. MAOP =
13	1. MAOP of riser pipe. in state water
	Note: F = .50 for risers on natural gas transmission lines.
	Note: F = .60 for risers on liquid pipelines. a. MAOP = $2(35,000)(.337) = 5242 \times .50$ $= 2621$ b. MAOP = 4.5
	b. MAOP = 262
1	MACP of flances fittings and values
	2.4 x ANSI roting - ANSI 600 - 140
/19	,
	MAOP of proposed pipeline as determined in accordance with Title 49 CFR Part 195 or 192, as applicable, ispaig
	Items 12, 13, and 14 above are equal to or more than the maximum allowable working pressure (MAWP) of source.
19	(HTP) = .95 (smaller IP & SMYS of items 12 or 13 above)
	<u>= 2160 = 3502</u>
	Note: The recommended limit of test as a percentage of internal pressure & specificed minimum yield strength is equal to 95%:
/	P & SMYS = 2 x s x 1 = 3687
18	. Verify MAOP does not exceed the lowest of the following:
	a. Submerged components: 31TP/1.25 =
	b. Riser: HTP/1.5 = 2160 = 1440

	Valve guards used: YesNo	
	a Requirements:	BEST AVAILABLE COPY
1.		aid to a minimum of three feet below the level og the 200 foot water depth, except at pipeline sustified at the time of application.
	the mudline. If Am 5 approved verifies are NOT required to have a sthree feet below the mudline. H	rided with a minimum of three feet of actual p or jetted to a minimum of three feet below live protection covers are used, the valves and minimum of three feet of actual cover or jetted owever, the top of the valve protection cover of the mudline. Any deviation must be justified the mudline.
E. Pipeline Ci	rossings:	
<u>NA</u> 1.	cement-bagged with a minimum of a most line having a minimum of a stalled so as to provide a three for	Sepths up to and including 200 feet shall be of 18 inches between the lines with the upper-left of cover in the form of cament bags into thorizontal to a one foot vertical (3:1) slope and one-half (1%) times the pipe diameter. Any time of application.
2.	bagged with a minimum of 18 i	Sepths greater than 200 feet thall be cement niches between the lines and installed so as to a one foot vertical (3:1) slope. Any deviation plication.
F. Constructi	on Information:	3-15-90
1.	Proposed construction commence	ment date
2.	Method of construction	
	Method of burial	٨
	Time required to by pipe 15	
	Time required to complete project	20 days
G. Applicant	complies with current OCS pipeline	guidelines:
Yes	No	_

BEST AVAILABLE COPY

SN 7086

Charado 1-19.90 Storffer 1/19/90

JAN 1 9 1990

In Reply Refer To: FO-2-2 (Segment No. 7086)

Union Texas Petroleum Attention: Ms. Kay L. Morgan Post Office Box 2120 Houston, Texas 77252-2120

Gentlemen:

Your letter dated January 12, 1990, notified this office of the abandonment of the following pipeline, located in Breton Sound Block 42, Lease OCS-G 8751:

Pipeline Segment No.	Size (inches)	Length (feet)	Service	From	<u>To</u>
7086	4 1/2	2,435	Abandon	Federal/State Boundary	A 24-inch SSTI

You are reminded that 30 CFR 250.150(b) requires an application be submitted to the Regional Supervisor and approval obtained prior to an abandonment. Adherance to this requirement is expected in the future.

Your request to abandon the subject pipeline is hereby approved, as performed. However, in the future, should it be determined that this pipeline constitutes a hazard to navigation or commercial fishing operations or unduly interferes with other uses of the Outer Continental Shelf, Union Texas Petroleum shall be required to remove it.

Sincerely,

(Orig. Sgd.) William H. Martin

D. J. Bourgeois Regional Supervisor Field Operations

oc: Department of Transportation 2320 La Branch, Room 2116 Houston, Texas 77004

bcc: 1502-01 Union Texas Petroleum (w/orig appln)(File w/Seg. No. 7086)(F0-2-2)

Lease OCS-G 8751 (OPS-3-2)

FO-3

FO-2-2 Carto

SLedet:ds:1/18/90:Disk 4

on 1/24/90



Union Texas Petroleum

January 12, 1990

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

United States Department of the Interior Minerals Management Service (FO-2-2) 1201 Elmwood Park Boulevard New Orleans, Louisiana 70123-2394

Attention: Mr. D. J. Bourgeois

Regional Supervisor Field Operations

RE: Pipeline Abandonment

Segment No. 7086 Breton Sound Block 42 RECEIVED

JAN 1 6 1990

FIELD

OPERATIONS
OCS Region, New Order

Finshed Cut Both

ENDS CAPPED 3 Sect!

And BURIED 3 Sect!

ged and abanin accordance
is pipeline
iced for

Gentlemen:

Please be advised that the subject pipeline was plugged and abandoned by Union Texas Petroleum on October 10, 1988, in accordance with the provisions of 30 CFR 250.156. The 4 1/2" gas pipeline was installed in October 84. The platform only produced for a few months before going off production. This pipeline, therefore, has not been in service since early 1985. It has been abandoned in place.

The platform that was abandoned in conjunction with this pipeline segment was located in Breton Sound Block 39, State Lease 9200. Union Texas Petroleum held a pipeline right-of-way from the State of Louisiana for the pipeline departing the platform. It has just been brought to my attention that a portion of the line did in fact cross Federal waters, and was issued the above-referenced Segment No. on August 2, 1984 (2435' from the 3 mile Federal/State boundary to a subsea tie-in, all in Breton Sound Block 42). Approval was not received from the Minerals Management Service, therefore, before the line was abandoned in place.

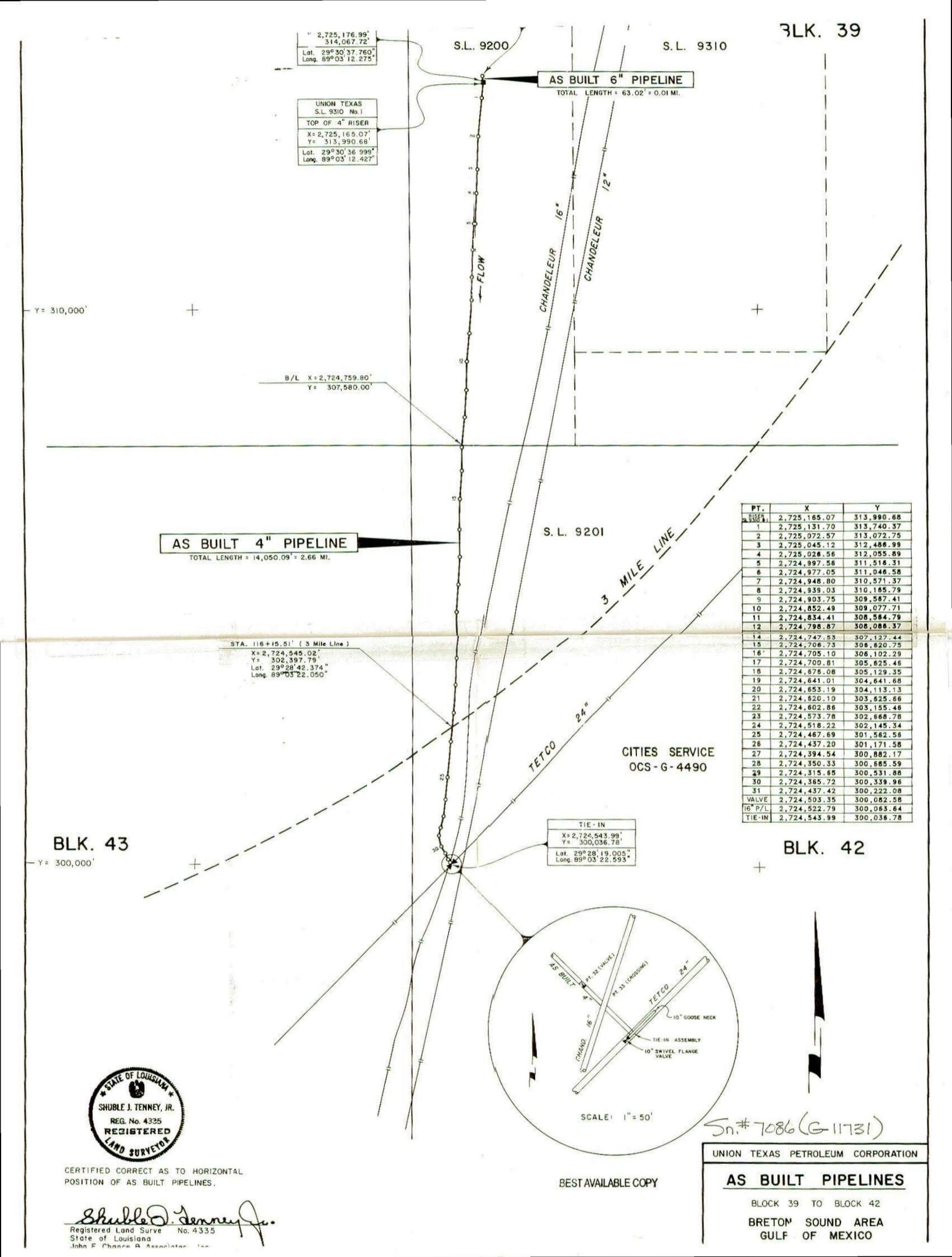
Union Texas Petroleum wishes to relinquish the subject permit, as the pipeline is abandoned and we no longer hold any of the affected leases. Should you have any questions or require additional information, please contact me at 713/968-3656 at your earliest convenience.

