SP8134

In Reply Refer To: MS 5421
OCS-G 8944

May 9, 1991

ACTION

General Atlantic Resources, Inc. Right-of-way

RELINQUISHMENT OF RIGHT-OF-WAY GRANT
ABANDONMENT OF PIPELINE

On July 1, 1987, Walter Oil & Gas Corporation filed an application for a right-of-way two hundred feet (200') in width for the construction, maintenance and operation of a 4 1/2-inch O.D. natural gas and condensate pipeline, 0.55 miles in length, from Walter Oil & Gas Corporation's Well A-1 in Block 56, Main Pass Area, to Total Petroleum Inc.'s existing pipeline (OCS-G 7547) in Block 55, Main Pass Area. By Action dated August 18, 1987, the application was approved and the right-of-way granted. Proof of construction was subsequently accepted on November 23, 1987.

By Action dated July 5, 1990, Walter Oil & Gas Corporation assigned all of its 100% right, title and interest unto General Atlantic Resources, Inc., effective September 1, 1988.

On February 11, 1991, General Atlantic Resources, Inc. requested permission to relinquish the right-of-way in its entirety. Additionally grantee requested approval to abandon in place the above described pipeline.

Inasmuch as grantee has indicated that the pipeline will be abandoned in place in accordance with 30 CFR 250, Subpart J, removal of the 0.55 miles of line pipe is hereby waived.

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 OCS, General Atlantic Resources, Inc. shall be required to remove it. Additionally, you must notify this office in writing within 30 days after the completion of the pipeline abandonment.

OR mrf 6/4/91 KR

SP 8134

Therefore, the pipeline right-of-way grant is relinquished effective as of February 11, 1991, the date the request for relinquishment was filed in this office.

(Orig. Sgd.) J. ROGERS PEARCY

J. Rogers Pearcy
Regional Director

cc: Case File

MHHolmes/

United States Department of the Interior

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

In Reply Refer To: MS 5421
OCS-G 8944

May 9, 1991

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J. Rogers Pearcy
Regional Director

cc: Case File

Proof of Construction Accepted 11/23/87

Form 4-1181 (July 1951)

BILLING INDEX

BILLING DATE

Bond ..... Fund symbol (Acq. lands only) ..... Serial No. OCS-G 8944

No bond ..... Expiration date ..... Type P/L R/W

Effective date lease issued, assignment, or rental on structure	Units (Acres, miles, etc.)	Total rental rate	County distribution of total rental rate	County distribution (County name)
8/18/87	0.55 Mi.	$15.00	$15.00	Blocks, 56, 55, Main Pass Area
Relinquished FEB 1-1 1991				

BILLS ISSUED

Year of lease	Date issued	Year of lease	Date issued
1987	8/18/87	6th	
2d	12/1/87 pd.	7th	
3d	12/1/88 pd.	8th	
4th	12/1/89 pd.	9th	
5th	12/1/90 pd.	10th	

	Name	Address
Principal	~~Walter Oil & Gas Corporation~~	~~240 The Main Building~~
	General Atlantic Resources, Inc.	~~1212 Main Street, Suite 240 Houston, Texas 77002~~
Assignee of undivided interest		410 17th Street, Suite 1400 Denver, Colorado 80202
Operator		

8944 ~~Walter Oil & Gas Corporation~~ General Atlantic Resources, Inc.

GENERAL
ATLANTIC

RESOURCES, INC.

January 31, 1991

United States Department of the Interior
Mr. D. J. Bourgeois/Carol Williams
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394

RE: General Atlantic Resources, Inc.
OCS-G-8944 Pipeline R-O-W
Main Pass Block 55 and 56
Abandonment in Place

Dear Mr. Bourgeois:

General Atlantic Resources, Inc., as Operator of OCS-G 4906 LSE, Main Pass Block 56 Field and the subject pipeline respectfully requests approval to release right-of-way and abandon this 4" pipeline in place, in accordance with 30 CFR 250 subpart J. Attached are three (3) asbuilt drawings of the pipeline.

Please note that the pipeline was purchased by General Atlantic Resources, Inc., from Walter Oil & Gas Corporation on September 1, 1988.

The line will be filled with inhibited seawater and cut +15' from the riser and capped with a plummer's plug on each end approximately 3' BML. It is proposed to perform the required work in early spring of 1991.

Thank you for your consideration in this matter and if any additional information is required, please advise.

Sincerely,

GENERAL ATLANTIC RESOURCES, INC.

Sam D. Winegrad
Vice President of Land

SDW/bh
mms.t

ACCEPTED
Regional Director
Effective Date FEB 11 1991

BEST AVAILABLE COPY

12-10-90

To: Adjudication Unit (MS 5421)

From: Pipeline Unit, Field Operations (MS 5232)

Subject: Right-of-Way Relinquishment/Abandonment

Company: General Atlantic Resources, Inc

Right-of-Way Number: G 8944

The subject abandonment has been reviewed and has been found to be in compliance with 30 CFR 250.157(c).

