

SOUTHERN NATURAL GAS COMPANY

POST OFFICE BOX 2563
BIRMINGHAM, ALABAMA 35202

J. W. BLEDSOE
VICE PRESIDENT-TRANSMISSION

May 27, 1980

SN 5853
601920b

Mr. John L. Rankin, Manager
New Orleans OCS Office
Bureau of Land Management
Hale Boggs Federal Building
500 Camp Street, Suite 841
New Orleans, Louisiana 70130

Dear Mr. Rankin:

Application for a Proposed 24-Inch
Natural Gas Pipeline Located From
Block 665 To The Three League Line
in Block 658, Matagorda Island Area,
Offshore Texas, Gulf of Mexico

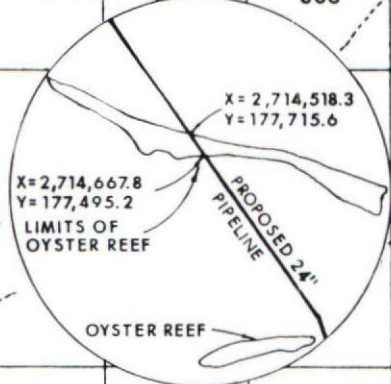
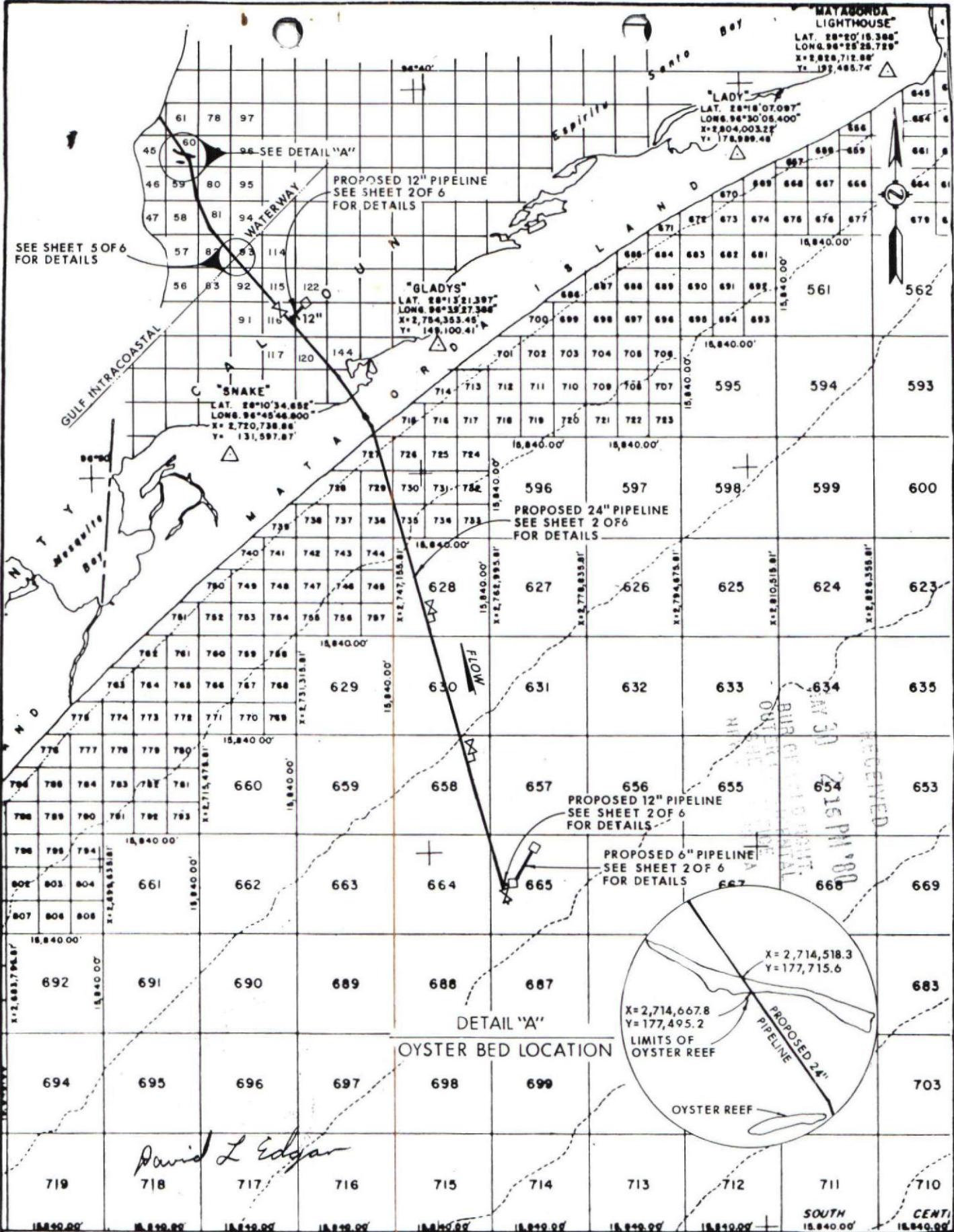
Pursuant to the authority granted in Section 5(e) of the Outer Continental Shelf Lands Act (67 Stat. 462) (43 U.S.C. 1331), as amended (92 Stat. 629) and in compliance with the regulations contained in Title 43, CFR 3340, Southern Natural Gas Company hereby applies, in triplicate, for a right of way two hundred feet (200') in width to construct, maintain and operate a 24-inch natural gas pipeline as shown on the following drawings, prepared and certified in accordance with applicable guidelines:

Corps of Engineers Drawing H-2878-2000
Vicinity, Route Profile and Cathodic
Protection Drawing No. H-2878-100
Safety Schematic Drawing No. H-2878-3003

The 24-inch pipeline will be used to transport natural gas from Block 665 Matagorda Island Area, Offshore Texas, Gulf of Mexico to Block 116, located in the San Antonio Bay, Calhoun County, Texas.

In accordance with applicable regulations, a copy of this application and attachments thereto have been mailed by Certified Mail, Return Receipt Requested, to each lessee or right of way holder whose lease or right of way

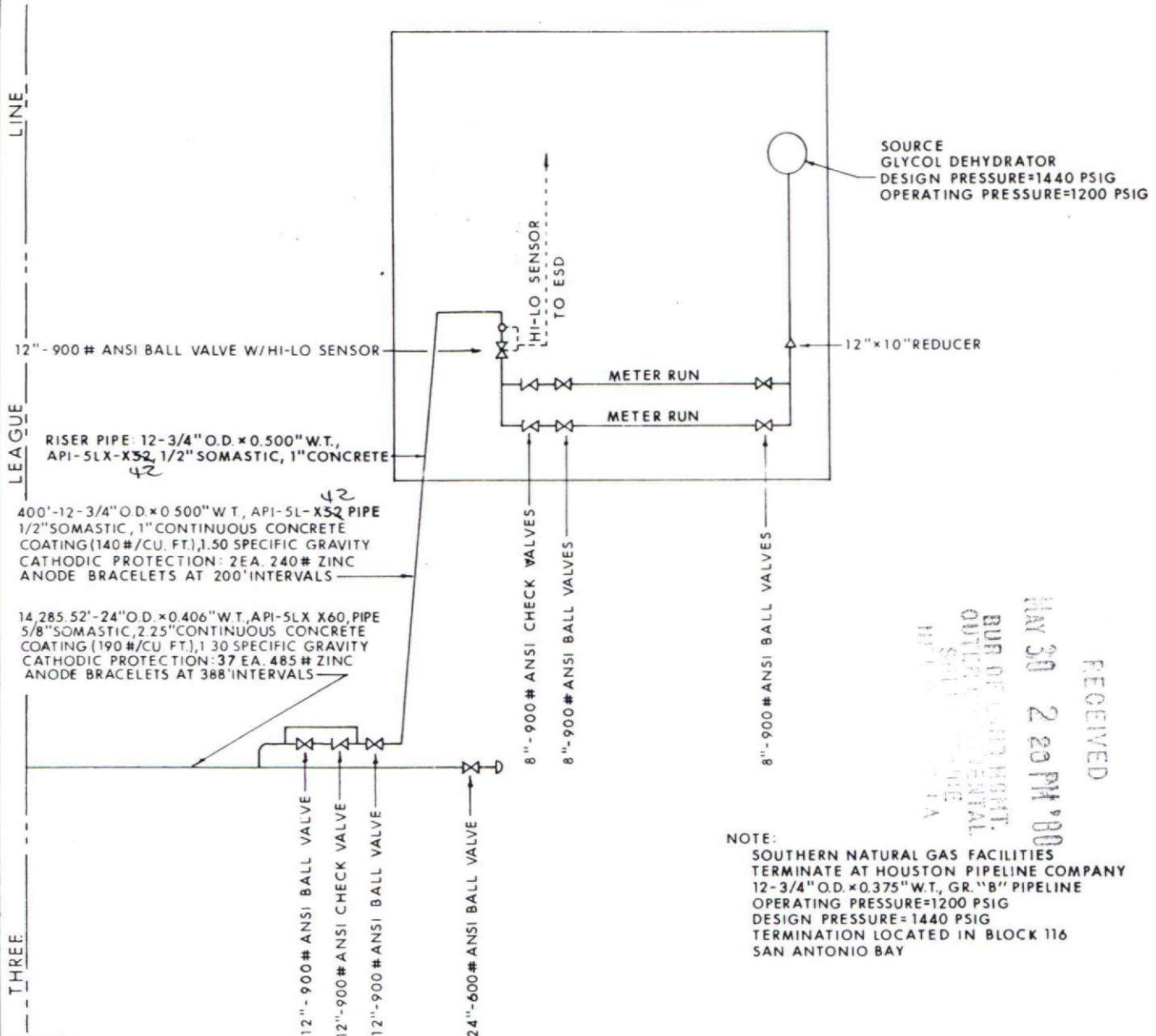
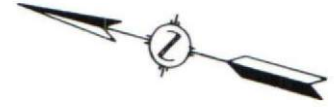
UW-6430



SCALE		NONE	Ford, Bacon & Davis Construction Corporation MONROE, LOUISIANA PREPARED FOR FLORIDA GAS TRANSMISSION CO. WINTER PARK, FLORIDA	DRAWING TITLE	
DRAWN	EDW	DATE 5-19-80		OFFSHORE INDEX MAP	
CHECKED	WAW	DATE 5-20-80		OFFSHORE TEXAS	
APPROVED	JD	DATE 5-25-80			
APPROVED		DATE		DWG NO	H-2878-2000
					1 SHEET OF 6

19

MATAGORDA ISLAND AREA
BLOCK 665
TRANSOCEAN BLK. 665 "A" PRODUCTION PLATFORM



RECEIVED
 MAY 30 2 28 PM '80
 BUN OF LAND ROBERT.
 OUTRICK CONTINENTAL
 SOUTHERN NATURAL GAS
 COMPANY

NOTE:
 SOUTHERN NATURAL GAS FACILITIES
 TERMINATE AT HOUSTON PIPELINE COMPANY
 12-3/4" O.D. x 0.375" W.T. GR. "B" PIPELINE
 OPERATING PRESSURE=1200 PSIG
 DESIGN PRESSURE=1440 PSIG
 TERMINATION LOCATED IN BLOCK 116
 SAN ANTONIO BAY

- NOTES:
1. FACILITIES DESIGNED IN ACCORDANCE WITH D.O.T. REGULATIONS.
 2. DESIGN PRESSURE = 1440 PSIG
OPERATING PRESSURE = 1200 PSIG

PREPARED BY **Jord, Bacon & Davis**
Construction Corporation

ACTING AS AGENT FOR
 SOUTHERN NATURAL GAS COMPANY

DATE May 19, 1980

David L Edgar

DWG. C.E.H.	DATE 5-19-80	SCHEMATIC SAFETY SHUT DOWN SYSTEM MATAGORDA ISLAND AREA	SOUTHERN NATURAL GAS COMPANY	
SCALE NONE	APP'D.		BIRMINGHAM,	ALABAMA
CHK'D. WAH	APP'D.		DWG. NO. H-2878-3003	REV.