Sincerely,

Kay L. Morgan

Permit Coordinator

Attachment



BEST AVAILABLE COPY

Walker 12/18/84 Kelly 12/18/84
Starffe 12/19/87

DEC 2 0 1984

In Reply Refer To: RP-2-2

Union Texas Petroleum

Attention: Mr. Stephen W. Persky

Post Office Box 52087

Lafayette, Louisiana 70505

Gentlemen:

Your letter dated December 5, 1984, transmitted a hydrostatic test pressure (HTP) chart and an "as-built" location plat for the following pipeline, all located in Breton Sound Block 42, Lease OCS-G 4490:

Pipeline Segment No.	Size (inches)	Length (feet)	Service	From	<u>To</u>
7086	4 1/2	2,435	Gas	The Federal/State lease boundary	A 24-inch subsea tie-in

The data which you provided indicates the following test information and establishes the assigned maximum allowable operating pressure (MAOP) for this pipeline:

Pipeline	Test Pressure	Duration	MAOP	MAOP
Segment No.	(psig)	(hours)	(psig)	Determination
7086	2,176	12	1,440	Receiving Pipeline

The high- and low-pressure sensors shall be set, respectively, at 10 percent above and below the normal operating pressure range. However, the high pilot shall not be set higher than the MAOP.

In future correspondence, please refer to the above pipeline by its assigned segment number.

Sincerely yours,

(Orig. Sgd.) D.W. Solanas

D. W. Solanas Regional Supervisor Rules and Production

Department of Transportation 2320 La Branch, Room 2116 Houston, Texas 77004

bcc: 1502-01 Union Texas Petroleum (w/orig report) (RP-2-2)

Lease OCS-G 4490 (OPS-2-3)

DO-5 (w/cy of report)

OPS-4 (w/cy of location plat)

CWalker:1v:12/18/84:Disk 1

P.O. Box 2817

Lafayette, Louisiana 70502

(318) 837-3140

December 5, 1984

U. S. Dept. of the Interior Mineral Management Service P.O. Box 7944 Metairie, La. 70010

Attn: Mr. Carl Walker

Re: RP-2-2

Dear Sir:

Please accept this letter as notice of the completion of the above referenced project. Also please find the necessary information you require in your OCS Order No. 9

If we can be of any further assistance please feel free to call me.

Sincerely

Curt Clark

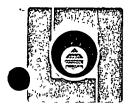
CC:

Enclosure

RECEIVED

DEC 1 0 1984

Minerals Management Service Rules and Production



with D.O.T. 49 C.F.R. 192.

Contractor's Superintendent,

Certified By:

DOUBLE "L' HYBROTEST, INC.

ROUTE 2, BOX 22 GONZALES, LOUISIANA 70737

TELEPHONE: (504) 644-3048

2/00

HYDROSTATIC TEST REPORT

14,000 Ft.

Sheet / of 4.

BEST AVAILABLE COPY

				DEO 17.00.00			
General Contractor Torch							
Test Section_	Breton Sou	nd BK.	39-Mank	りと nimum Pipe Elev	ation		
Maximum Pipe Elevation 15' Riser (Ins flange) Elev. Base Dead Weight Tester 19' above high Poin							
	10-10-84		•		10-11-8	_	1
						, to 1	
Time _	Dead Weight		ERATURE	Time	Dead Weight		RATURE
14.3	Reading-psi	Ambient	Walker Temp.	~,,	Reading-psi	Ambient	WATER Tem
12:00	Repressure	1./2.1	735 to 1790	5:30	2177	70°	72°
12:05	1790LB.	12"		6:00	2177	<i>√</i> 0.	12.
12:45	Bresg Dor	O of ne	hange Recor		2177	70°	73.
1:00 AM	0	יאמי		7:30	2177	200	72°
1:15	1807 a	DrB's to 1	nuch	8:00	2177	70°	汉°
1:36	1806	Bleed 1	Down 1700	8:30	2177	70°	720
1:40	1700	1a°	<u> </u>	9:00	2177	70°	720
1:45	1699	12°	าล	9130	2177	70'	420
2:00	1696	12°		10:00	2176	'n	12°
2	7856			10:30	2176	12°	72°
2:15	1695	72°	าล:	11:00	2176	72°	72°
2:30	1695	710	12.	11:30	2176	12°	12°
2:35	Ressuring F	Rom K45	to 2180	12:00	airc	1 2°	าล•
2:45	2/80	Bled L	lown 7	12:30	2176	720	720
2:50	2/72			1:00	2176	720	720
3:00	2172	71.	72	1:30	2176	78°	720
3:12	Represser	e 2172 to	2178	2:00	2176	J3.	7a°
3:16	2178		7a°.	2:30	2176	74°	72°
3:30	2178	71°	72°	2;45	2177	75°	72.
4:00	2177	710	72°	3:00 P.M	Bleed Dow	Test	Completed
4;30	2177	710	72°			7	
5:00	2177	710	7 à °	+	•		
ILL - THE PARKETIAN TOO ELEVATION OF READ WEIGHT.							
RESULTS OF TEST: 1/ Acceptable [-] Unacceptable [-] Unacceptable [-] 178 = 178							
> ⊣ydrostati	c tested in ac	cordance	Į		U1 1 1	/ <i>ም</i> ፕ	



ROUTE 2, BOX 22

GONZALES, LOUISIANA 70737

AIR TELEPHONE: [504]644-3048

CALIBRATION CERTIFICATE

This is to certify that this gauge has been inspected and calibrated.

Serial No. of Gauge 198240
Size of Gauge 12"

Mfg. of Gauge 0-150

Pressure of Range Att MCCAC Un Maument

TESTER READING	GAUGE READING
20	20
40	40
(eD	40
80	80
/00	100
120	120
140	140
150	140 . 150

TYPE TESTER USED:	
DATE TESTED: 8/27/84	BY:



ROUTE 2, BOX 22

GONZALES, LOUISIANA 70737

TELEPHO	NE:	[504]	644-	3048
	_			ע

CALIBRATION CERTIFICATE

This is to certify that this gauge has been inspected and calibrated.

Serial No. of Gauge 5.F. 2589

Size of Gauge 2"

Mfg. of Gauge Bartow

Pressure of Range 0-150

TESTER READING	GAUGE READING
20	20
40	40
60	40
86	80
/00	100
120	/20
140	140
150	150

TYPE TESTER USED:	
DATE TESTED: $\frac{7}{5}$	BY



ROUTE 2, BOX 22

GONZALES, LOUISIANA 70737

TELEPHONE: [504]644-3048

CALIBRATION CERTIFICATE

This is to certify that this gauge has been inspected and calibrated.

Pressure of Range.

Serial No. of Gauge 242A 7409

Size of Gauge Barton

Mfg. of Gauge Barton

GAUGE READING TESTER READING 1000 1000 1500 1500 2000 2000 2500 3000 3000 3500 3500 4000 4500 4500 5000

TYPE TESTER USED:	•
DATE TESTED: 7/10/84	BY: ZEZLX



ROUTE 2, BOX 22

TELEPHONE: [504]644-3048)
PRO	
	_

CALIBRATION CERTIFICATE

Serial No Siz Mfg	c. of Gauge
TESTER READING	GAUGE READING
.500	500
/000	1000
1500	1500
2 000	2000
2500	2500
3000	3000
TYPE TESTER USED:	•





ROUTE 2. BOX 22

GONZALES, LOUISIANA 70737

CALIBRATION CERTIFICATE

This is to certify that this gauge has been inspected and calibrated. Serial No. of Gauge_ Size of Gauge.

> Mfg. of Gauge, Pressure of Range.

GAUGE READING TESTER READING

TYPE TESTER USED:		<u> </u>
DATE TESTED: 9/13/	D4 BY:	EAN





ROUTE 2, BOX 22

GONZALES, LOUISIANA 70737

TELEPHONE: [504]644-3048

CALIBRATION CERTIFICATE

This is to certify that this gauge has been inspected and calibrated.

Serial No. of Gauge

Size of Gauge

Mfg. of Gauge

Pressure of Range

50-3000

TESTER READING	GAUGE READING
50	50
500	500
1000	1000
1500	1500
2000	3000
3500	£500
3000	3000

TYPE THISTER USED:	•
DATE THISTED: 9/15/84	BY: ZEZant



ROUTE 2, BOX 22

GONZALES, LOUISIANA 70737

TEL	EPH.	ONE: [504]644	-3048
		I) :3NOI	#	19

CALIBRATION CERTIFICATE

This is to certify that this gauge has been inspected and calibrated.