✓ Pipeline abandoned in place

_____ Pipeline abandoned by removal

Carol

Enclosure

Signature incorrect.
Replacement letter forth-
coming per. Paul Lindsey.
1/30/91

BEST AVAILABLE COPY

FIX NO.	STATION NO.	"X" EASTING	"Y" NORTHING	DESCRIPTION	DISTANCE (FEET)	AZIMUTH DEG.-MIN.-SEC.
–	0 + 00	2,710,674.35	256,384.93	RISER: AS-BUILT 4" PIPELINE	–	–
1	0 + 34.04	2,710,655.71	256,356.44	ANODE ON AS-BUILT 4" PIPELINE	34.04'	213° 11' 43"
2	0 + 39.04	2,710,652.77	256,352.40	" " " "	5.00'	216° 02' 39"
3	2 + 34.24	2,710,544.94	256,189.68	AS-BUILT 4" PIPELINE	195.20'	213° 31' 53"
4	7 + 24.61	2,710,269.16	255,784.21	" " " "	490.37'	214° 13' 18"
5	8 + 86.62	2,710,173.80	255,653.24	" " " "	162.01'	216° 03' 31"
6	12 + 12.85	2,709,932.07	255,434.17	ANODE ON AS-BUILT 4" PIPELINE	326.23'	227° 48' 55"
7	12 + 17.85	2,709,929.22	255,430.05	" " " "	5.00'	214° 40' 24"
8	13 + 50.02	2,709,859.47	255,317.79	AS-BUILT 4" PIPELINE	132.17'	211° 51' 13"
9	19 + 49.09	2,709,522.83	254,766.22	" " " "	599.07'	214° 11' 23"
10	21 + 43.16	2,709,414.47	254,661.25	" " " "	194.07'	213° 56' 32"
11	24 + 94.26	2,709,215.22	254,372.17	X-ING 26" S.N.G. PIPELINE	351.10'	214° 34' 36"
12	28 + 89.26	2,708,980.18	254,054.70	ANODE ON AS-BUILT 4" PIPELINE	395.00'	216° 30' 52"
13	28 + 99.26	2,708,974.31	254,046.61	" " " "	10.00'	215° 57' 51"
14	29 + 15.74	2,708,967.41	254,031.64	X-ING 4" T.P.I. PIPELINE	16.48'	204° 44' 46"
–	29 + 18.74	2,708,966.16	254,028.92	RISER: AS-BUILT 4" PIPELINE	3.00'	204° 40' 54"

MAIN PASS AREA

GULF OF MEXICO

2,708,000 256,000 | 2,709,000 256,000 | 2,710,000 256,000 | 2,711,000 256,000

BLK. 55
OCS-G-4905

BLK. 56
OCS-G-4906

2,708,000 255,000 | 2,709,000 255,000 | 2,710,000 255,000 | 2,711,000 255,000

℄ AS-BUILT 4" PIPELINE

BLOCK LINE

TOP OF RISER
WALTER OIL & GAS CORP.
OCS-G-4906 WELL NO. 3
X = 2,710,674.35
Y = 256,384.93

1, 26" S.N.G. PIPELINE

BLOCK LINE CROSSING
X = 2,709,100.00
Y = 254,216.54

TOP OF RISER
T.P.I. BLK. 55-A PLATFORM
X = 2,708,966.16
Y = 254,028.92

1, 4" T.P.I. PIPELINE

2,708,000 254,000 | 2,710,000 254,000 | 2,711,000 254,000

LOUISIANA COORDINATE SYSTEM (SOUTH ZONE)

SCALE IN FEET
0 200' 400' 600' 800' 1,000'

SCALE IN METERS
0 100 200

PROFILE
HORIZONTAL SCALE: 1"=200'
VERTICAL SCALE: 1"=10'

PROFILE INFORMATION FURNISHED BY CAL DIVE INTERNATIONAL

RISER TO T.P.I. BLK. 55-A PLATFORM

RISER TO WALTER OIL & GAS CORP. OCS-G-4906 WELL NO. 3

① REMOVE RISER
② PROPOSED: CUT & CAP 15' from Riser

REMOVE RISER

PROPOSED: Cut & Cap 15' from Riser @ 3' BML.