MS-P 44337



United States Department of the Interior

GEOLOGICAL SURVEY

IMPERIAL OFFICE BLDG., 3301 N. CAUSEWAY BLVD.

P. O. BOX 7944

METAIRIE, LOUISIANA 70010

TEL (504) 837-4720

In Reply Refer To: OS-5

JUN 30 1980

NEW ORLEANS OCS
FILE CODE _____
ROUTE _____ INITIAL _____
MGR. _____
ASST. MGR. _____
JUL 01 1980
P. LEGAL _____
PAO _____
EAD _____
OPS _____
STUDIES _____
MGMT. SER. _____

Memorandum

To: Manager, Bureau of Land Management, 841 Hale Boggs Federal Building,
500 Camp Street, New Orleans, Louisiana 70130

From: Conservation Manager, Gulf of Mexico OCS Region

Subject: Southern Natural Gas Company's Right-of-Way Pipeline Application,
BLM OCS-G 4337

We have reviewed the safety features and design specifications for the subject Right-of-Way Application, dated May 27, 1980, in accordance with the MOU dated August 1, 1974. It is for the construction, maintenance, and operation of a 24-inch natural gas pipeline 14,286 feet in length from coordinates $x = 2,764,764.85$ and $y = 64,837.79$, in Matagorda Island Block 665, Lease OCS-G 3464, to the Federal/State Lease boundary at $x = 2,761,026.82$ and $y = 78,521.95$, in Matagorda Island Block 658. This pipeline will receive production from Southern Natural Gas Company's 12 3/4-inch pipeline (BLM OCS-G 4336).

Based upon information submitted in the application, the design characteristics of this pipeline are calculated to be as follows:

<u>Pipeline Component</u>	<u>Maximum Allowable Operating Pressure/WP Ratings</u>
Submerged component	1,461 psig
Valves, flanges, fittings	1,440 psig

The hydrostatic pressure test with water will be in the range of 1,795 to 1,800 psig for eight hours for the submerged component. The ANSI 600 valves should not be subjected to a test-pressure differential greater than 1,440 psig.

Based on these calculations, we recommend that the maximum allowable operating pressure for this pipeline be 1,440 psig, which is the hydrostatic test pressure divided by 1.25, and that this pressure may be exceeded only when hydrostatically pressure-testing the pipeline. We also recommend that valves and taps at the future tie-in point be provided with a minimum of three feet of cover, either through burial or with sandbags.

The technical aspects of the proposed pipeline are acceptable in accordance with appropriate regulations and standards.

We would appreciate receiving a copy of the plat showing the location of the pipeline as installed.


Lowell G. Hammons

RECEIVED
SEP 11 1961
U.S. DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
DENVER, COLORADO



United States Department of the Interior

IN REPLY REFER TO
OCS-G 4337

BUREAU OF LAND MANAGEMENT

NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE

HALE BOGGS FEDERAL BUILDING

500 CAMP STREET-SUITE 841

NEW ORLEANS, LA. 70130

Matagorda Island Area

July 23, 1980


Southern Natural Gas Company

Right-of-Way

ACTION: APPLICATION APPROVED

Your application for a right-of-way 200 feet in width for the construction, maintenance, and operation of a 24-inch natural gas pipeline, 2.71 miles in length, from coordinates X=2,764,791.20 and Y=64,741.33 in Block 665, Matagorda Island Area, across Block 664, Matagorda Island Area, to a point at X=2,761,026.82 and Y=78,521.95 where it crosses into State waters in Block 658, Matagorda Island Area, dated May 27, 1980, with its attachments is hereby approved with the following additions and corrections:

1. Unidentified magnetic anomalies at Shot Point 5.8, Line 1003, and Shot Point 12.0, Line 2001, shall be avoided by 150 meters when positioning lay barge anchors.
2. The Maximum Allowable Operating Pressure (MAOP) for this pipeline is 1,440 psig.


John L. Rankin
Manager

cc:
✓ Geological Survey, USDI
Office of Pipeline Safety Operations, USDT

NOTED NEMECK

JUL 25 1980



United States Department of the Interior

NEW ORLEANS OCS

FILE CODE	
ROUTE	INITIAL
MGR.	
ASST. MGR.	
DATE	1981
LEGAL	
PAO	
FAD	
OPS	
STUDIES	
MGMT. SER.	

GEOLOGICAL SURVEY

IMPERIAL OFFICE BLDG., 3301 N. CAUSEWAY BLVD

P. O. BOX 7944

METairie, LOUISIANA 70010

BUR. OF LAND MGMT.
OUTER OFFICE
TEL (504) 837-4720

In Reply Refer To: OS-5

MAR 23 1981

Memorandum

To: Manager, Bureau of Land Management, 841 Hale Boggs Federal Building,
500 Camp Street, New Orleans, Louisiana 70130

From: Conservation Manager, Gulf of Mexico OCS Region

Subject: InterNorth's Pipeline Right-of-Way Application, BLM OCS-G 4625

We have reviewed the safety features and design specifications for the subject Right-of-Way Application, dated January 21, 1981, in accordance with the MOU dated August 22, 1980. It is for the construction, maintenance, and operation of a 24-inch natural gas pipeline 26,782 feet in length from Cities Service Company's Platform A, Matagorda Island Block 686, Lease OCS-G 3486, to a subsea tie-in with Southern Natural Gas Company's existing 24-inch pipeline in Matagorda Island Block 665, Lease OCS-G 3464.

Based upon information submitted in the application, the design characteristics of this pipeline are calculated to be as follows:

<u>Pipeline Component</u>	<u>Maximum Allowable Operating Pressure/WP Ratings</u>
Submerged component	1,462 psig
Riser component	1,250 psig
Valves, flanges, fittings	1,440 psig

The hydrostatic pressure test with water will be at 1,875 psig for 24 hours. The ANSI 600 valves should not be subjected to a test-pressure differential greater than 1,440 psig.

Based on these calculations, we recommend that the maximum allowable operating pressure for this pipeline be 1,250 psig, which is the hydrostatic test pressure divided by 1.5, and that this pressure may be exceeded only when hydrostatically pressure-testing the pipeline. We also recommend that valves and taps at the subsea tie-in be provided with a minimum of three feet of cover, either through burial or with sandbags.

In addition, we recommend the applicant be advised of the Notice to Lessees and Operators No. 80-5, "Planning and Conduct of Operations in the Vicinity of Existing Pipelines and Other Hazards."

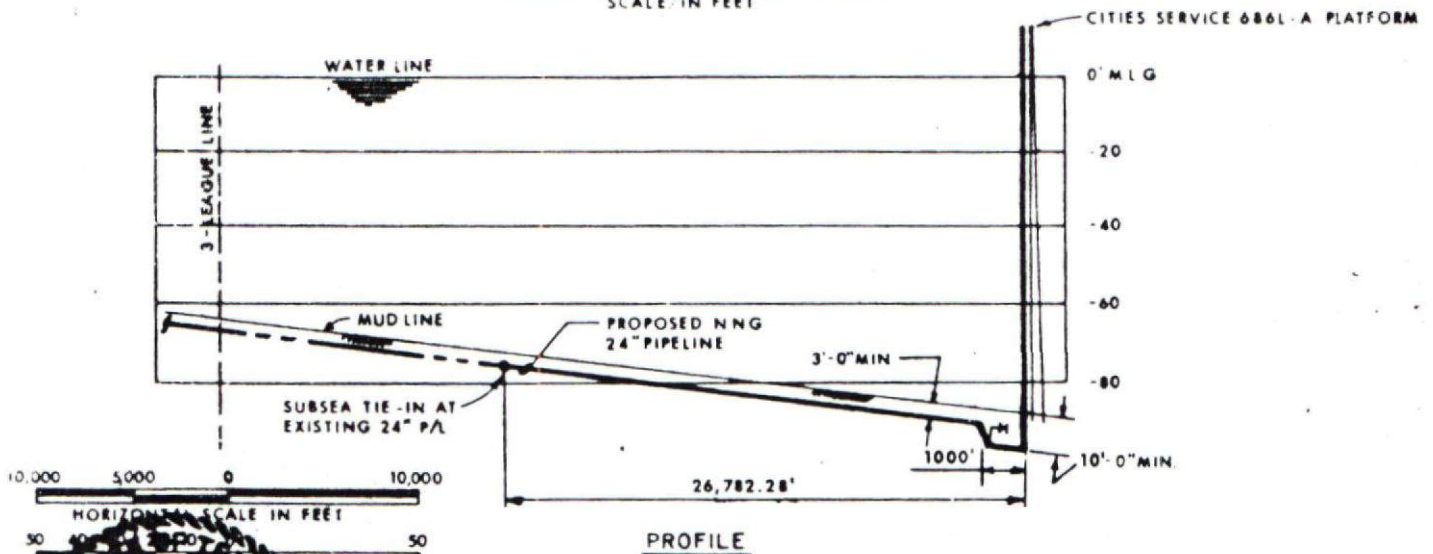
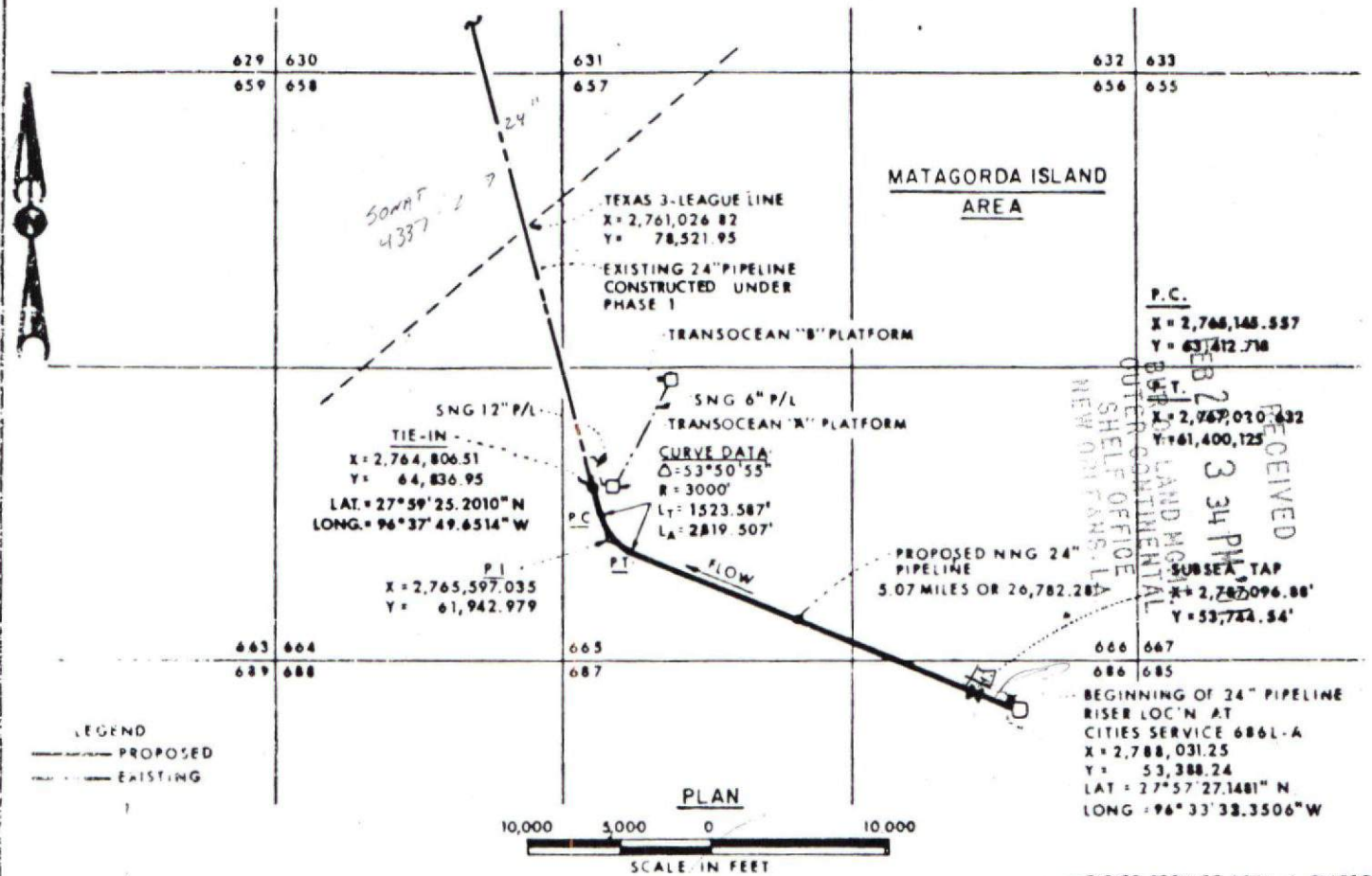
The technical aspects of the proposed pipeline are acceptable in accordance with appropriate regulations and standards.