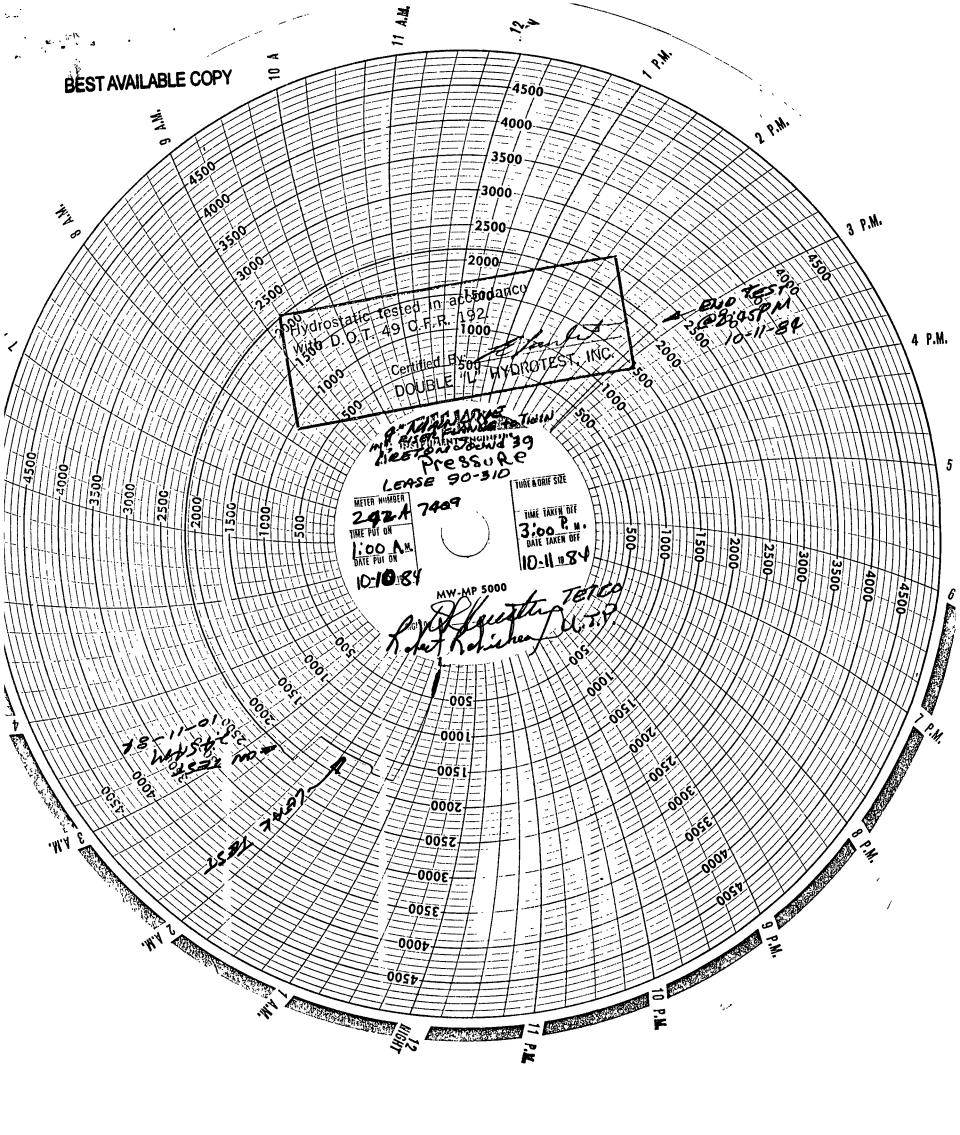
Serial No. of Gauge 202

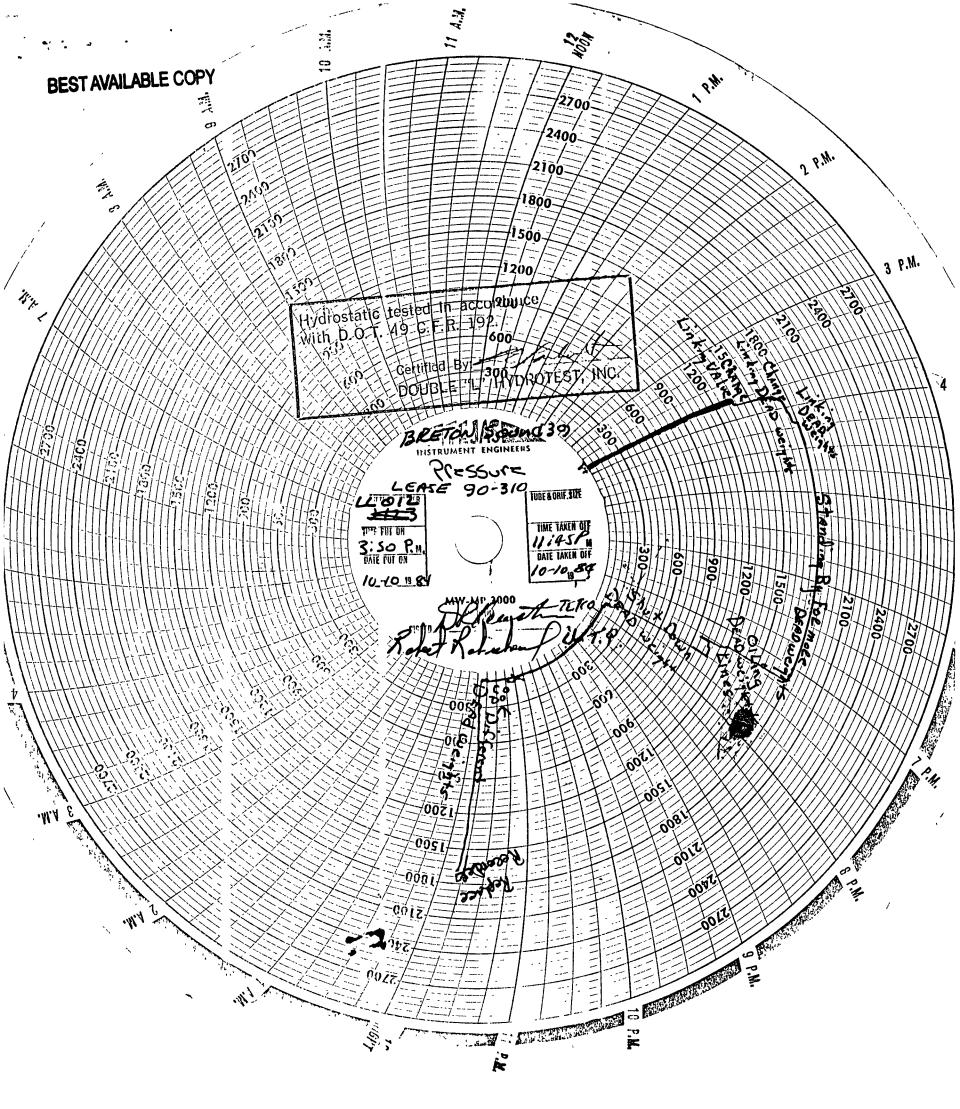
Size of Gauge Refunely Supply

Pressure of Range 50-5000

TESTER READING	GAUGE READING
50	50
/OOD	1000
1500	1500
2000	2000
2000 2500	2500
ತೆಎ೦೦	3000
3500	3500
4000	4000
4500 500d	4500
5000	5000