3' MIN. COVER

NATURAL BOTTOM

FLOW

5'

18"

4" T.P.I. PIPELINE

26" S.N.G. PIPELINE

℄ AS-BUILT 4" PIPELINE

0 -10' -20' -30' -40'

CERTIFIED CORRECT AS TO THE HORIZONTAL POSITION OF PIPELINE

APPROVED Sam J. Cooper III
SAM J. COOPER III
REGISTERED LAND SURVEYOR NO. 4570
STATE OF LOUISIANA

STATE OF LOUISIANA
SAM J. COOPER III
REG. No. 4570
REGISTERED PROFESSIONAL LAND SURVEYOR

T. BAKER SMITH & SON, INC.

TITLE: AS-BUILT WALTER OIL & GAS CORP. 4" PIPELINE MAIN PASS AREA - BLOCKS 55 & 56 FOR WALTER OIL & GAS CORP.

DRWN: D. L. M.	SPV.
CHKD: S. J. C.	NO:
DATE 9/17/87	SHEET 1 OF 1

BY | REVISION | DATE | NO.

SW 8134

United States Department of the Interior

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

In Reply Refer To: MS 5421
OCS-G 8944

Instrument:

Filed : March 26, 1990
Executed : January 28, 1990
Approved : July 5, 1990
Effective: September 1, 1988

Walter Oil & Gas Corporation
Assignor

General Atlantic Resources, Inc.
Assignee

opr # 1351

ACTION: ASSIGNMENT APPROVED

Right-of-Way

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

Assignor assigned unto Assignee all of Assignor's 100% right, title and interest.

Record title interest is now held as follows:

OCS-G 8944 Blocks 56 and 55, Main Pass Area

General Atlantic Resources, Inc. 100%

J. Rogers Pearcy
J. Rogers Pearcy
Regional Director

cc: Assignor
Assignee
Case File

opr mrf 8/22/90 HH

GENERAL ATLANTIC

RESOURCES, INC.

March 21, 1990

RECEIVED

MAR 26 1990

Minerals Management Service
Leasing & Environment

U.S. DEPARTMENT OF THE INTERIOR
Minerals Management Service
Gulf of Mexico OCS Region
Adjudication Unit, LE-3-1
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394

RE: Right-of-Way Assignment
OCS-G 8944

Ladies and Gentlemen:

Enclosed please find three (3) fully executed originals of an assignment of all of Walter Oil & Gas Corporation's one hundred percent (100%) interest in Federal Pipeline Right-of-Way bearing Serial Number OCS-G 8944, into General Atlantic Resources, Inc.

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

Please refer to your New Orleans Miscellaneous Number 730 for Walter Oil & Gas Corporation and Number 1351 for General Atlantic Resources, Inc. for documents qualifying said parties to hold leases and rights-of-way on the Outer Continental Shelf in the Gulf of Mexico.

We hereby request that this assignment be approved effective as of September 1, 1988, and that one approved copy be returned to the undersigned.

Sincerely,

GENERAL ATLANTIC RESOURCES, INC.

Gary R. McGregor
Vice President

GRM/bh
8944.t
enclosures
cc: Ron A. Wilson, Walter Oil & Gas Corporation

RECEIVED
MAR 26 1990
Minerals Management Service
Leasing & Environment

ASSIGNMENT

UNITED STATES OF AMERICA {
{
OUTER CONTINENTAL SHELF LANDS {
{
OFFSHORE LOUISIANA {

OCS-G 8944

KNOW ALL MEN BY THESE PRESENTS, THAT

WHEREAS, under date of August 18, 1987, the United States Department of the Interior, acting through the Minerals Management Service, approved an Application for a Right-of-Way submitted by Walter Oil & Gas Corporation. The Right-of-Way, two hundred feet in width, was for the construction, maintenance and operation of a four and one-half inch (4-1/2") O.D. pipeline for the transportation of natural gas and condensate. The pipeline, 0.55 mile in length, as constructed, crosses Blocks 56 and 55, Main Pass Area.

WHEREAS, Walter Oil & Gas Corporation, a Texas corporation, ("Assignor") is the present owner of one hundred percent (100%) interest in and to the Right-of-Way;

WHEREAS, Assignor desires to transfer all of its one hundred percent (100%) right, title and interest in the Right-of-Way to General Atlantic Resources, Inc., a Delaware corporation ("Assignee");

NOW, THEREFORE, for and in consideration of the sum of fifty dollars ($50.00) and other good and valuable consideration to it in hand paid by Assignee, the receipt and sufficiency of which are hereby acknowledged and confessed, Assignor does hereby transfer and assign all of its one hundred percent (100%) right, title and interest in and to the Right-of-Way to Assignee;

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

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

APPROVED

J. Rogers Pearcy
Regional Director
Effective Date SEP 1 1988

This Assignment shall be made effective for all purposes as of September 1, 1988, subject to the approval thereof by the Minerals Management Service.

Executed in triplicate originals this, the 28th day of January, 1990.