We would appreciate receiving a copy of the plat showing the location of the pipeline as installed.


Lowell G. Hammons

RECEIVED
MAR 30 10 26 AM '81
BUREAU OF LAND MANAGEMENT
OUTER CONTINENTAL
SHELF OFFICE
WASHINGTON, D.C. 20545

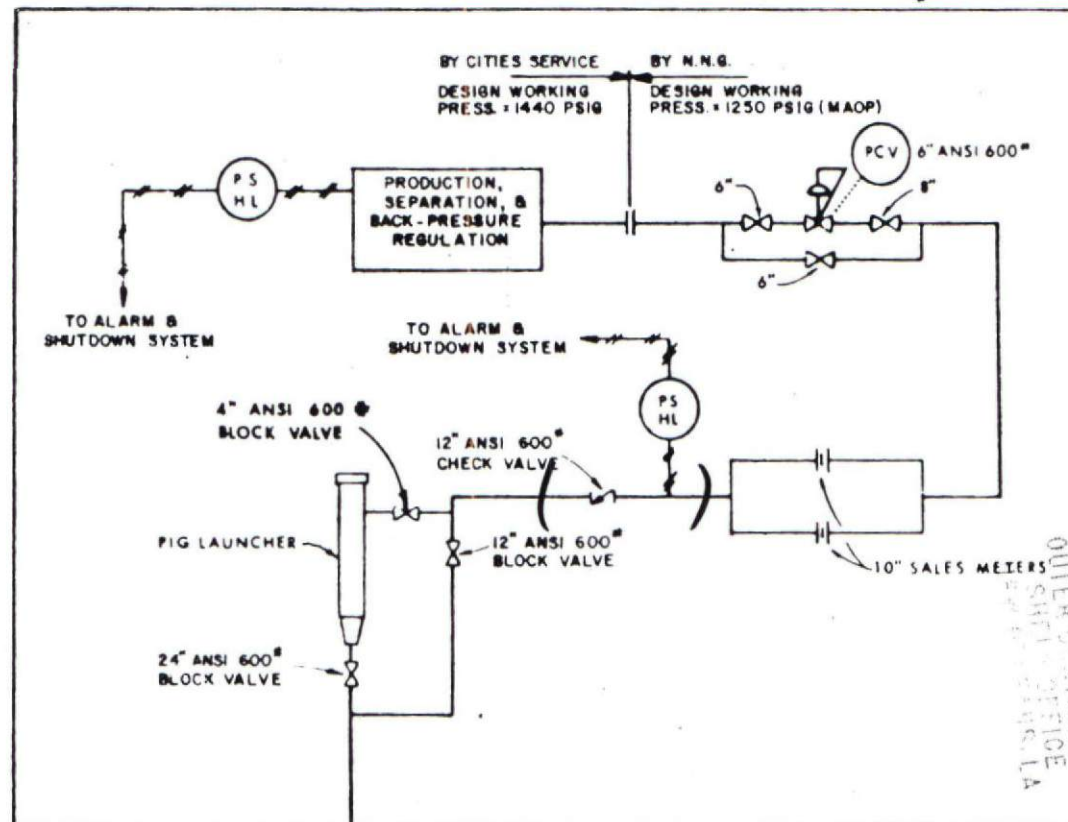
DCS-6 4625



I HEREBY CERTIFY THAT THE DESIGN OF THIS PIPELINE COMPLIES WITH DEPARTMENT OF TRANSPORTATION REGULATION PART 102, TITLE 49, AND THAT THIS MAP ACCURATELY REFLECTS THE CENTERLINE OF THE PROPOSED PIPELINE RIGHT-

NORTHERN NATURAL GAS COMPANY
 DIVISION OF INTERNORTH, INC.
 MATAGORDA ISLAND BLOCK 686
 PROPOSED 24" PIPELINE
 PLAN & PROFILE

OCS-6 4625



CITIES SERVICE MATAGORDA ISLAND BLOCK 888 'A' PLATFORM

NOTES:

1. DESIGN OF ALL PIPELINE FACILITIES COMPLIES WITH CFR PART 192 TITLE 49 TRANSPORT OF NATURAL GAS BY PIPELINE - MINIMUM FEDERAL SAFETY STANDARDS.
2. ONLY THE PIPE, VALVES, FITTINGS, ANODES, ETC. LOCATED IN FEDERAL WATERS ARE SHOWN ON THIS DRAWING



2/2/87 *Lee-Ken Choo*
DATE NUMBER

**NORTHERN NATURAL GAS COMPANY
DIVISION OF INTERNORTH, INC.**

**MATAGORDA ISLAND BLOCK 888
PROPOSED 24" PIPELINE
SCHEMATIC**

RECEIVED
FEB 20 3 34 PM '81
BUREAU OF LAND MANAGEMENT
OUTER DISTRICT OFFICE
SANTA FE, N.M.



United States Department of the Interior

IN REPLY REFER TO

OCS-G 4625

BUREAU OF LAND MANAGEMENT

NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE

HALE BOGGS FEDERAL BUILDING

500 CAMP STREET-SUITE 841

NEW ORLEANS, LA. 70130

Sg 5992
Matagorda Island Area

June 5, 1981

InterNorth, Inc.

Right-of-Way

ACTION: APPLICATION APPROVED

Your application for a right-of-way 200 feet in width for the construction, maintenance, and operation of a 24-inch natural gas pipeline, 5.07 miles in length, from Cities Service Company's Platform "A" in Block 686, Matagorda Island Area, across Block 666, Matagorda Island Area, to a subsea tie-in with Southern Natural Gas Company's existing 24-inch pipeline (OCS-G 4337) in Block 665, Matagorda Island Area, dated January 21, 1981, with its attachments is hereby approved with the following additions and corrections:

1. It is recommended that prior to construction, Shot Point 15.6, Line No. 2, and Shot Points 8.1, 43.9, and 48.8, Line No. 4, be buoyed and avoided when placing lay barge anchors.
2. The ANSI 600 valves should not be subjected to a test-pressure differential greater than 1,440 psig.
3. The ANSI 600 valves, flanges, and fittings should not be subjected to a body test greater than 2,175 psig.

H. P. Sieverding
H. P. Sieverding
Acting Manager

CC: ☒ Geological Survey, USDI
Office of Pipeline Safety Operations, USDT



Save Energy and You Serve America!

JUN 12 1981

OK on PWQ 6-12-81 SHS JR

OCS G 4625

2223 Dodge Street
Omaha, Nebraska 68102
Telephone (402) 633-4000

INTERNORTH

RECEIVED

AUG 6 10 19 AM '84

MINERALS MANAGEMENT SERVICE
GULF OF MEXICO OCS REGION
METAIRIE, LOUISIANA

August 3, 1984
DCL: 120-84

Mr. D. W. Solanas
Regional Supervisor, Rules and Production
U. S. Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Office
P. O. Box 7944
Metairie, LA 70010-7944

Dear Mr. Solanas:

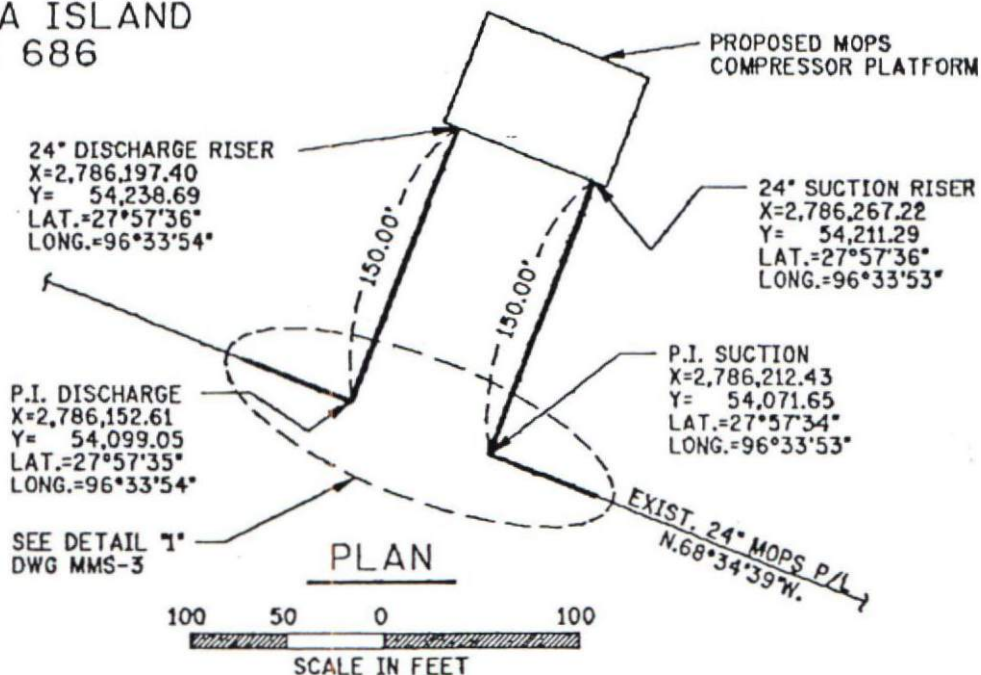
Re: Application - To Amend Permit OCS-G4625
To Modify a 24" Natural Gas Pipeline
In Matagorda Island Area, Gulf of Mexico
Matagorda Island Block 686