TYPE TESTER USED:	•
DATE TESTED: 9/12/84	BY: Lealit

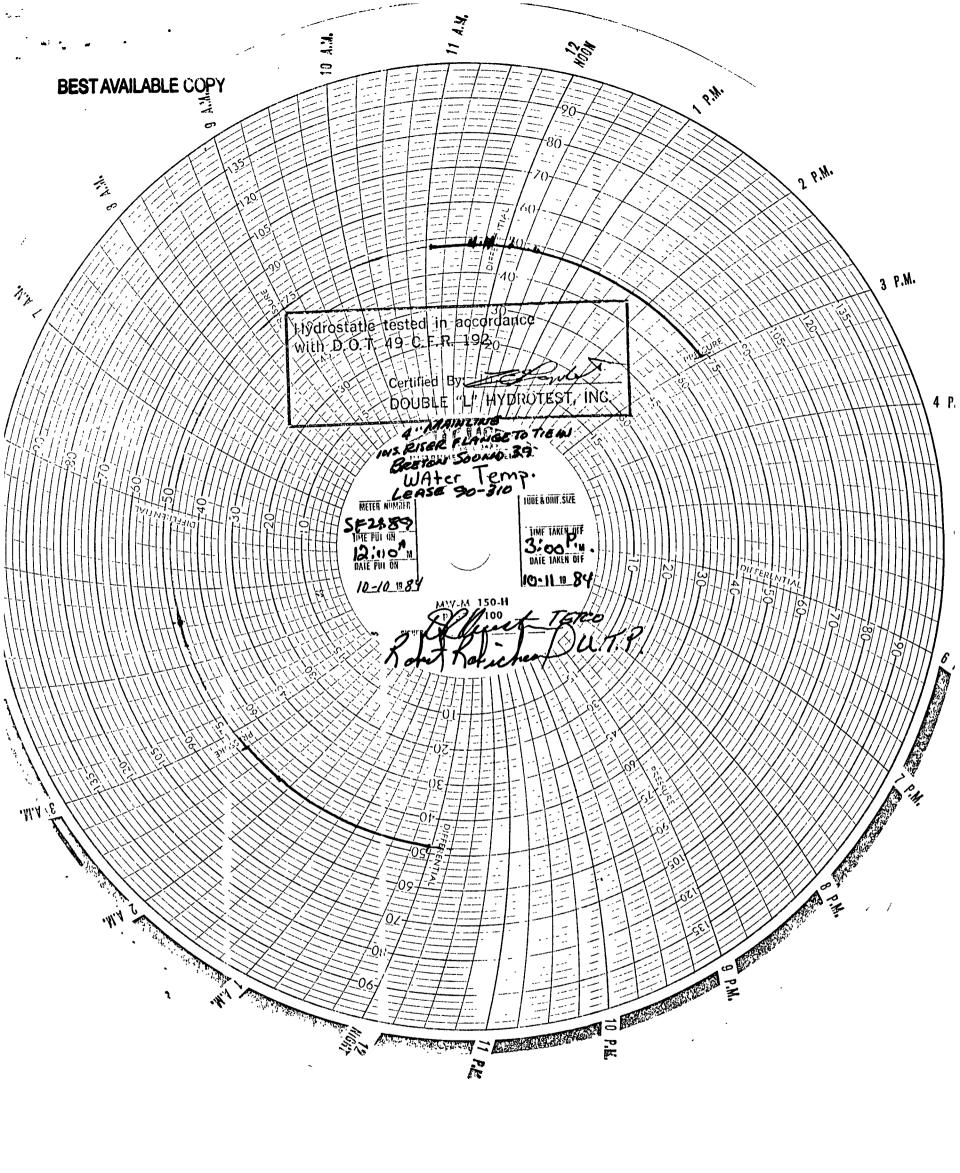


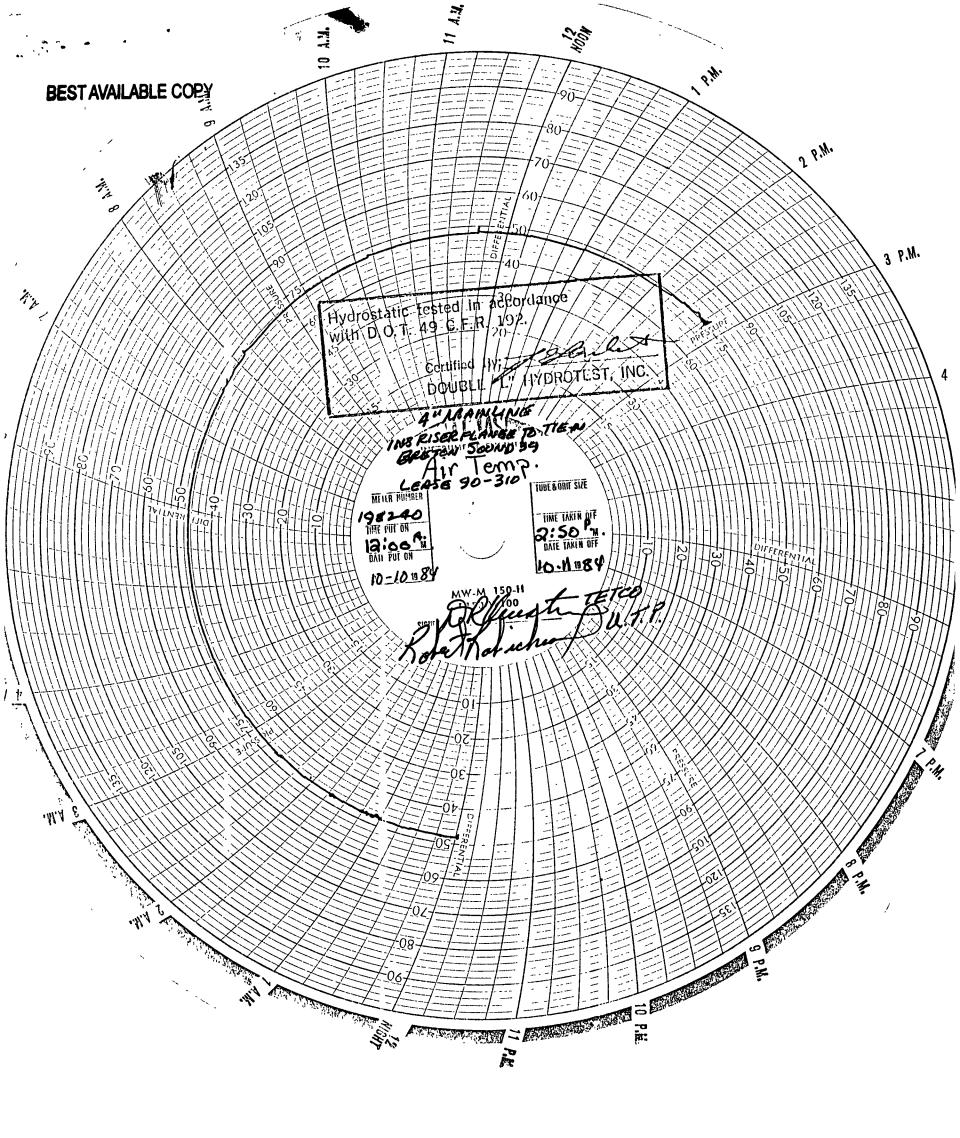


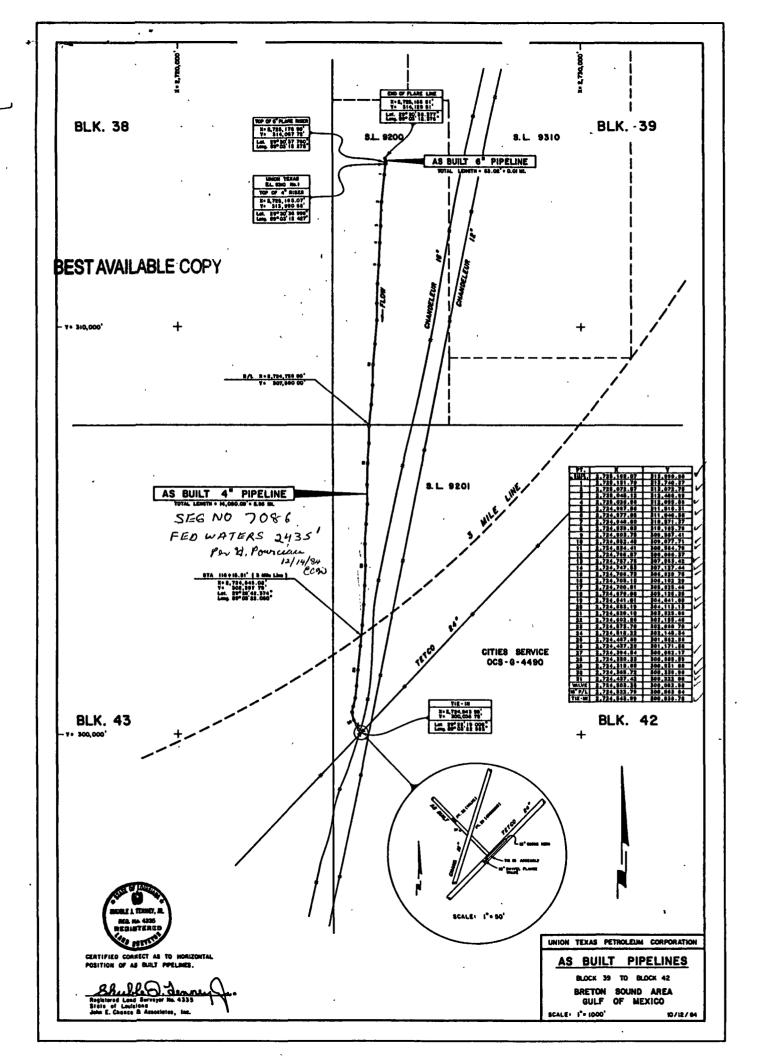
RECEIVED

DEC I 0 1984

Minerals Management Service
Rules and Production







Lafayette, Louisiana 70502

(318) 837-3140

October 12, 1984

U. S. Department of Interior Mineral Management Service P.O. Box 7944 Metairie, La. 70010

Attn: Mr. A. Alverado

UNION TEXAS Re: Pipeline Segment 7086

Dear Sir:

As per our conversation, we would like to amend our permit to increase our maximum working pressure from 1200 P.S.I. to 1440 P.S.I., which is the maximum working pressure of the Texas Eastern pipeline.