N. O. MISC. NO. 730

WITNESSES:

WALTER OIL & GAS CORPORATION

BY: J. C. Walter III
J. C. Walter, III
President

ACCEPTANCE OF ASSIGNMENT

General Atlantic Resources, Inc., Assignee herein, expressly assumes and agrees to discharge all duties and obligations arising out of or imposed by and under each and all of the terms and provisions of said Right-of-Way.

N. O. MISC. NO. 1351

WITNESSES:

GENERAL ATLANTIC RESOURCES, INC.

BY:
NAME: Gary R. McGregor
TITLE: Vice President

ASSIGNMENT OF RIGHT-OF-WAY
BLOCKS 56 AND 55, MAIN PASS AREA
FEDERAL OFFSHORE LOUISIANA

STATE OF TEXAS {
{
COUNTY OF HARRIS {

On this 28th day of January, 1990, before me appeared J. C. Walter, III, to me personally known, who, being by me duly sworn, did say that he is the President of Walter Oil & Gas Corporation, and that said instrument was signed in 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.

In witness whereof, I have hereunto set my official hand and seal on the date hereinabove written.

Helen Fowler
Notary Public in and for
the State of Texas

My Commission Expires:

September 30, 1992

Printed Name of Notary:

Helen Fowler

STATE OF COLORADO {
{
COUNTY OF DENVER {

On this 21st day of March, 1990, before me appeared Gary R. McGregor, to me personally known, who, being by me duly sworn, did say that he is the Vice President of General Atlantic Resources, Inc., and that said instrument was signed in 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.

In witness whereof, I have hereunto set my official hand and seal on the date hereinabove written.

Phyllis R. Wakefield
Notary Public in and for
the State of ~~Texas~~ Colorado

My Commission Expires:

March 19, 1993

Printed Name of Notary:

Phyllis R. Wakefield
300 Cook Street
Denver, CO 80206

ASSIGNMENT OF RIGHT-OF-WAY
BLOCKS 56 AND 55, MAIN PASS AREA
FEDERAL OFFSHORE LOUISIANA

UNITED STATES
DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE

BEST AVAILABLE COPY

March 27, 1990 **DATE**

OCS-G 3544, P/L Assignment **PARENT SERIAL NUMBER**

Blocks 56 and 55, Main Pass Area **SUBJECT**

APPLICANT:

General Atlantic Resources, Inc.
410 Building
410 17th Street, Suite 1400
Denver, CO 80202

REMITTER IF DIFFERENT THAN APPLICANT:

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

Check No. 002304, dated 3/21/90, United Bank of Denver, N.A. Denver, CO

REMARKS _____

_____

_____

_____ **BY** _____ **DATE** _____

DO NOT ACCEPT THIS COPY AS A RECEIPT

CASE FOLDER COPY

FORM MMS-362 (SEPT. 1983)

BEST AVAILABLE COPY

SN 3134

Britton 11-19-87
Alvarado 11-19-87
Stauffer 11/19/87
CO

In Reply Refer To: FO-2-2
OCS-G 8944

NOV 23 1987

ACTION

Walter Oil & Gas Corporation	:	Pipe Line Right-of-Way
	:	
	:	Date of Permit: 9-8-87
	:	
	:	Proof of Construction
	:	Received: 10-14-87

Proof of Construction Accepted

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

The total length of the "as-built" pipeline right-of-way is 0.55 mile.

(Orig. Sgd.) J. Rogers Pearcy

J. Rogers Pearcy
Regional Director

bcc: P/L OCS-G 8944 (w/attachments) (K. Faust) (FO-2-2)
P/L OCS-G 8944 (FO-2-2)
ORD Reading File
OPS-6 (w/copy of location plat)

ABritton:mcs:11/19/87:LEXITYPE Disk 6

OK mcf
11/30/87
KF

WALTER OIL & GAS CORPORATION

October 12, 1987

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

MINERALS MANAGEMENT SERVICE
RECEIVED
OCT 14 1987
FIELD
OPERATIONS
Gulf of Mexico OCS Region, New Orleans, La.

Attention: Mr. Autry Britton

RE: Pipeline Right-of-Way (OCS-G 8944) In and/or Through Block 56 and 55, Main Pass Area, Offshore, Louisiana and Mississippi

Dear Autry:

Enclosed please find three (3) copies of the "As-Built" survey map covering the installation of Walter's 4.500" Natural Gas and Condensate Pipeline in and/or through Block 56 and 55, Main Pass Area, Offshore, Louisiana and Mississippi.

Also, enclosed please find three (3) copies of the "Hydrostatic Test Results" applicable to the subject pipeline.

Should you have any questions concerning this submittal, please contact me at your convenience at (713) 659-1222.