Attention: RP2-2

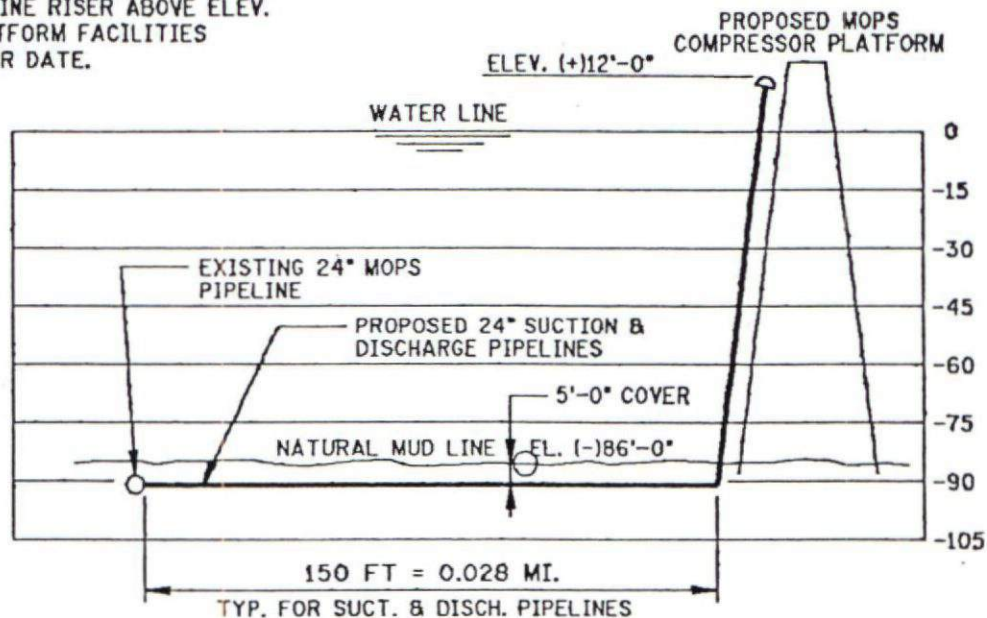
Pursuant to the authority granted in Section 5(e) of the Outer Continental Shelf Lands Act, (67 Sta. 462) (43 USC 1331) as amended (92 Sta. 629), and in compliance with the regulations contained in Title 30 CFR Part 256, Subpart N, Northern Natural Gas Company, Division of InterNorth, Inc., a Delaware Corporation, is filing this application for an amendment to Permit OCS-G4625, in accordance with attached drawings, to modify a 24-inch natural gas pipeline in Block 686, Matagorda Island Area, to create a suction and discharge line to a proposed compressor platform in same block.

This application (and any amendments made hereto) is made with our full knowledge and concurrence with the OCS Lands Act (43 USC 1331, et seq.), as amended, (P.L. 95-372), including the following: Section 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; Section 5(f)(1) addressing operation of pipelines in accordance with competitive principles, including open and nondiscriminatory access to both owner and nonowner shippers; Section 5(f)(2) which may allow exemption of the requirements in Section 5(f)(1); Section 5(e), addressing the assuring of maximum environmental protection, including the safest practices for pipeline installation; and Section 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.

MATAGORDA ISLAND BLOCK 686



NOTE: PERMITTING OF THE PIPELINE RISER ABOVE ELEV. (+)12'-0" AND OF THE PLATFORM FACILITIES WILL BE MADE AT A LATER DATE.



PROFILE

50 25 0 50
HORIZONTAL & VERTICAL SCALE IN FEET

LEGEND

EXISTING PIPELINE
PROPOSED PIPELINE

I HEREBY CERTIFY THAT THE DESIGN OF THIS PIPELINE COMPLIES WITH DEPARTMENT OF TRANSPORTATION REGULATIONS PART 192, TITLE 49, AND THAT THIS MAP ACCURATELY REFLECTS THE CENTERLINE OF THE PROPOSED PIPELINE RIGHT-OF-WAY.

NORTHERN NATURAL GAS CO.
DIVISION OF INTERNORTH, INC.
MATAGORDA ISLAND BLOCK 686
24" MOPS MODIFICATIONS
PLAN & PROFILE
OFFSHORE TEXAS

DRAWN BY: NAVA DATE: 7-23-84 DWG. NO. MMS-2

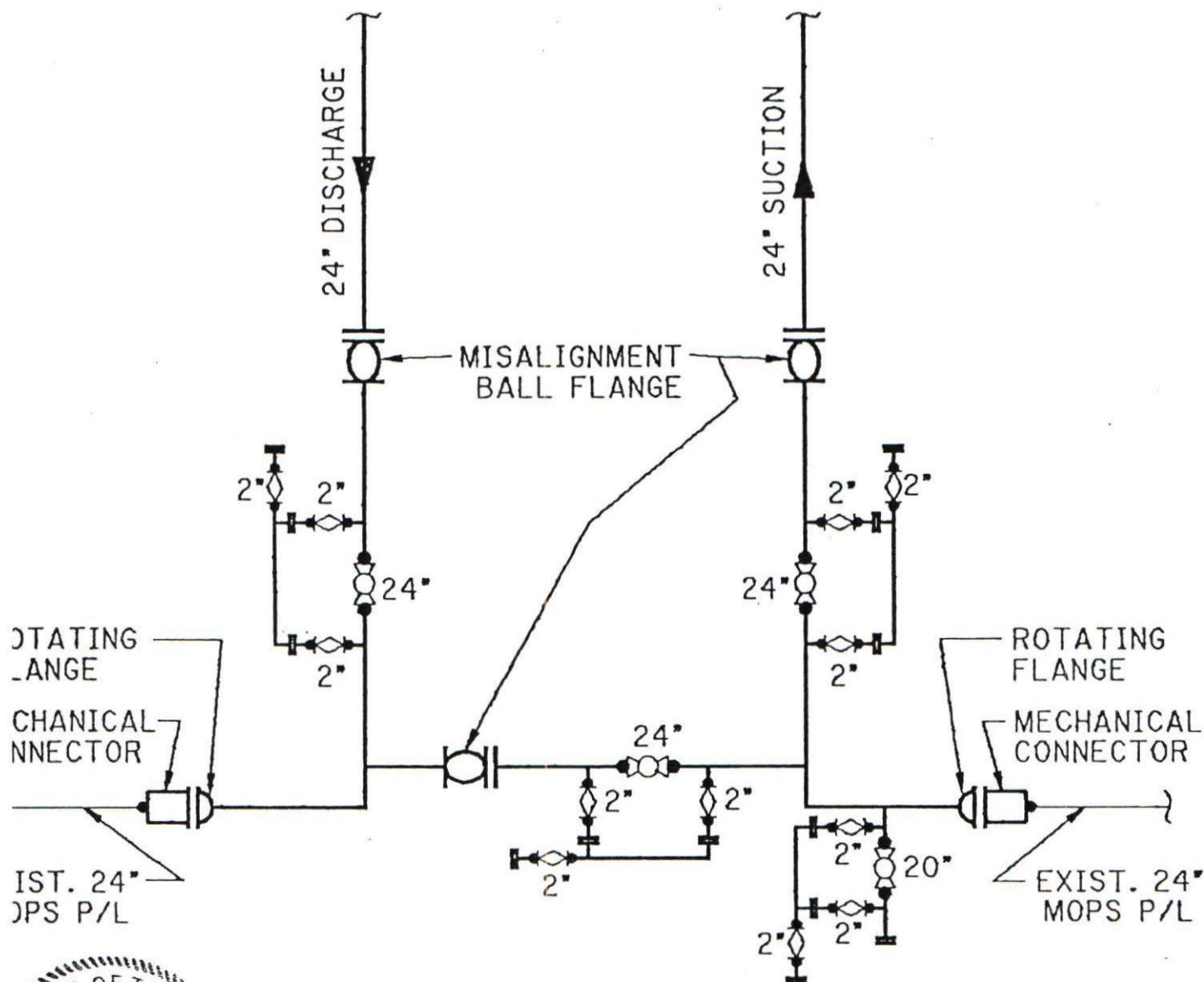


27-84 53431
DATE NUMBER

86.24.C.PER.PLAN&PRFL (DRA 1)
27-84.14:39:34 (RDJ)

005-G 4625

SUCTION & DISCHARGE LINES WILL EACH REQUIRE
ONE (1) 155# SACRIFICIAL ZINC ANODE BRACELET
FOR CATHODIC PROTECTION.



DETAIL "1"

DWG. MMS-2

OCS-G 4625

LEGEND

— EXISTING PIPELINE
— PROPOSED PIPELINE



I HEREBY CERTIFY THAT THE DESIGN OF
THIS PIPELINE COMPLIES WITH DEPARTMENT
OF TRANSPORTATION REGULATIONS PART 192,
TITLE 49, AND THAT THIS MAP ACCURATELY
REFLECTS THE CENTERLINE OF THE PROPOSED
PIPELINE RIGHT-OF-WAY.

NORTHERN NATURAL GAS CO.
DIVISION OF INTERNORTH, INC.
MATAGORDA ISLAND BLOCK 686
24" MOPS MODIFICATIONS
SUBSEA DETAIL
OFFSHORE TEXAS

27-84 53431
DATE NUMBER

96.24.C.PER.DTL.TIE-IN.SUBSEA (DRA 1)
17-84,14:46:00 (RDJ)

DRAWN BY: NAVA DATE: 7-23-84 DWG. NO. MMS-3

INTERNORTH

Mr. D. W. Solanas
August 3, 1984
Page 5

1440 PSIG for ANSI 600# valves and flanges

Due to the fact that the line being modified has a MAOP of 1250 PSIG, this line will have a MAOP of 1250 PSIG.

(2) Hydrostatic Test Pressure

Minimum: $1.50 \times \text{MAOP} = 1.50 \times 1250 = 1875 \text{ PSIG}$

Maximum: $P \times 95\% = 2981 \times .95 = 2831 \text{ PSIG for pipe}$

$1440 \times 1.5 = 2160 \text{ PSIG for ANSI 600#}$
valves and flanges

2160 PSIG governs

Duration: 8 hours

9. The 24" line that is to be modified is 24" O.D. x .406" W.T. Gr. X-60 pipe.

10. Company contact on technical points or other information:

Mr. Glenn McCommon - Telephone: (713) 940-5441
Project Manager
Northern Engineering International Co.
Division of InterNorth, Inc.
P. O. Box 4511
Houston, Texas 77210-4511

InterNorth, Inc., hereby agrees to keep open at all reasonable times for inspection by the Minerals Management Service the area covered by this permit 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.