If you have any questions or request concerning this matter please feel free to call me at 318-837-3140

Sincerely

HP/cc

OP 447

UNION TEXAS

NOTED - ALVARADO

BEST AVAILABLE COPY

7-30-84 SN 7086

AUG 2 1984

In Reply Refer To: RP-2-2

Union Texas Petroleum Attention: Mr. Stephen W. Persky Post Office Box 52087 Lafayette, Louisiana 70505

Gentlemen:

Your letter dated April 11 and amended May 1, 1984, requests a permit for the installation of the following pipeline, all located in Breton Sound Block 42, Lease OCS-G 4490:

Pipeline Segment No.	Size (inches)	Length (feet)	Service	From	<u>To</u>
7086	4 1/2	2,423	Natural Gas	The Federal/State lease boundary	A subsea tie-in with a 24-inch Texas Eastern Transmission Corporation pipeline

Based on our calculations, the maximum allowable operating pressure for this pipeline is 1,200 psig.

The proposed installation of this pipeline meets the design requirements of OCS Order No. 9. Pursuant to Section 5(a)(7) of the OCS Lands Act, 43 USC 1334(a)(7), and Department of the Interior Regulations promulgated thereunder (see 30 CFR 250.20), the design, other features, and plan of installation are hereby approved, as proposed.

Pursuant to Section 5(f)(1) of the OCS Lands Act Amendments of 1978, effective September 18, 1978, this approval is granted upon the condition that the applicant agrees to operate said pipeline in accordance with the following competitive principles: Except as provided in Section 5(f)(2) of the OCS Lands Act, as amended, the pipeline must provide open and nondiscriminatory access to both owner and nonowner shippers.

You are required to conform to the following:

- 1. Notify the Platform/Pipeline Unit, Rules and Production, Metairie, Louisiana, 48 hours prior to installing this pipeline and prior to hydrostatic pressure testing.
 - 2. Adhere to the conditions of Notice to Lessees and Operators No. 83-3.

8,3-84 8,3-84

on more

- 3. Submit an "as-built" location plat and a hydrostatic pressure-test report within 30 days from the completion of the hydrostatic pressure test.
- 4. This permit is conditioned on the pipeline being designed, constructed, operated, and maintained in compliance with Transportation Department Regulations 49 CFR 192.

In future correspondence, please refer to the above pipeline by its assigned segment number.

Sincerely yours,

Top Sed J D.W. Solanas

D. W. Solanas Regional Supervisor Rules and Production

cc: U.S. Fish and Wildlife Service 1612 June Avenue Panama City, Florida 32405

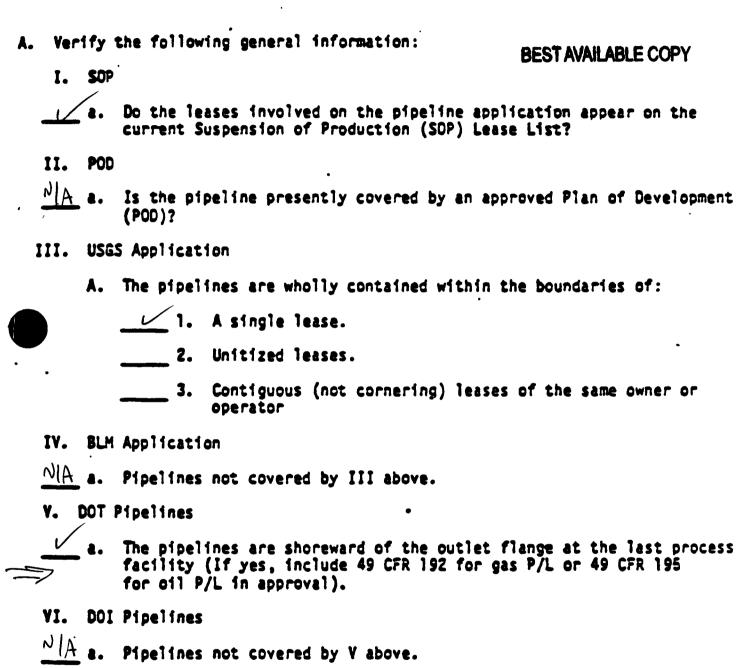
. , . , ,

bcc: 1502-01 Union Texas (w/orig appln) (RP-2-2)
Lease OCS-G 4490 (OPS-2-3)
OPS-4 (w/cy of plat)
D0-5 (w/cy of appln)
LE (P/L No. 7086)

AAlvarado: RKelly: jj:7/23/84: Disk 6

PIPELINE APPLICATION CHECK LIST

CHECK the blank on the left if the statement is affirmative correct data submitted. Make N/A (not applicable) where appropriate. Place an X in the blank if the answer is no or if the data was not submitted. All blanks marked X must be rectified to a check (or qualified) before approval can be given for the pipeline. Enter data in the blanks furnished.



	DEST AVAILABLE COPY
	that the information shown on the <u>safety equipment schematic</u> contains the following:
<u>/</u> 1.	The pipeline leaving the platform receiving production from the platform is equipped with high- and low-pressure sensors to directly or indirectly shut-in the well or wells on the platform.
N(A 11.	The pipeline delivering production to production facilities on the platform is equipped with automatic fail close valve tied into the automatic and remote shut-in system.
NIA III.	The pipeline crossing the production platform which does not deliver production to the platform, but which may or may not receive production from the platform, is equipped with high- and 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.
NIA IV.	The pipeline boarding the platform is equipped with a check valve.
v.	The pipeline leaving the platform is equipped with a check valve.
NIAvi.	The pipeline pump is shown as well as its associated high- and low-pressure shut-in device.
VII.	Check valves are located such that the low-pressure shut-in devices in I, II, and VI are not isolated.
NIA VIII.	If pipeline pilots are located on any pressure vessel or downstream of a departing check valve, all flow restriction(s), [backpressure valve(s), choke(s)], downstream of the process vessel, or wellhead, and upstream of check valve(s) must be indicated on the schematic.
	If flow restriction(s) exist downstream of any process vessel a low-pressure sensor must be installed between the flow restriction(s) and the departing check valve(s). High-pressure sensor(s) must be installed downstream of the wellhead choke.
NIA IX.	If safety equipment associated with the pipeline is located on a pig trap, so that it would be bypassed during pigging operations, add statement in approval letter referring to letter to lessees and operators, dated February 25, 1980, (Procedures for Temporary Removal of Pipeline-Related Safety Equipment)
	Pressure source is drawn into the schematic with the following: PRODUCTION EQUIPMENT a. Source
•• ,	b. Maximum source pressure, psig 3000 WELL HEAD, PRESSURE PRODUCTION EQUIPMENT
xı.	The rated working pressures of all separators, pumps, compressors, valves, flanges, and fittings upstream of and including the boarding automatic fail close valve are shown.

Close valve are snown. ANSI LOD

C. Verify	that the <u>location plat</u> depicts the following:
	Location of pipeline
<u></u>	Longth of pipeline 2423 (IN FEDERAL WATERS)
<u>/</u> m.	Size of pipeline
TV.	Type of service
v.	Direction of flow
	X-Y coordinates of key ponts
D. Verify	that the information given on the submitted data sheet is completed
and cal	culate the MADP _{sc} , MADP _{pc} , MADP _{p/1} .
I. Ger	neral information for calculating MAOP _{sc} , MAOP _{sc} , etc.
	se, se, se.
a.	Size of pipeline, inches 4.5
b.	Weight of pipeline, lbs./ft. 10.79
c.	Grade of pipeline B, SCH. 40
d.	Wall thickness, inches 0.237
•.	Size of riser, inches
£.	Weight of riser, lbs./ft. SAME AS LINE
8.	Grade of riser
h.	Wall thickness of riser, inches
. 1	MAX Minimum WP rating of piping, fittings, valves, psig 1440
	Hydrostatic test pressure (HTP), psig 1800
•	Hold time, hrs. 24
, .	Classification of pipeline (oil or gas) NAT. GAS
• • • • • •	

I. Gen	eral Information for Calculating LE _{p/1}
	Type of corrosion protection (platform amodes P/L amodes) or reco
<u>/</u> b.	If pipeline anodes are used:
	1. Type of anode ALUMINUM
	2. Spacing interval, ft. 500
	3. Weight of unit anode, lbs. 24
II. Cal	culate Life Expectancy of Corrosion Protection
NIA .	If platform anodes are used, annual pipe-to-electrolyte potential measurements are required.
<u></u>	If pipeline anodes are used:
	$LE_{p/1} = 3.82 \times 10^4 \times W^0/DIR? =$
	Wo = weight of one mode, pounds
	D = outside diameter of pipe, inches
	I = interval = length of pipe, feet + total number of anodes
	R = consumption rate, lbs./amp-yr.
<u> </u>	Is our calculated LE _{p/1} 2.20 years.
	If not, one of the following is necessary:
	1. The company agrees to increase their cathodic protection to meet the 20-year requirement.
•	2. Annual pipe-to-electrolyte potential measurements will be required.
3	$.82 \times 10^{4} \times 24 = 53.61$