Sincerely,

WALTER OIL & GAS CORPORATION

Connie J. Goers

Connie J. Goers
Regulatory & Environmental Coordinator

:CJG
Enclosures

240 The Main Building, 1212 Main Street, Houston, Texas 77002 (713)659-1221

BEST AVAILABLE COPY

L.G.S., INC.
LAFAYETTE, LA

Pumper Gauging Services
Engineering
Fabrication
Sandblasting
Painting
Turn-key Projects
Concrete Post Tensioning
Hydrostatic Testing
Rentals

MINERALS MANAGEMENT SERVICE, LA
RECEIVED
OCT 14 1987
FIELD OPERATIONS
Gulf of Mexico OCS Region, New Orleans,

OCS-G 8944

WALTER Oil & Gas

CERTIFIED TEST REPORT NO. 090587 - T

P.O. Box 30838 • Lafayette, Louisiana 70503 • Office (318) 233-2576

L.G.S., INC.
LAFAYETTE, LA

BEST AVAILABLE COPY

Pumper Gauging Services
Engineering
Fabrication
Sandblasting
Painting
Turn-key Projects
Concrete Post Tensioning
Hydrostatic Testing
Rentals

SEPTEMBER 9, 1987

MR. STANLEY WALKER
[illegible] OFFSHORE CONTRACTORS, INC.
PORT OF IBERIA, LA.

DEAR MR. WALKER:

PLEASE FIND ATTACHED A COPY OF CERTIFIED TEST REPORT # 090987 - T, WHICH CONTAINS RECORDED DATA ON A 4" PIPELINE BELONGING TO WALTER OIL AND GAS COMPANY.

THE HYDRO-STATIC TEST WAS CONDUCTED UNDER THE SUPERVISION OF MR. HENERY GILL OF CONTINENTAL ENGINEERING AND CONSTRUCTION, INC.

THE HYDRO-STATIC TEST CONDUCTED ON SEPTEMBER 9, 1987, BY L.G.S., INC., MEETS OR EXCEEDS THE SPECIFICATIONS SET FORTH BY MR. GILL AND INDUSTRY STANDARD EQUIPMENT PROVING THE STRUCTURAL INTEGRITY OF SAID PIPELINE.

IF ANY FURTHER INFORMATION IS REQUIRED, PLEASE CALL.

RESPECTFULLY,

[illegible]
[illegible]

P.O. Box 30838 • Lafayette, Louisiana 70503 • Office (318) 233-~~2576~~ 2727

BEST AVAILABLE COPY

L.G.S., INC.
LAFAYETTE, LA

Pumper Gauging Services
Engineering
Fabrication
Sandblasting
Painting
Turn-key Projects
Concrete Post Tensioning
Hydrostatic Testing
Rentals

TABLE OF CONTENTS

DESCRIPTION PAGE NO.

DEADWEIGHT TEST LOG ---------- 1

PRESSURE CHART ---------- 2

TEMPERATURE CHART (WATER) ---------- 3

TEMPERATURE CHART (AIR) ---------- 4

CALIBRATION REPORT ---------- 5

BEST AVAILABLE COPY

*** DEADWEIGHT RECORD ***

A.F.E. NUMBER None

JOB NUMBER 207

LINE OWNER WALTER OIL & GAS INC.

GENERAL CONTRACTOR DYNAMIC OFFSHORE

TEST SECTION FROM STA. TPI-MP-55-A

TO STATION MP 56 WELL CASSION

PIPE DESCRIPTION 4" ϕ

MINIMUM PIPE ELEVATION -31

MAXIMUM PIPE ELEVATION Plus 14

ELEV. DEADWEIGHT TESTER Plus 30

DATE & TIME TEST BEGAN 9/09/87 @ 10:30 AM

DATE & TIME TEST COMPETED 9/09/87 @ 7:00 PM

MAXIMUM TEST PRESSURE 2200 PSI

MINIMUM TEST PRESSURE 2167 PSIG

DEADWEIGHT TESTER #35265-001

TIME	DEAD WEIGHT READING	TEMPERATURE AMBIENT	TEMPERATURE TEST MEDIUM
10:30	2195	84°F	
10:45	2183	84°F	
11:00	2180	84°F	
11:20	2178	84°F	
11:30	2175	84°F	
11:38	2200	84°F	REP#1 -
12:00 Noon	2200	84°F	
12:15	2200	84°F	
12:30	2197	84°F	
1:00	2195	85°F	
1:30	2193	86°F	
2:00	2191	86°F	
2:30	2188	86°F	
3:00	2187	87°F	
3:30	2187	87°F	
4:00	2187	87°F	
4:30	2187	81°F	
5:00	2185	86°F	
5:45 PM	2180	84°F	
6:00	2178	84°F	
6:39	2170	83°F	
7:00	2167	82	