Certified copies of our Articles of Incorporation, certified copy of a resolution verifying the authority of the person signing the application, and Incumbency Certificate are of record in Metairie Miscellaneous File Number 333 for reference.

SEP 10 1984

In Reply Refer To: RP-2-2
OCS-G 4625

Matagorda Island Area

InterNorth, Inc.

Right-of-Way

ACTION: AMENDED APPLICATION APPROVED

Your amended application for a right-of-way for the construction, maintenance, and operation of 24-inch natural gas suction and discharge pipelines to connect a proposed compressor platform in Block 686, Matagorda Island Area, dated August 3, 1984, with its attachments, is hereby approved.

This Action is hereby made a part of that certain Action dated June 5, 1981.

"Original signed" - J. Rogers Percy



John L. Rankin
Regional Manager

cc: U.S. Fish and Wildlife Service
Southwest Region
Post Office Box 1306
Albuquerque, New Mexico 87103

Department of Transportation
2320 La Branch, Room 2116
Houston, Texas 77004 (w/enclosures)

bcc: P/L OCS-G 4625 (LE)
P/L OCS-G 4625 (RP-2-2)
RM Reading File

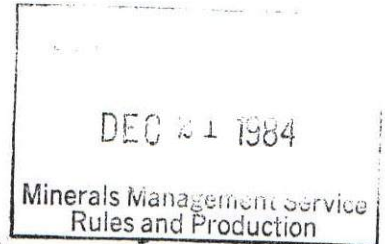
ABritton:lv:9/6/84:Disk 6

218 South 108th Avenue
Post Office Box 3330
Omaha, Nebraska 68103
Telephone (402) 691-2260



December 19, 1984

Mr. D. W. Solanas
Regional Supervisor, Rules and Production
U. S. Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Office
P. O. Box 7944
Metairie, LA 70010-7944



Dear Mr. Solanas:

Re: Application - To Amend Permit OCS-G4625
To modify a 24" Natural Gas Pipeline
in Matagorda Island Area, Gulf of Mexico
Matagorda Island Block 686

Attn: RP 2-2

Pursuant to the authority granted in Section 5(e) of the Outer Continental Shelf Lands Act, (67 Sta. 462) (43 U.S.C. 1331) as amended (92 Sta. 629), and in compliance with the regulations contained in Title 30 CFR Part 256, Subpart N, Northern Natural Gas Company, Division of InterNorth, Inc., a Delaware Corporation, is filing this application for an amendment to Permit OCS-G4625, in accordance with attached drawings, to modify a 24-inch natural gas pipeline in Block 686, Matagorda Island Area, to install a proposed compressor station on the platform in same block and to increase maximum allowable operating pressure (MAOP) of the pipeline on the discharge side of the compressor station to 1350 psig.

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 nonowner 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.

FEB 07 1985

In Reply Refer To: RP-2-2
OCS-G 4625

Matagorda Island Area

InterNorth, Inc.

Right-of-Way

ACTION: AMENDED APPLICATION APPROVED

Your application for a right-of-way for the construction, maintenance, and operation of a compressor station as an appurtenance to InterNorth, Inc.'s existing 24-inch natural gas pipeline in Block 686, Matagorda Island Area, and to increase the maximum allowable operating pressure (MAOP) of the pipeline downstream of the compressor station to 1,350 psig, dated December 19, 1984, with its attachments, is hereby approved subject to the following:

The riser pipe on the discharge side of the compressor station shall be preinstallation pressure tested with water at 1.50 times the proposed 1,350 psig for 4 hours. Three copies of the test results must be submitted to this office 30 days after completion of testing.

This Action is hereby made a part of those Actions dated June 5, 1981, September 10 and October 15, 1984.

(Orig. Sgd.) John L. Rankin

John L. Rankin
Regional Director

cc: U.S. Fish and Wildlife Service
Southwest Region
Post Office Box 1306
Albuquerque, New Mexico 87103

Department of Transportation
2320 La Branch, Room 2116
Houston, Texas 77004 (w/enclosures)

bcc: P/L OCS-G 4625 (LE)
(P/L OCS-G 4625 (RP-2-2))
ORD Reading File
~~LE 5 L. Dauterive~~

ABritton:lv:2/4/85:Disk 6

* Faust

ENRON CORP

P. O. Box 1188 Houston, Texas 77251-1188 (713) 853-6161

June 15, 1989

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



ATTENTION: Carol Williams

REFERENCE: Amendment to Permit OCS-G 4625
24" Natural gas pipeline
Matagorda Island Area - Block 686

Dear Ms. Williams:

In accordance with our telephone conversation of June 12, 1989, please find enclosed documentation in support of Enron Corps application to construct maintain and operate a compressor station as an appurtenance to Enron Corps (formerly InterNorth, Inc.) existing 24-inch pipeline in Block 686, Matagorda Island Area, Gulf of Mexico. The documents, hydrostatic test charts and reports, all relate to the 24" pipeline located immediately downstream of Enron, Corps Compressor Platform located in Block 686 and extending to a tie in point on Southern Natural Gas Company 24" pipeline located in Block 665.

This information we believe will support Enron Corps application to increase the maximum allowable operating pressure (MAOP) of the pipeline on the discharge side of the compressor station to 1350 psig.

Should you have any questions or need further information, please contact me direct at 713/853-6548.

Very truly yours,

ENRON CORP.

Johnny McGee
Manager/Right of Way Department
Western Region

JMc/bc

CC: Ralph Stevens
3564

AS BUILT 24" DISCHARGE LINE

PT.	X	Y
RISER MOPS DIS.	2,786,163.56'	54,244.27'
1	2,786,162.63'	54,173.63'
2 FLANGE	2,786,149.78'	54,099.70'
3	2,786,153.35'	54,079.22'
4 FLANGE	2,786,126.90'	54,078.20'

BLK. 686

TOP OF 24" RISER	TOP OF 24" RISER	TOP OF 16" RISER
BLK. 686-MOPS DIS.	BLK. 686-MOPS SUCT.	BLK. 686-MOPS STR.
X=2,786,163.56' Y=54,244.27'	X=2,786,236.14' Y=54,221.42'	X=2,786,226.44' Y=54,240.04'
Lat. 27°57'36.007" Long. 96°33'53.971"	Lat. 27°57'35.766" Long. 96°33'53.167"	Lat. 27°57'35.952" Long. 96°33'53.271"

AS BUILT MOPS 16" BY-PASS P/L

PT.	X	Y
RISER 686-A-CS	2,788,033.16'	53,368.95'
1	2,787,747.94'	53,488.14'
2	2,787,398.19'	53,641.16'
3 16" & 16" Xing	2,787,139.58'	53,756.54'
4 VALVE	2,787,131.11'	53,759.59'
5	2,786,750.93'	53,894.35'
6 FLANGE	2,786,430.44'	54,040.30'
RISER MOPS STR.	2,786,226.44'	54,240.04'

TOTAL LENGTH = .04 MILES

AS BUILT 24" DISCHARGE P/L

AS BUILT 24" SUCTION P/L

TOTAL LENGTH = .04 MILES

AS BUILT 24" SUCTION LINE

PT.	X	Y
RISER MOPS SUCT.	2,786,236.14'	54,221.42'
1	2,786,213.41'	54,133.32'
2 FLANGE	2,786,223.56'	54,072.04'
3	2,786,215.32'	54,058.32'
4 FLANGE	2,786,266.47'	54,033.45'

See attached page for pts 2+3

RECEIVED

AUG 9 1985

Minerals Management Service
Bureau of Ocean Energy Management

CERTIFIED CORRECT AS TO HORIZONTAL
POSITION OF AS BUILT PIPELINE.

Registered Land Surveyor No. 4335
State of Louisiana
John E. Chance & Associates, Inc.



NORTHERN ENGINEERING INTER.

AS BUILT (2) 24" & 16" P/L'S

BLOCK - 686

MATAGORDA ISLAND AREA

GULF OF MEXICO

SCALE: 1" = 500'

3/21/85

G4625 AS BUILT 24" DISCHARGE LINE

BLK. 686

PT.	X	Y
RISER MOPS DIS.	2,786,163.56'	54,244.27'
1	2,786,162.63'	54,173.63'
2 FLANGE	2,786,149.78'	54,099.70'
3	2,786,153.35'	54,079.22'
4 FLANGE	2,786,126.90'	54,078.20'

TOTAL LENGTH = .04 MILES

AS BUILT 24" DISCHARGE P/L

TOP OF 24" RISER	TOP OF 24" RISER	TOP OF 16" RISER
BLK. 686-MOPS DIS.	BLK. 686-MOPS SUCT.	BLK. 686-MOPS STR.
X=2,786,163.56' Y=54,244.27'	X=2,786,236.14' Y=54,221.42'	X=2,786,226.44' Y=54,240.04'
Lat. 27°57'36.007" Long. 96°33'53.971"	Lat. 27°57'35.766" Long. 96°33'53.167"	Lat. 27°57'35.952" Long. 96°33'53.271"

G13459 AS BUILT MOPS 16" BY-PASS

PT.	X	Y
RISER 686-A-CS	2,788,033.16'	53,368.95'
1	2,787,747.94'	53,488.14'
2	2,787,398.19'	53,641.16'
3 16" & 16" Xing	2,787,139.58'	53,756.54'
4 VALVE	2,787,131.11'	53,759.59'
5	2,786,750.93'	53,894.35'
6 FLANGE	2,786,430.44'	54,040.30'
RISER MOPS STR.	2,786,226.44'	54,240.04'

TOP OF 16" RISER
CITIES SERVICE CO. BLK. 686-A
X=2,788,033.16' Y=53,368.95'
Lat. 27°57'26.957" Long. 96°33'33.334"

Cities Service Co.
O.C.S. - G-3465

G4625 AS BUILT 24" SUCTION LINE

PT.	X	Y
RISER MOPS SUCT.	2,786,236.14'	54,221.42'
1	2,786,213.41'	54,133.32'
2 FLANGE	2,786,223.56'	54,072.04'
3	2,786,215.32'	54,058.32'
4 FLANGE	2,786,266.47'	54,033.45'

TOTAL LENGTH = .04 MILES

AS BUILT 24" SUCTION P/L

AS BUILT MOPS 16" BY-PASS P/L

TOTAL LENGTH = .38 MILES

Y=53,000'

See attached page for pts 2+3

RECEIVED

AUG 9 1985

Minerals Management Service
Risks and Prevention

CERTIFIED CORRECT AS TO HORIZONTAL
POSITION OF AS BUILT PIPELINE.

Shuble J. Tenney, Jr.

Registered Land Surveyor No. 4335
State of Louisiana
John E. Chance & Associates, Inc.



NORTHERN ENGINEERING INTER.