III.	D 07	Pipelines PEST AVAILABLE COPY
	8.	IP 6 SMYS for submerged pipeline = 2st = 3686
	b.	(.72 x IP & SMYS) for submerged pipeline = 2654 (MAOP sc)
	c.	IP 0 SMYS for riser = 2st = 3484
·	d.	For oil P/L (.60 x IP 0 SMYS) for riser = N/A (MACP_E)
		For gas P/L (.50 x IP 6 SMYS) for riser = 1843
	•.	See DIi above . 1446 (MAOP PEV)
		Limit of Testing
		1. For oil P/L
		Is 1.25 MSP & HTP & .95 (IP & SMYS for smaller IP of a and c abo
•		<u> </u>
		2. For gas P/L riser component:
		Is 1.50 MSP # HTP of riser # .95 (IP @ SMYS of c above)
		<u> </u>
		3. For gas P/L submerged component:
		Is 1.25 MSP = HTP of submerged component = .95 (IP 0 SMYS of a a
		<u>{180°</u> <u>\$ 3502</u>
	8.	MAOP _{p/1} based on HTP
		1. For oil P/L HTP 1.25 *
	•	2. For gas P/L riser component HTP/1.5 = 1200 of riser

3. For gas P/L submerged component

HTP/1.25 = or submerged component

	MAOP _{p/1} = the	smalles	t of b, d, e, g, a	nd i above
		\$	1200	(MADP _{p/1})
	Test pressure	ANSI &	API carbon steel Ri	IJ & RF flanges and valv
•	2179	5	(From table :	3.1, page 31 API RP 14E)
	Is k> HTP	•		
	NOTE: If not			l letter to insure valve
		re pot s	ubjected to test pr	ressure.
		re Dot s	ubjected to test p	ressure.

IV. Pipeline Receiving Production (Installed Prior to July 31, 1977) Submerged Component Riser

8.	Size, inches	
ъ.	Grade	
е.	Wall thickness, inches	
d.	Minimum working pres- sure of valves and flanges	(MACPpfv)
•.	Date of last hydro- static test	
£.	HTP, psig	
8.	Hold time, hrs.	
h.	MAOP based on HTP HTP/1.25	
i.	IPESMYS for submer- ged P/L 2ST/D	
j.	(.72 x IP@SMYS) for submerged P/L	(MAOPsc)
k.	IPOSMYS for riser 25T/D	
1.	(.60 x IPESMYS) for riser .	(MAOPTE)
a.	tested since July 1, 19	s a DOT gas P/L and has not been 071, then what is the HAOP to which ded during the 5 years prior to
a.	MAOP of receiving P/L2 MSP of proposed P/L	MAOP of proposed P/LZ
G-1689	1440	
FROM MP92	1200 working pressure	
	*HAOP - Highest actual	operating pressure



F. Verify that the information given on the submitted data sheet is complete; and calculate the specific gravity on the pipeline SG_{pl})

٥.	Description of	pipelines	protective	coating	17-15 MILS	SCOTCHKOTE	217
----	----------------	-----------	------------	---------	------------	------------	-----

II. Specific information pertaining SGp/1

a.
$$S6_{p/1} = \frac{dc}{d} + \left[\frac{K_2}{(T-K_1)^2} + \frac{dc}{K_3} - \frac{dc}{d}\right] = \frac{C}{K_3}$$

IV. Specific gravity for epoxy-coated pipelines:

a.
$$SG_{p/1} = 2.865 \text{ w/d}^2 = 1.51\%$$

(w = weight of pipe, d = diameter, inches)

V. Is calculated S.G ≃operator's given SG

1.518	~	1.784	
		101	

JTE: If not, resolve. If the SG is close to a value of 1, the pipeline is unacceptable and must be weighted with concrete or anchored securely to the bottom.

I. If pipeline crosses an exist	ing pipeline, the follo	owing conditions
must be met:		•
	ince between pipelines.	
NIA 2. If pipeline is buried proposed pipeline?	is there 3-feet of cov	er provided for the
3. Slope of sandbags		
a. Diameter of bo	oth pipelines is $\leq 8.5/3$	B-inch - 2:1 slope
b. Diameter of ei	ther pipeline is > 8 5	/8-inch - 3:1 slope
	ngs if both pipelines ('size) - 3:1 slope	are unburied
bsea taps, the following condition 1. Minimum 3-feet of cov	is must be met:	
NA 2. If a birdcage is util of 3-feet of cover. Verify the following general inf	ized it must be provide	
Future tie-in point(s NA 2. If a birdcage is util of 3-feet of cover. Verify the following general inf I. Water depth, ft. 17	ized it must be provide	
future tie-in point(s NA 2. If a birdcage is util of 3-feet of cover. Verify the following general inf I. Water depth, ft. 17 II. Burial depth, ft. 3	ized it must be provide Cormation: (Max)	ed with a minimum
future tie-in point(s NA 2. If a birdcage is util of 3-feet of cover. Verify the following general inf I. Water depth, ft. 17	ized it must be provide Cormation: (Max)	ed with a minimum
future tie-in point(s NA 2. If a birdcage is util of 3-feet of cover. Verify the following general inf I. Water depth, ft. 17 II. Burial depth, ft. 3	ized it must be provide formation: (Max) (MOP)* 1200	ed with a minimum
future tie-in point(s NA 2. If a birdcage is util of 3-feet of cover. Verify the following general inf I. Water depth, ft. 17 II. Burial depth, ft. 3 III. Anticipated Operating Pressu	ized it must be provide formation: (Max) (MOP) 1200	ed with a minimum (Min)
future tie-in point(s NA 2. If a birdcage is util of 3-feet of cover. Verify the following general inf I. Water depth, ft. 17 II. Burial depth, ft. 3 III. Anticipated Operating Pressu IV. Capacity 10 MM SCFD Verification of Information Per	ized it must be provide formation: (Max) (MOP) 1200	ed with a minimum(Min)

UNITED STATES GOVERNMENT MEMORANDUM

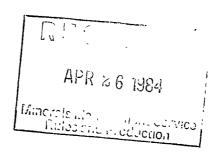
	Date <u>April 23, 1984</u>
Γο:	Chief, Plans, Platform, and Pipeline Section, Offshore Rules and Production, GOM Region (RP-2)
From:	Chief, Environmental Operations Section, Leasing and Environment, GOM Region (LE-5)
Subject:	National Environmental Policy Act (NEPA) Review for Action No. P-7086
	Union Texas Petroleum
	Pipeline Application
	Lease OCS-G 4490, Breton Sound Block 42_
The oper	rator proposes to install a 4.5-inch natural gas pipeline from the
Federal,	State boundary line X=2,724,650,53' Y=302,472.75' to a subsea tie-in
with the	e Texas Eastern Transmission Corp. 24-inch gas pipeline.
	
	

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.

Compliance with NTL 83-3 is required due to the proximity of existing pipelines to the proposed pipeline.

cc: Lease OCS-G 4490 POD File w/CER (OPS-4)

ODeWald:wrd





EDWIN W. EDWARDS
GOVERNOR
WILLIAM C. HULS

DEPARTMENT OF NATURAL RESOURCES

MICHAEL BOURGEOIS
DEPUTY SECRETARY

July 12, 1984

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

RF:

C840330, Coastal Zone Consistency Union Texas Petroleum Corporation

Propose to install and maintain a 4-inch. Natural Gas Pipeline, Breton Sound Blk. # 39 & 42 near Venice, La., Off Plaquemines Parish

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 Union Texas Petroleum Corporation, as required in Section 307(c)(3)(B) (Subpart E) of the Coastal Zone Management Act of 1972 as amended.

Sincerely,

WILLIAM C. HULS

BY:

Dr. C. G. Groat

Assistant to the Secretary

WCH:CGG/se

cc: Ron Ventola
U.S. Army Corps of Engineers

Union Texas Petroleum Corporation c/o Continental Engineering & Construction Services, Inc. RECEIVED

JUL 17 1984

Minerals Management Service Rules and Production

2086



CITIES SERVICE OIL AND GAS CORPORATION 1980 POST OAK BOULEVARD

BOX 27570 HOUSTON, TEXAS 77227

June 1, 1984

(713) 850-6100

Union Texas Petroleum
P. O. Box 52087
Building 15A, Claco Blvd.
Lafayette, Louisiana 70505
Attn: Mr. Stephen W. Persky

Re: Breton Sound Block 39 Proposed 4" Pipeline

Gentlemen:

Cities Service Oil and Gas Corporation has no objection to the routing of your 4" line from the production facility in Breton Sound Blk. 39 to the tie-in to Texas Eastern's line in Block 42.

Yours very truly,

CITIES SERVICE OIL AND GAS CORPORATION

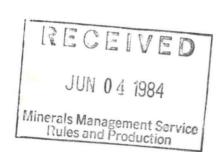
T. Hill Hooks

Landman

Gulf of Mexico Region

gr encl.

cc: Gulf of Mexico Region
Minerals Management Service
P. O. Box 7944
Metairie, LA 70010
Attn: Alex Alverado



Union Texas Petroleum

P O Box 52087 Building 15A, Claco Boulevard Lafayette, Louisiana 70505

May 21, 1984

City Service 1980 Post Oak Blvd. Houston, TX 77227

Attention John Yard

RE: Breton Sound Blk. 39

MMS #7086

Dear Mr. Yard:

As per our telephone conversation please find attached a pipeline map. This map indicates the routing of our proposed 4" line from the production facility in Breton Sound Blk. 39 to the tie-in to Texas Eastern Transmission Company line in Blk. 42 as denoted by the listed X, Y coordinates. The above referenced MMS # is your return correspondence.