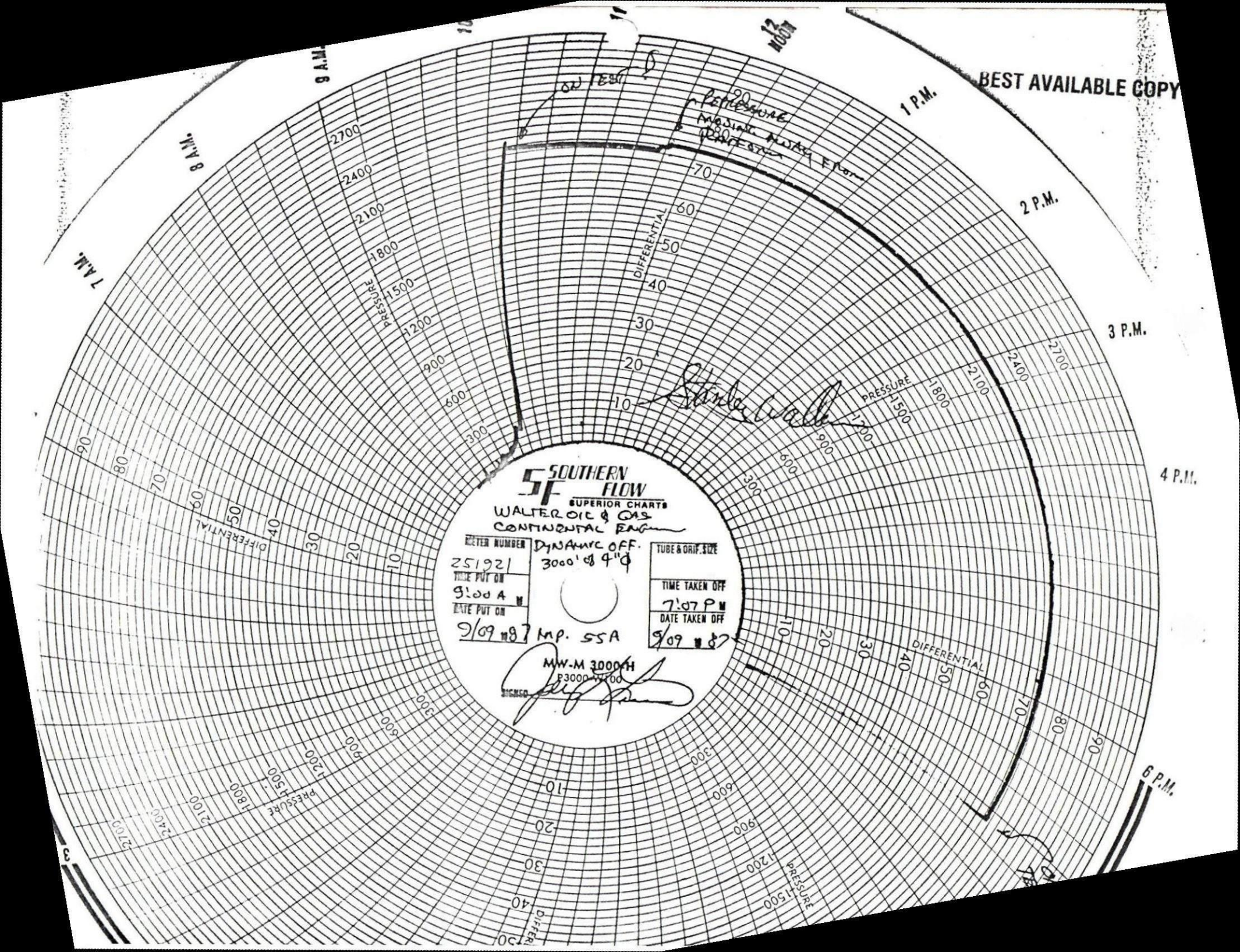
RESULTS OF TEST: ✓ ACCEPTABLE ____ UNACCEPTABLE

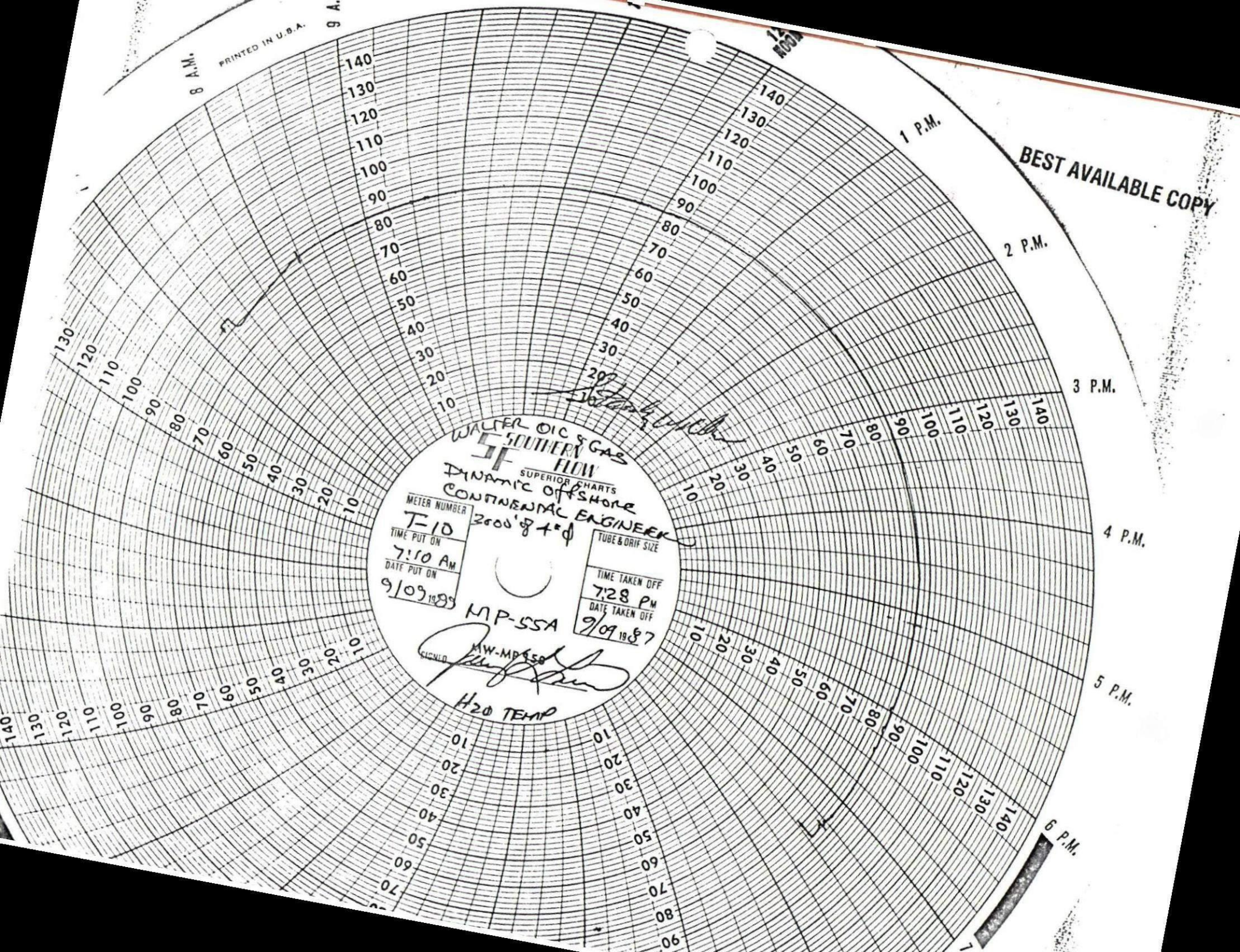
DURATION OF TEST 8 HRS.

CONTRACTOR'S REP. [signature]

OWNER'S REP. [signature]

TESTER'S REP. [signature]


BEST AVAILABLE COPY
SOUTHERN FLOW
SUPERIOR CHARTS
WALTEROIL & GAS
CONTINENTAL ENG
METER NUMBER
251921
TIME PUT ON
9:00 A M
DATE PUT ON
9/09 M87
DYNAMIC OFF.
3000' @ 9"@
MP. 55A
MW-M 3000H
TUBE & ORIF. SIZE
TIME TAKEN OFF
7:07 P M
DATE TAKEN OFF
9/09 M87
SIGNED
7 A.M.
8 A.M.
9 A.M.
1 P.M.
2 P.M.
3 P.M.
4 P.M.
6 P.M.
PRESSURE
DIFFERENTIAL