AS BUILT (2) 24" & 16" P/L'S

BLOCK - 686

MATAGORDA ISLAND AREA

GULF OF MEXICO

SCALE: 1" = 500'

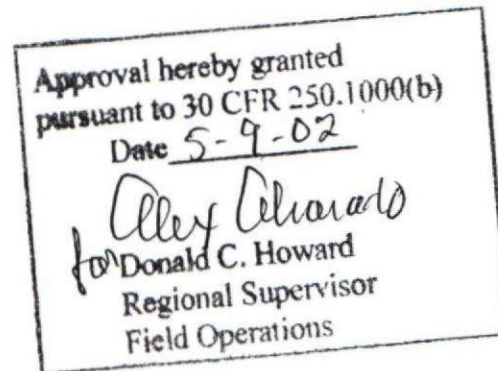
3 / 21 / 85

SD
SN 8780

Northern Natural Gas Company
P.O. Box 3330
Omaha, NE 68103-0330
402-398-7200

March 11, 2002

Mr. Alex Alvarado
U.S. Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Region
1201 Elmwood Park Blvd.
New Orleans, Louisiana 70133-2394



RE: MS54212- OCS-G-4625

In accordance with Title 30, Part 250, Subpart J, Pipelines and Pipeline Right of Way Regulations, Northern Natural Gas Company ("Northern") hereby requests approval to make modifications to its compressor platform and facilities located in Block 686, Matagorda Island Area, Gulf of Mexico which were originally approved and installed as an appurtenance to Northern's 24-inch natural gas pipeline under Minerals Management Service Permit OCS-G-4625 in 1985. Such modification will include the removal of the compressors from the platform together with certain piping modifications.

In support of Northern's application we have enclosed in quadruplicate the following:

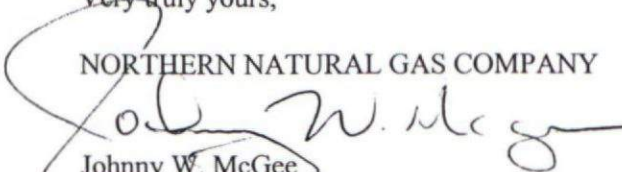
- 1) Purpose of the modifications
- 2) List of materials to be removed
- 3) Schematic drawing of the platform showing the layout of piping and facilities, which will remain after removal of the compressor station.

We are respectfully requesting that the MMS favorably approve Northern's application for platform modifications and compressor removal.

Should you have any questions, please contact me direct at (713) 345-1599. Please address all written correspondence to the attention of the undersigned at Northern Natural Gas; P.O. Box 1188; Houston, Texas 77251-1188. Thank you in advance for your continued excellent cooperation.

Very truly yours,

NORTHERN NATURAL GAS COMPANY


Johnny W. McGee
Agent & Attorney in Fact

cc: Mr. Kassim Kassim
Minerals Management Service
Gulf of Mexico OCS Region
102 Oak Park Drive
Clute, Texas 77531
NNG File TOS-83801



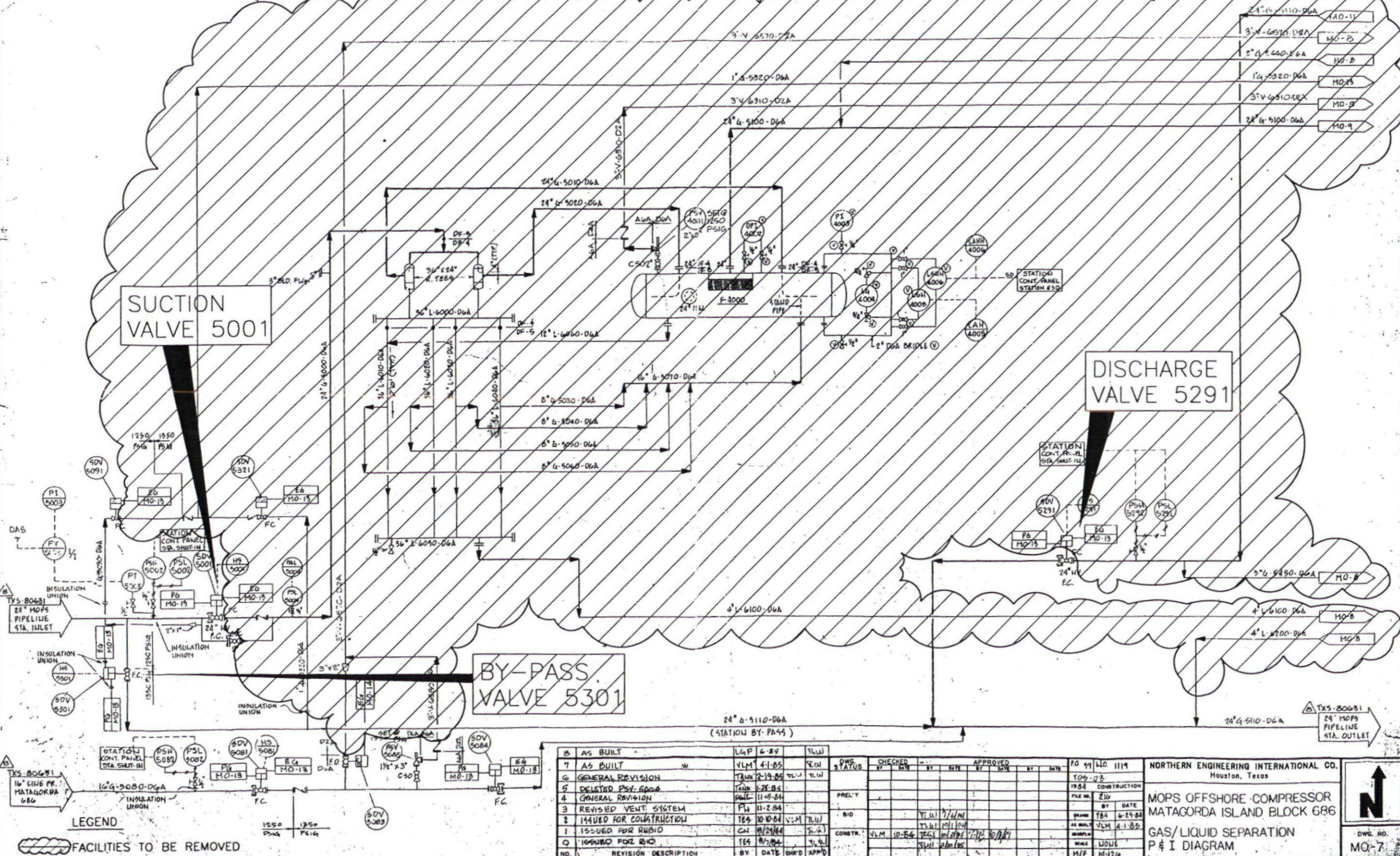
TO BE REMOVED

F-9000
GAS / LIQUID SEPARATOR
60" ID x 18'-5" HGT
DESIGN: 1250 PSIG @ 150°F

SUCTION VALVE 5001

DISCHARGE VALVE 5291

BY-PASS VALVE 5301



NO.	REVISION DESCRIPTION	BY	DATE	CHKD	APPRD
8	AS BUILT		6-88	TLW	
7	AS BUILT	W	4-1-85	TLW	
6	GENERAL REVISION		TANK 2-19-85	TLW	
5	DELETED PSV 5008		TANK 2-28-85		
4	GENERAL REVISION		PAUL 11-15-84		
3	REVISED VENT SYSTEM		FL 11-2-84		
2	MAILED FOR CONSTRUCTION		TEG 10-10-84	YLM	TLW
1	ISSUED FOR REBID		CN 8/24/84	S-2	
0	ISSUED FOR BID		TEG 8/7/84	YLM	TLW

NORTHERN ENGINEERING INTERNATIONAL CO.
Houston, Texas

MOPS OFFSHORE COMPRESSOR
MATAGORDA ISLAND BLOCK 686

GAS / LIQUID SEPARATION
P & I DIAGRAM

DWG. NO.
MO-7

MMS - [Pipeline Master Form - (PIPPLED)]

Action Pipelines Navigate Edit Block Record Field Query IIMS Main Menu Window Help

UNCLASSIFIED

PPL Masters Histories Departures Company Inspections Asbuilts Appurtenances

PPL Masters

Segment Number 14672

ROW Number G25403 Edit ROW

ROW Segment Status PEND

ROW Permittee Name EOG Resources, Inc.

ROW Permittee Code 01103

Operator Name EOG Resources, Inc.

Operator Code 01103

Approval Code R

Approval Authority I

Status Code PROP

Size Code 08

Product Code G/C

Oil/Condensate API 45.4 Calculate S.G/API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 9,844

Fed + State Offshore Length 9,844

Onshore State Length

Minimum Water Depth 96

Maximum Water Depth 96

Burial Designator Flag

--- Origin ---

ID Name Plat "C"

Lease Number G04548

Area Code MI

Block Number 685

Protraction Number TX4

Complex/Structure

--- Destination ---

ID Name 24" SSTI

Lease Number G03465

Area Code MI

Block Number 686

Protraction Number

Complex/Structure

Design Type BRACELET

Anode Composition GALVNI

Cathodic Life Time 90

☐ Digitized Data

☐ Bidirectional

☐ Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No. 6009

Subsea Tie-in MAOP 1,250

Assigned MAOP 1,250

Last Updated By LANICANT

Pipeline Approval Date

ROW Effective Date

Initial HTP Date

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 05/04/2004

Snapshot Tracking and Contacts Repairs Platforms Technical Data Log In Lease Summary MMS Inspections

SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)

Record: 1/1 <OSC> <DBG>

NN

RYAN CHOUETTE

402-398-7325

MMS - [Pipeline Master Form - (PIPPLEDT)]			
Action Pipelines Navigate Edit Block Record Field Query TIMS Main Menu Window Help			
UNCLASSIFIED			
PPL Masters	Histories	Departures	Company Inspections
Asbuilts			
Appurtenances			
PPL Masters			
Segment Number	6009	--- Origin ---	
ROW Number	C04624	ID Name	
ROW Segment Status	ACT	Lease Number	
ROW Permittee Name	Northern Natural Gas Compar	Area Code	
ROW Permittee Code	01588	Block Number	
Operator Name	Northern Natural Gas Compar	Protraction Number	
Operator Code	01588	Complex/Structure	
Approval Code	R	ID Name	
Approval Authority	T	Lease Number	
Status Code	ACT	Area Code	
Size Code	24	Block Number	
Product Code	GAS	Protraction Number	
Oil/Condensate API		Complex/Structure	
H2S Concentration (ppm)		Design Type	
Alt. Product Code		Anode Composition	
Federal Segment Length	88,830	Cathodic Life Time	
Fed + State Offshore Length	88,830	Digitized Data	
Onshore State Length		Bidirectional	
Minimum Water Depth	90	Old Pipe	
Maximum Water Depth	152	Surface Tie-in Seg No.	
Burial Designator Flag	Y	Surface Tie-in MAOP	
		Subsea Tie-in Seg No.	
		Subsea Tie-in MAOP	
		Assigned MAOP	
		Last Updated By	
		Pipeline Approval Date	
		ROW Effective Date	
		Initial HTP Date	
		Recent HTP Date	
		Out of Service Date	
		Flush/Fill Date	
		Temp. Cess of Ops. Date	
		ROW Relinquishment Date	
		Abandonment Approval Date	
		Abandonment Date	
		Abandonment Type	
		Date Updated	
Snapshot Tracking and Contacts Repairs Platforms Technical Data Log In Lease Summary MMS Inspections			

SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)
Record: 1/1 <OSC> <DBG>

MMS - [Pipeline Master Form - (PIPPLED1)]

Action Pipelines Navigate Edit Block Record Field Query TMS Main Menu Window Help

UNCLASSIFIED

PPL Masters Histories Departures Company Inspections Asbuilts Appurtenances

PPL Masters

Segment Number 5992

ROW Number G04625 Edit ROW

ROW Segment Status ACT

ROW Permittee Name Northern Natural Gas Compar

ROW Permittee Code 01588

Operator Name Northern Natural Gas Compar

Operator Code 01588

Approval Code R

Approval Authority T

Status Code ACT

Size Code 24

Product Code GAS

Oil/Condensate API Calculate S.G/API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 2,038

Fed + State Offshore Length 2,038

Onshore State Length

Minimum Water Depth 0

Maximum Water Depth 0

Burial Designator Flag Y

--- Origin ---

ID Name A

Lease Number G03465

Area Code 001

Block Number 686

Protraction Number

Complex/Structure

--- Destination ---

ID Name CP

Lease Number G03465

Area Code 001

Block Number 686

Protraction Number

Complex/Structure

Design Type

Anode Composition

Cathodic Life Time 0

Digitized Data

Bidirectional

Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No.