Please advise if you have any objections to this line or its proposed route.

Thank you,

Stephen W. Persky

Sr. Petroleum Engineer

SWP/par

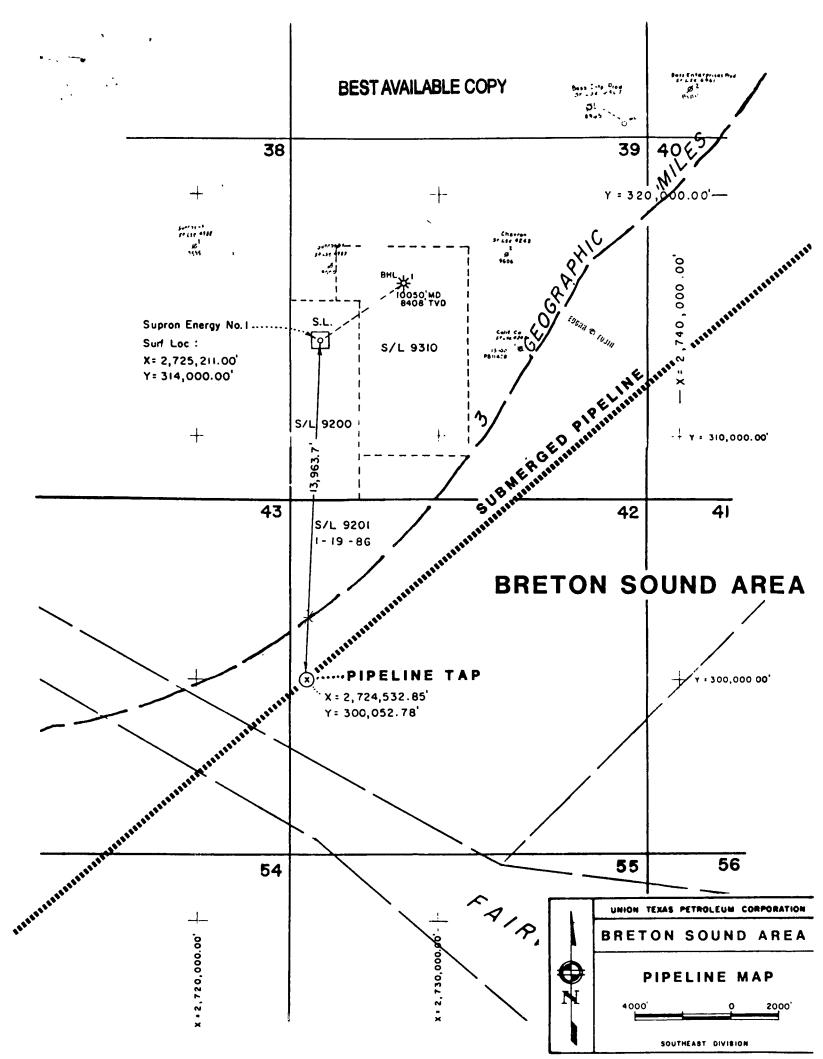
Enclosure: Attachment

cc: Gulf of Mexico Region
Minerals Management Service
P. O. Box 7944
Metairie, LA 70010
Attention Alex Alverado

RECEIVED

MAY 24 1984

Minerals Management Servico Rules and Production



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May 1. 1984

U. S. Dept. of Interior Mineral Management Service P.O. Box 7944 Metairie, La. 70010

Re: Pipeline Segment 7086

Attn: Mr. Carl Walker

Dear Sir:

Enclosed please find the drawings and specifications you requested for the Union Texas Petroleum Corp. pipeline permit application.

- 1. Pipe: 4" Sch. 40. Grade B
- 2. Well-Head Pressure: 3000 #
- 3. Anode: 20 Year Life, 500' apart, 24# Aluminum
- 4. The working pressure of all valves, flanges and fittings 1s 1440 ps1
- Pipe coating: 12 to 15 mills of Scotch Coat 212
- Buoyancy of Pipe: Empty .5604 with Gas .575 Density & Fife 6.
- Length of line in Federal waters: 2422.83 7.
- 8. The working pressure of Texas Eastern pipeline is 1200 psi

If you have any questions or requests regarding this information, please contact Mr. Curt Clark or myself at 318-837-3140

Sincerely

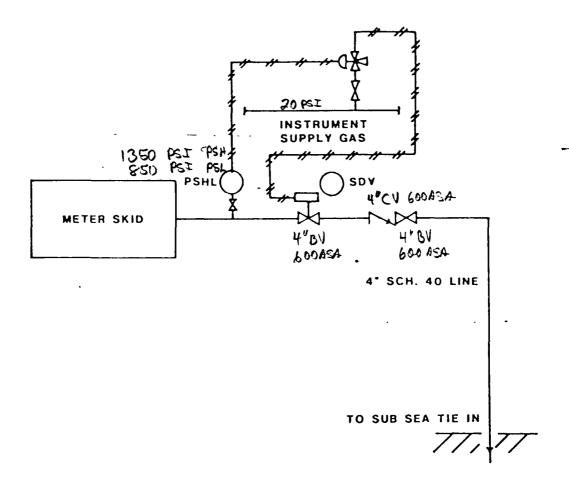
EMPTT

Herb Pourciau

HP:sc

MAY 09 1984

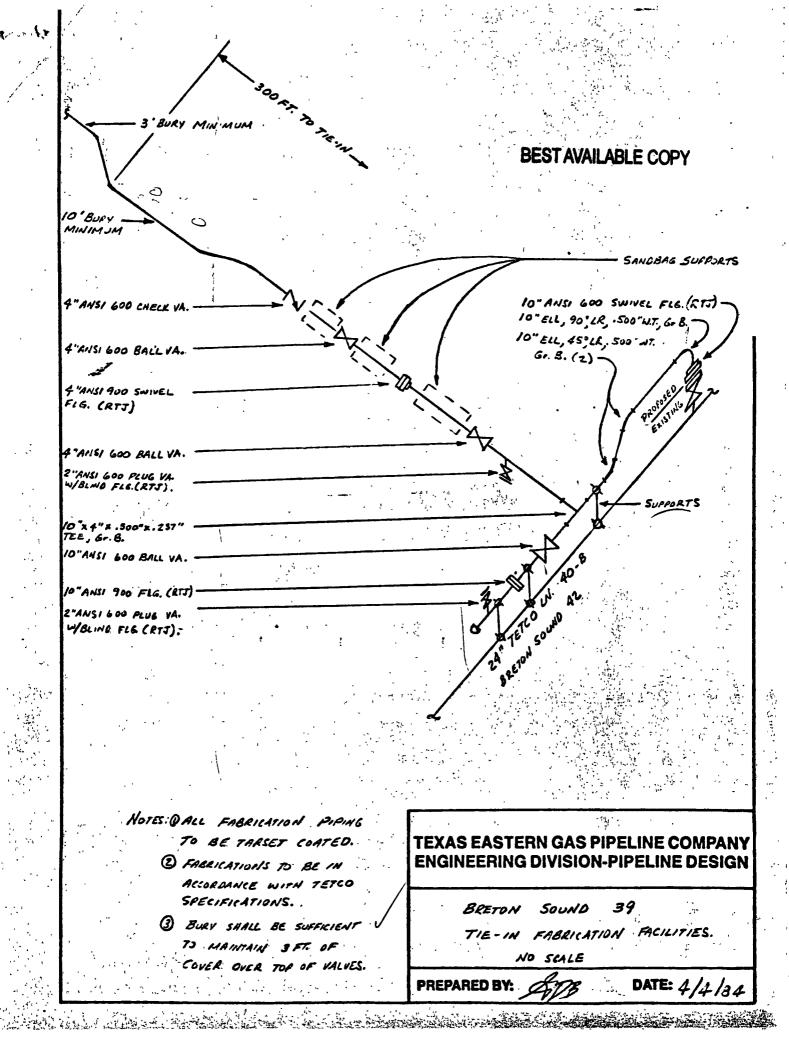
BEST AVAILABLE COPY



BRETON SOUND BLK. 32
SAFETY SCHEMATIC FOR SALES LINE

4/84

DRAWER A



Lafayette, Louisiana 70502

(318) 367-0032

BEST AVAILABLE COPY

April 11, 1984

U. S. Dept. of Interior Mineral Management Service P. O. Box 7944 Metairie, LA 70010

> Permit Application for Re: 4" Ø Natural Gas Pipeline

Breton Sound 39-42

Attention: Mr. Don Solanas

RP-22

Dear Sir:

Enclosed please find the appropriate documents for our pipeline right-of-way application. The applicant and owner of the line will be:

> Union Texas Petroleum P. 0. Box 52087 Building 15A Calco Blvd. Lafayette, LA 70505

You should have the approriate corporate records on file, as a result of the pipelines that have been installed in Eugene Island Blks. 384 and 43.