Subsea Tie-in MAOP 0

Assigned MAOP 1,250

Last Updated By TIMSTABS

Pipeline Approval Date 06/05/1981

ROW Effective Date 06/05/1981

Initial HTP Date 09/03/1981

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 08/22/1994

Snapshot Tracking and Contacts Repairs Platforms Technical Data Log In Lease Summary MMS Inspections

SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)

Record: 1/1 <OSC> <DBG>

UNCLASSIFIED

PPL Masters

Histories

Departures

Company Inspections

Asbuilts

Appurtenances

PPL Masters

Segment Number 8780

ROW Number G04625

Edit ROW

ROW Segment Status ACT

ROW Permittee Name Northern Natural Gas Compar

ROW Permittee Code 01588

Operator Name Northern Natural Gas Compar

Operator Code 01588

Approval Code R

Approval Authority T

Status Code ACT

Size Code 24

Product Code GAS

Oil/Condensate API

Calculate S.G/API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 24,784

Fed + State Offshore Length 24,784

Onshore State Length

Minimum Water Depth 0

Maximum Water Depth 0

Burial Designator Flag Y

--- Origin ---

ID Name CP

Lease Number G03465

Area Code MI

Block Number 686

Protraction Number

Complex/Structure

--- Destination ---

ID Name 24 SSTI

Lease Number G03464

Area Code MI

Block Number 665

Protraction Number

Complex/Structure

Design Type

Anode Composition

Cathodic Life Time 0

☐ Digitized Data☐ Bidirectional☐ Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No. 5853

Subsea Tie-in MAOP 1,440

Assigned MAOP 1,350

Last Updated By TIMSTAB5

Pipeline Approval Date 06/05/1981

ROW Effective Date 06/05/1981

Initial HTP Date 09/03/1981

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 08/29/1994

Snapshot

Tracking and Contacts

Repairs

Platforms

Technical Data

Log In

Lease Summary

MMS Inspections

SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)

Record: 1/1 <OSC> <DBG>

MMS - [Pipeline Master Form - (PIPPLED)]

Action Pipelines Navigate Edit Block Record Field Query IIMS Main Menu Window Help

UNCLASSIFIED

PPL Masters Histories Departures Company Inspections Asbuilts Appurtenances

PPL Masters

Segment Number 5853

ROW Number G04337 Edit ROW

ROW Segment Status ACT

ROW Permittee Name Northern Natural Gas Compar

ROW Permittee Code 01588

Operator Name Northern Natural Gas Compar

Operator Code 01588

Approval Code R

Approval Authority T

Status Code ACT

Size Code 24

Product Code GAS

Oil/Condensate API Calculate S.G/API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 14,275

Fed + State Offshore Length 95,364

Onshore State Length

Minimum Water Depth 0

Maximum Water Depth 0

Burial Designator Flag Y

--- Origin ---

ID Name X,YCOORD

Lease Number G03464

Area Code 011

Block Number 665

Protraction Number

Complex/Structure

--- Destination ---

ID Name F/S

Lease Number UNLEASE

Area Code 011

Block Number 658

Protraction Number

Complex/Structure

Design Type

Anode Composition

Cathodic Life Time 0

☐ Digitized Data

☐ Bidirectional

☐ Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No.

Subsea Tie-in MAOP 0

Assigned MAOP 1,440

Last Updated By TIMSTABS

Pipeline Approval Date 07/23/1980

ROW Effective Date 07/23/1980

Initial HTP Date 10/11/1980

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 06/25/1997

Snapshot Tracking and Contacts Repairs Platforms Technical Data Log In Lease Summary MMS Inspections

SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)

Record: 1/1 <OSC> <DBG>

MMS - [Pipeline Master Form - (PIPPLED1)]

Action Pipelines Navigate Edit Block Record Field Query TIMS Main Menu Window Help

UNCLASSIFIED

PPL Masters Histories Departures Company Inspections Asbuilts Appurtenances

PPL Masters

Segment Number 8692

ROW Number G11152 Edit ROW

ROW Segment Status ACT

ROW Permittee Name Southern Natural Gas Compar

ROW Permittee Code 00010

Operator Name Southern Natural Gas Compar

Operator Code 00010

Approval Code R

Approval Authority T

Status Code ACT

Size Code 10

Product Code GAS Calculate S.G/API

Oil/Condensate API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 52, 812

Fed + State Offshore Length 52, 812

Onshore State Length

Minimum Water Depth 76

Maximum Water Depth 77

Burial Designator Flag Y

--- Origin ---

ID Name A

Lease Number C04704

Area Code PCI

Block Number 696

Protraction Number

Complex/Structure

--- Destination ---

ID Name 24 SSTI

Lease Number C03464

Area Code PCI

Block Number 665

Protraction Number

Complex/Structure

Design Type BRCELET

Anode Composition GALIII

Cathodic Life Time 92

Digitized Data

Bidirectional

Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No. 5853

Subsea Tie-in MAOP 1,440

Assigned MAOP 1,440

Last Updated By TIMSTABS

Pipeline Approval Date 07/03/1989

ROW Effective Date 07/03/1989

Initial HTP Date 08/29/1989

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 08/29/1994

Snapshot Tracking and Contacts Repairs Platforms Technical Data Log In Lease Summary MMS Inspections

SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)

Record: 1/1 <OSC> <DBG>

UNCLASSIFIED

PPL Masters

Histories

Departures

Company Inspections

Asbuilts

Appurtenances

PPL Masters

Segment Number 14709

ROW Number G25411

Edit ROW

ROW Segment Status PEND

ROW Permittee Name Walter Oil & Gas Corporatic

ROW Permittee Code 00730

Operator Name Walter Oil & Gas Corporatic

Operator Code 00730

Approval Code R

Approval Authority I

Status Code PROP

Size Code 04

Product Code G/C

Oil/Condensate API 86.2

Calculate S.G/API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 14,895

Fed + State Offshore Length 51,471

Onshore State Length

Minimum Water Depth 44

Maximum Water Depth 79

Burial Designator Flag Y

--- Origin ---

ID Name WELL# 1

Lease Number

Area Code MI

Block Number 8865

Protraction Number

Complex/Structure

--- Destination ---

ID Name 10" seti

Lease Number C04704

Area Code MI

Block Number 696

Protraction Number

Complex/Structure

Design Type BRACELET

Anode Composition GALIII

Cathodic Life Time 49

☐ Digitized Data☐ Bidirectional☐ Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No. 8692

Subsea Tie-in MAOP 1,440

Assigned MAOP 1,440

Last Updated By SURESTON

Pipeline Approval Date

ROW Effective Date

Initial HTP Date

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 05/07/2004

Snapshot

Tracking and Contacts

Repairs

Platforms

Technical Data

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MMS Inspections

SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)

Record: 1/1 <OSC> <DBG>

UNCLASSIFIED

PPL Masters

Histories

Departures

Company Inspections

Asbuilts

Appurtenances

PPL Masters

Segment Number 14303

ROW Number G25293

Edit ROW

ROW Segment Status ACT

ROW Permittee Name LLOG Exploration Offshore,

ROW Permittee Code 02058

Operator Name LLOG Exploration Offshore,

Operator Code 02058

Approval Code R

Approval Authority I

Status Code ACT

Size Code 08

Product Code BLKG

Oil/Condensate API 46

Calculate S.G/API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 17,411

Fed + State Offshore Length 62,401

Onshore State Length 44990

Minimum Water Depth 41

Maximum Water Depth 76

Burial Designator Flag Y

--- Origin ---

ID Name F/S BOUNDARY

Lease Number

Area Code

Block Number 695

Protraction Number TX4

Complex/Structure

--- Destination ---

ID Name 10" SSTI

Lease Number C04704

Area Code

Block Number 696

Protraction Number

Complex/Structure

Design Type BRACELET

Anode Composition GALIII

Cathodic Life Time 27

☐ Digitized Data☐ Bidirectional☐ Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No. 8692

Subsea Tie-in MAOP 1,440

Assigned MAOP 1,440

Last Updated By JOHNSBY

Pipeline Approval Date 09/08/2003

ROW Effective Date 09/08/2003

Initial HTP Date 10/05/2003

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 03/16/2004

Snapshot

Tracking and Contacts

Repairs

Platforms

Technical Data

Log In

Lease Summary

MMS Inspections

SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)

Record: 1/1 <OSC> <DBG>

MMS - [Pipeline Master Form - (PIPPLEDT)]

Action Pipelines Navigate Edit Block Record Field Query TIMS Main Menu Window Help

UNCLASSIFIED

PPL Masters Histories Departures Company Inspections Asbuilts Appurtenances

PPL Masters

Segment Number 7059

ROW Number G13459 Edit ROW

ROW Segment Status ACT

ROW Permittee Name Northern Natural Gas Compar

ROW Permittee Code 01588

Operator Name Northern Natural Gas Compar

Operator Code 01588

Approval Code R

Approval Authority T

Status Code ACT

Size Code 16

Product Code GAS Calculate S.G./API

Oil/Condensate API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 2,006

Fed + State Offshore Length 2,006

Onshore State Length

Minimum Water Depth 0

Maximum Water Depth 90

Burial Designator Flag Y

--- Origin ---

ID Name A

Lease Number G03465

Area Code MI

Block Number 686

Protraction Number

Complex/Structure

--- Destination ---

ID Name CP

Lease Number G03465

Area Code MI

Block Number 686

Protraction Number

Complex/Structure

Design Type

Anode Composition

Cathodic Life Time 0

☐ Digitized Data

☐ Bidirectional

☐ Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No.