If you have any questions or requests regarding this application, please contact Mr. Curt Clark or the undersigned at 318-837-3140, Continental Engineering & Construction Services, Inc.

Sincerely,

Herb Pourciau, P.E. No. 12464

HP:jh

APPLICATION FOR A DEPARTMENT OF THE ARMY PERMIT

For use of this form, see EP 1145-2-

The Department of the Army permit program is authorized by Section 10 of the River and Harbor Act of 1899, Section 404 of P. L. 92-500 and Section 103 of P. L. 92-532. These laws require permits authorizing structures and work in or affecting navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. Information provided in ENG Form 4345 will be used in evaluating the application for a permit. Information in the application is made a matter of public record through issuance of a public notice. Disclosure of the information requested is voluntary; however, the data requested are necessary in order to communicate with the applicant and to evaluate the permit application. If necessary information is not provided, the permit application cannot be processed nor can a permit be issued.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and checklist) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

1. Application number (To be assigned by Corps)	2. Date 9 4 1984 Day Mo. Yr.	3. For Corps use only.
4. Name and address of applicant. Union Texas Petroleum Corporation P.O. Box 52087 Building 15A, Claco Boulevard Lafayette, Louisiana 70505 Telephone no. during business hours A/C (318	5. Name, address and title of Continental Engineers. Services, Inc. P.O. Box 2817 Lafayette, Louis Telephone no. during A/C (318 837-A/C (318 837-	

6. Describe in detail the proposed activity, its purpose and intended use (private, public, commercial or other) including description of the type of structures, if any to be erected on fills, or pile or float—supported platforms, the type, composition and quantity of materials to be discharged or dumped and means of conveyance, and the source of discharge or fill material. If additional space is needed, use Block 14.

Install and maintain a 4-inch Natural Gas pipeline. Dredging will consist of the removal of approximately 11,400 cubic yards of spoil for the pipeline trench which will be used as cover after installation of the prosed pipeline

7. Names, addresses and telephone numbers of adjoining property owners, lessees, etc., whose property also adjoins the waterway.

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8. Location where p	Location where proposed activity exists or will occur.					
Address:	Address:			Tax Assessors Description: (If known)		
Street, road or o	ther descriptive location	on .	Map No.	Subdiv. No.	Lot No.	
In or near city or town			Sec.	Twp.	Rge.	
County	State	Zip Code				

Breton Sound Blk# 39 and 42 near Venice, La. off Plaquemines Parish

10.	Date activity is proposed to commence. June 11-1984
	Date activity is expected to be completed June 25 1984
11.	Is any portion of the activity for which authorization is sought now complete? If answer is "Yes" give reasons in the remark section. Month and year the activity was completed Indicate the existing work on the drawings.
12.	List all approvals or certifications required by other federal, interstate, state or local agencies for any structures, construction, discharges, deposits or other activities described in this application.
Env Coa Off La.	Issuing Agency Type Approval Identification No. Date of Application Date of Approval It. of Transportation & Development Office of public Works No objection ricomental Section La. Dept of Wildlife & Fisheries Istal Use Permit Section Dept. of Wildlife & Fisheries Tice of Environmental Affairs Div. Water Pollution Control Dept. of Natural Resources Coastal Management Section Headquemines Parish Police Jury
13.	Has any agency denied approval for the activity described herein or for any activity directly related to the activity described herein?
	Yes X No (If "Yes" explain in remarks)
14.	Remarks or additional information.
	BEST AVAILABLE COPY
15.	Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities.
	Signature of Applicant or Authorized Agent Continental Engineering & Const. Svcs. In

The application must be signed by the applicant; however, it may be signed by a duly authorized agent (named in Item 5) if this form is accompanied by a statement by the applicant designating the agent and agreeing to furnish upon request, supplemental information in support of the application.

18 U. S. C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of The United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisioned not more than five years, or both. Do not send a permit processing fee with this application. The appropriate fee will be assessed when a permit is issued.

March 27, 1984

Department of Natural Resources Office of Environmental Affairs Water Pollution Control Division P. O. Box 44066, Capitol Station Baton Rouge, LA 70804

BEST AVAILABLE COPY

Attention: Mr. J. Dale Givens

RE: P811309

Breton Sound BlK #39 S/L 9310 #1 & 1D

Dear Sir:

State Lease 9310 #1 and 1D were recently completed in Breton Sound Blk. #39 Field and will be put on production within approximately 90 to 120 days after the construction of production facilities. The test indicated little to no liquid production, however, the production facilities will be designed to handle the potential production of condensate and saltwater.

Storage will be made available for condensate production with removal by barge transport. Approval is requested to dispose of the produced saltwater overboard from the facilities sump. This sump is designed to separate any small amounts of hydrocarbons from the waste water. The maximum projected water production should not exceed 200 bbl/day. All production equipment will have a 6" pollution barrier to contain any hydrocarbon pollution.

The precise designated location of this well and facilities are Lat 29°30' 37.083"N Long 80°03' 11.905"W.

If you receive any further information concerning this matter, please advise.

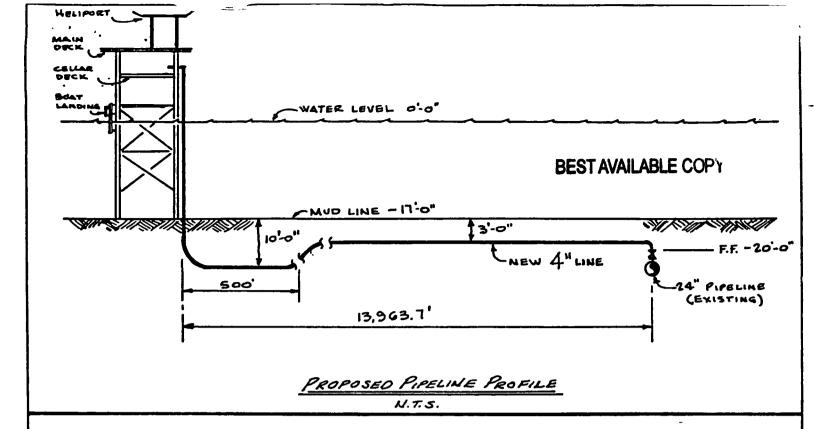
Sincerely yours,

UNION TEXAS PETROLEUM CORPORATION

Stephen W. Persky

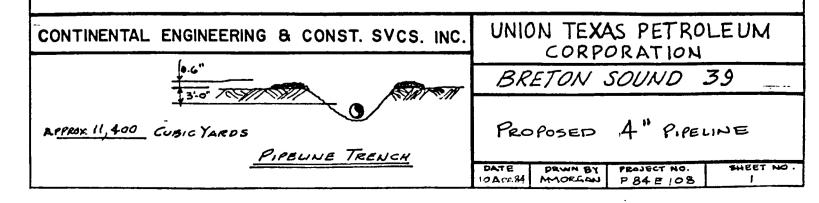
Sr. Petroleum Engineer

SWP/par

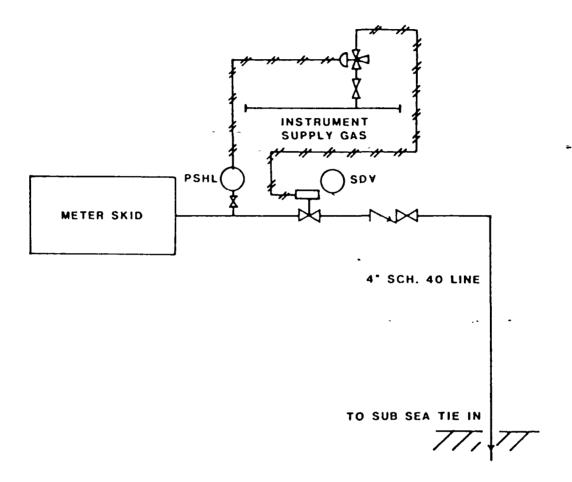


DRY NATURAL GAS TRANDPORTED PRODUCT 4". 10.75#/ff, SCH 40, . 237 WALL SIZE, WEIGHT, GRADE OF PIPE 2. 13,963 3. LENGTH OF LINE 17' MAXIMUM WATER DEPTH 4. CATHODIC PROTECTION 5. CORROSION PROTECTION SCOTCH GOAT 212 PROTECTIVE GOATING 6. 48.6#/517 7. BULK SPECIFIC GRAVITY .5604 8 ANTICIPATED DENSITY 1200#, 10 mm scED 9. DESIGN WORKING PRESSURE & CAPACITY 1200 - 14.8 MASCED MAXIMUM WORKING PRESSURE & CAPACITY ⁻10.

GENERAL PIPELINE INFORMATION



BEST AVAILABLE COPY



BRETON SOUND BLK. 32
SAFETY SCHEMATIC FOR SALES LINE

4/84

DRAWER A