Subsea Tie-in MAOP 0

Assigned MAOP 1,250

Last Updated By TIMSTABS

Pipeline Approval Date 05/11/1984

ROW Effective Date 04/29/1992

Initial HTP Date 01/04/1985

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 08/24/1994

Snapshot Tracking and Contacts Repairs Platforms Technical Data Log In Lease Summary MMS Inspections

SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)

Record: 1/1 <OSC> <DBG>

MMS - [Pipeline Master Form - (PIPPLEDT)]

Action Pipelines Navigate Edit Block Record Field Query IIMS Main Menu Window Help

UNCLASSIFIED

PPL Masters Histories Departures Company Inspections Asbuilts Appurtenances

PPL Masters

Segment Number 7922

ROW Number C00535 Edit ROW

ROW Segment Status ACT

ROW Permittee Name Apache Gathering Company

ROW Permittee Code 01762

Operator Name Apache Corporation

Operator Code 00105

Approval Code R

Approval Authority I

Status Code ACT

Size Code 14

Product Code G/C

Oil/Condensate API Calculate S.G/API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 76, 014

Fed + State Offshore Length 76, 014

Onshore State Length

Minimum Water Depth 133

Maximum Water Depth 90

Burial Designator Flag Y

--- Origin ---

ID Name JA

Lease Number C04703

Area Code MI

Block Number 681

Protraction Number

Complex/Structure

--- Destination ---

ID Name 24 SSTI

Lease Number C03465

Area Code MI

Block Number 686

Protraction Number

Complex/Structure

Design Type

Anode Composition

Cathodic Life Time 19

☐ Digitized Data

☐ Bidirectional

☐ Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No. 5992

Subsea Tie-in MAOP 1, 250

Assigned MAOP 1, 250

Last Updated By TIMSTABS

Pipeline Approval Date 10/02/1986

ROW Effective Date 10/02/1986

Initial HTP Date 11/06/1986

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 05/02/2001

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SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)

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Segment Number
6522

ROW Number
C05144
Edit ROW

ROW Segment Status
ACT

ROW Permittee Name
Apache Corporation

ROW Permittee Code
00105

Operator Name
Northern Natural Gas Compar

Operator Code
01588

Approval Code
R

Approval Authority
T

Status Code
ACT

Size Code
16

Product Code
GAS

Oil/Condensate API
Calculate S.G/API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length
50, 147

Fed + State Offshore Length

Onshore State Length

Minimum Water Depth
100

Maximum Water Depth
135

Burial Designator Flag
Y

Origin

ID Name
A

Lease Number
C03733

Area Code
DCI

Block Number
703

Protraction Number

Complex/Structure

Destination

ID Name
24 SSTI

Lease Number
C03465

Area Code
DCI

Block Number
686

Protraction Number

Complex/Structure

Design Type

Anode Composition

Cathodic Life Time
0

Digitized Data

Bidirectional

Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP
0

Subsea Tie-in Seg No.
5992

Subsea Tie-in MAOP
1, 250

Assigned MAOP
1, 250

Last Updated By
MARSHALLC

Pipeline Approval Date
03/24/1983

ROW Effective Date
03/24/1983

Initial HTP Date
10/31/1984

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated
08/22/2003

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<OSC> <DBG>

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PPL Masters

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Segment Number 8288

ROW Number C09355

Edit ROW

ROW Segment Status ACT

ROW Permittee Name GOM Shelf LLC

ROW Permittee Code 02451

Operator Name GOM Shelf LLC

Operator Code 02451

Approval Code R

Approval Authority I

Status Code OUT

Size Code 12

Product Code GAS

Oil/Condensate API

Calculate S.G./API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 46,036

Fed + State Offshore Length 46,036

Onshore State Length

Minimum Water Depth 88

Maximum Water Depth 97

Burial Designator Flag Y

--- Origin ---

ID Name A

Lease Number C04065

Area Code MI

Block Number 669

Protraction Number

Complex/Structure

--- Destination ---

ID Name A

Lease Number C03465

Area Code MI

Block Number 686

Protraction Number

Complex/Structure

Design Type

Anode Composition

Cathodic Life Time 20

☐ Digitized Data☐ Bidirectional☐ Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No.

Subsea Tie-in MAOP 0

Assigned MAOP 1,440

Last Updated By TIMSTABS

Pipeline Approval Date 04/13/1988

ROW Effective Date 04/13/1988

Initial HTP Date 05/26/1988

Recent HTP Date

Out of Service Date 04/11/2000

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 11/07/2000

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SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)

Record: 1/1 <OSC> <DBG>

MMS - [Pipeline Master Form - (PIPPLEDY)]

Action Pipelines Navigate Edit Block Record Field Query TIMS Main Menu Window Help

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PPL Masters Histories Departures Company Inspections Asbuilts Appurtenances

PPL Masters

Segment Number 8122

ROW Number Edit ROW

ROW Segment Status

ROW Permittee Name

ROW Permittee Code

Operator Name GOM Shelf LLC

Operator Code 02451

Approval Code L

Approval Authority T

Status Code ACT

Size Code 08

Product Code G/C

Oil/Condensate API Calculate S.G/API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 11,292

Fed + State Offshore Length 11,292

Onshore State Length

Minimum Water Depth 0

Maximum Water Depth 95

Burial Designator Flag Y

--- Origin ---

ID Name B

Lease Number C04548

Area Code MI

Block Number 605

Protraction Number

Complex/Structure

--- Destination ---

ID Name A

Lease Number C03465

Area Code MI

Block Number 606

Protraction Number

Complex/Structure

Design Type

Anode Composition

Cathodic Life Time 51

☐ Digitized Data

☐ Bidirectional

☐ Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No.

Subsea Tie-in MAOP 0

Assigned MAOP 1,440

Last Updated By MARSIALC

Pipeline Approval Date 07/02/1987

ROW Effective Date

Initial HTP Date 07/23/1987

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 09/05/2002

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SEGMENT NUMBER - SEGMENT_NUM (LIST OF VALUES AVAILABLE)

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PPL Masters

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Segment Number 8438

ROW Number C10099

Edit ROW

ROW Segment Status ACT

ROW Permittee Name Energy Resource Technology,

ROW Permittee Code 01764

Operator Name Walter Oil & Gas Corporatic

Operator Code 00730

Approval Code R

Approval Authority I

Status Code ACT

Size Code 06

Product Code G/C

Oil/Condensate API

Calculate S.G/API

H2S Concentration (ppm)

Alt. Product Code

Federal Segment Length 18,454

Fed + State Offshore Length 18,454

Onshore State Length

Minimum Water Depth 0

Maximum Water Depth 96

Burial Designator Flag Y

--- Origin ---

ID Name A

Lease Number C06055

Area Code MI

Block Number 699

Protraction Number TX4

Complex/Structure 10316

--- Destination ---

ID Name 24 SSTI

Lease Number C03465

Area Code MI

Block Number 686

Protraction Number

Complex/Structure

Design Type

Anode Composition

Cathodic Life Time 43

☐ Digitized Data☐ Bidirectional☐ Old Pipe

Surface Tie-in Seg No.

Surface Tie-in MAOP 0

Subsea Tie-in Seg No. 8780

Subsea Tie-in MAOP 1,350

Assigned MAOP 1,250

Last Updated By ALVARADA

Pipeline Approval Date 09/07/1988

ROW Effective Date 09/07/1988

Initial HTP Date 11/11/1988

Recent HTP Date

Out of Service Date

Flush/Fill Date

Temp. Cess of Ops. Date

ROW Relinquishment Date

Abandonment Approval Date

Abandonment Date

Abandonment Type

Date Updated 01/22/2004

Snapshot

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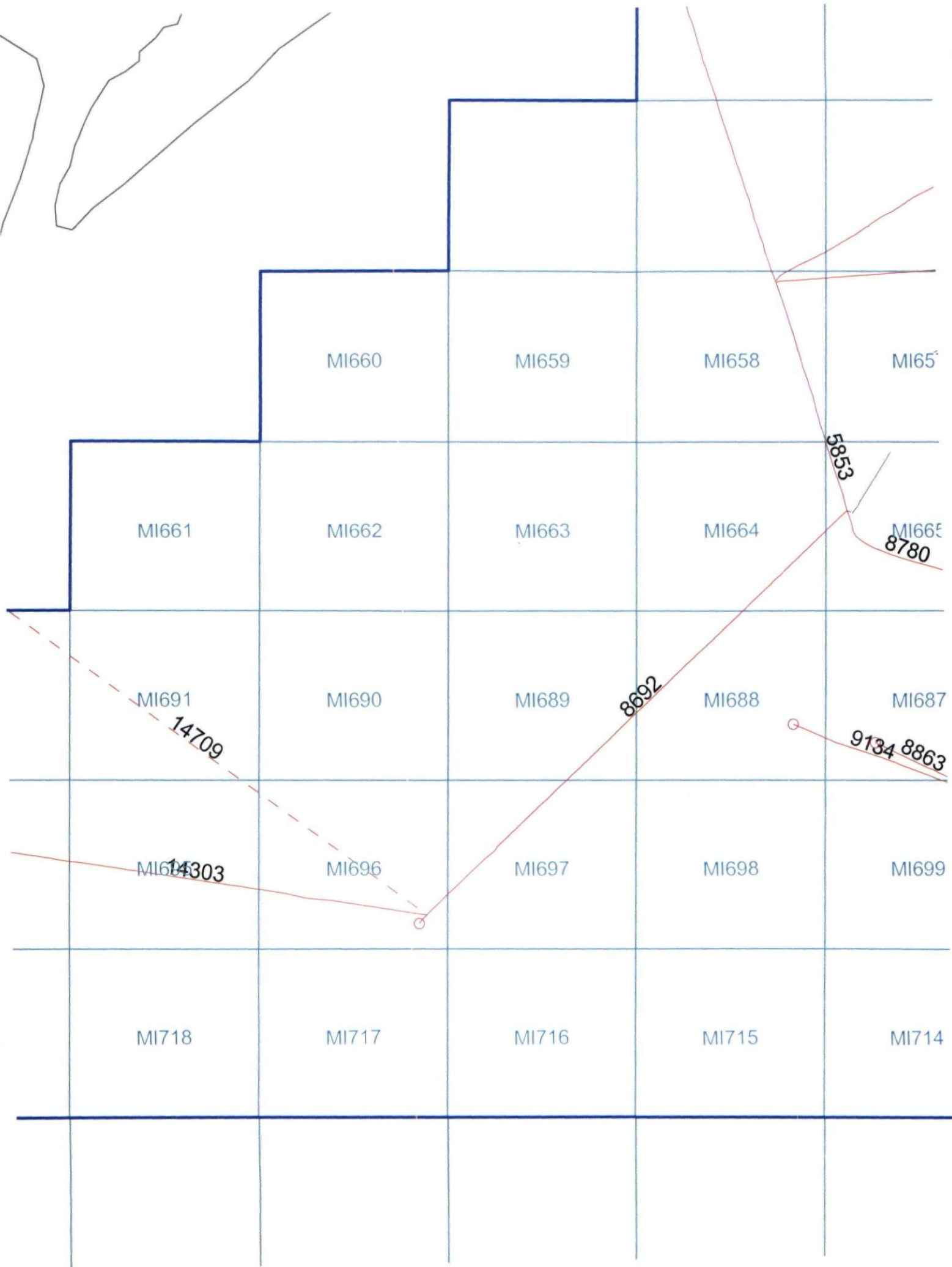
Lease Summary

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Record: 1/1

<OSC> <DBG>



MI666

8780

C-CMP

5992

6522

7059

82

8438

6009

MI686

14672