PRINTED IN U.S.A.
8 A.M.
9 A.M.
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
WALKER OIC & GAS
SOUTHERN FLOW
SUPERIOR CHARTS
DYNAMIC OFFSHORE
CONTINENTAL ENGINEER
METER NUMBER
T-10
TIME PUT ON
7:10 AM
DATE PUT ON
9/09 1987
TUBE & ORIF SIZE
TIME TAKEN OFF
7:28 PM
DATE TAKEN OFF
9/09 1987
MP-55A
MW-MP 55A
H20 TEMP
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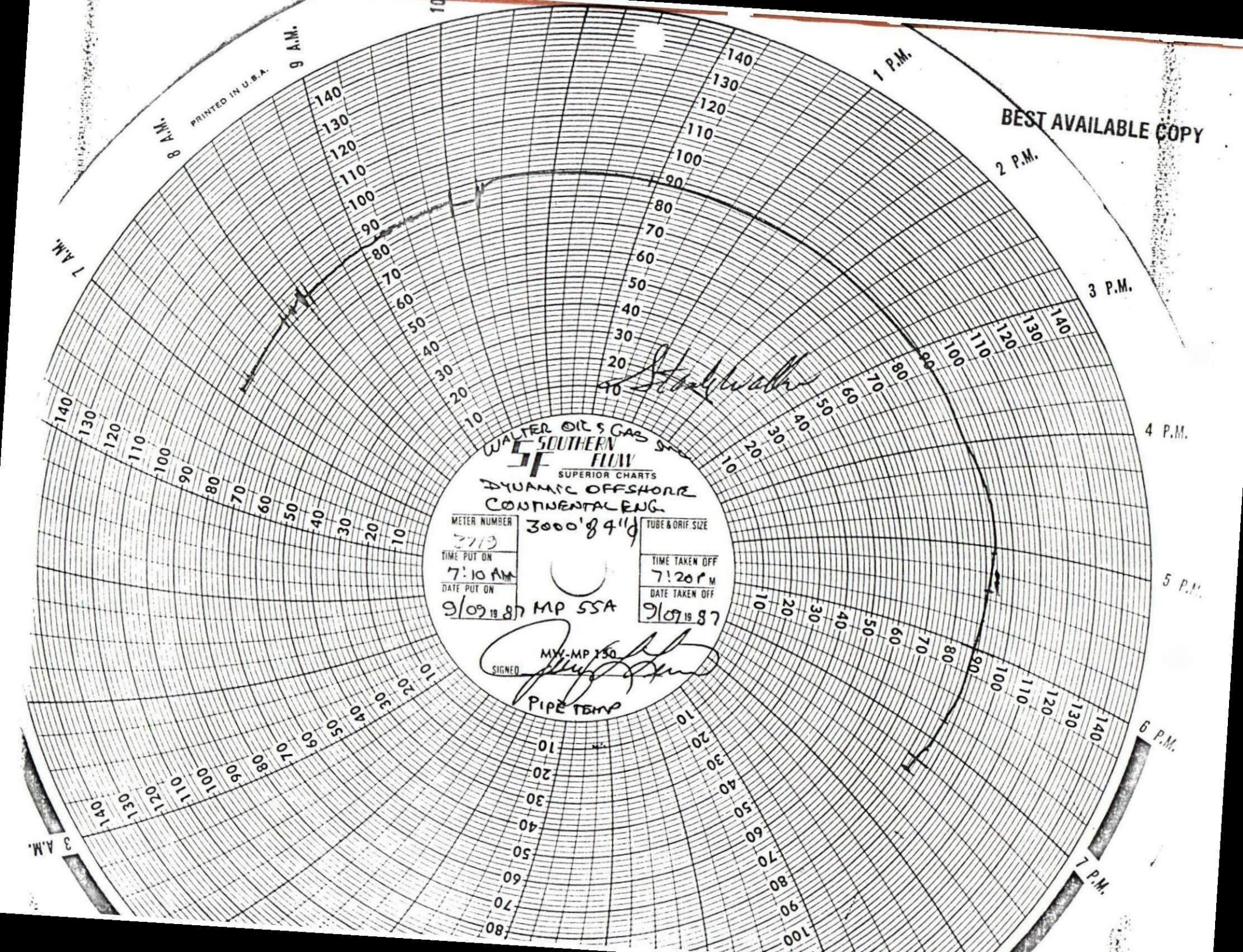

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CALIBRATION CERTIFICATE

DEAD WEIGHT TESTER

MAKE Refinery Supply

PART NUMBER _____ SERIAL NUMBER 35265-001

PRESSURE RANGE 0-5000 P.S.I.

Calibrated in VERT Position. Temp. 85 °F.

This is to certify that this gauge has been inspected and tested against Pressure Standard Vaetrix Gauge I, Serial No. 721, (accuracy 0.093% full scale) traceable to the National Bureau of Standards, traceability reference Test Report #211 & 212.

Special Conditions: _____

DATE OF CALIBRATION 6/25/87 TESTER [signature]

SRC ENGINEERS, INC. Lafayette, La.

BEST AVAILABLE COPY

CALIBRATION CERTIFICATE

PRESSURE RECORDER

MAKE BARTON

PART NUMBER _____ SERIAL NUMBER 202A-251921

ELEMENT NO.

1. PRESSURE RANGE 3000 P.S.I. ACCURACY ± .25 %

2. PRESSURE RANGE 10,000 P.S.I. ACCURACY ± .25 %

Calibrated in VERTICAL Position. Temp. 85 °F.

This is to certify that this gauge has been inspected and tested against Pressure Standard Vaetrix Gauge I, Serial No. 721, (accuracy 0.093% full scale) traceable to the National Bureau of Standards, traceability reference Test Report #211 & 212.

Special Conditions: _____

DATE OF CALIBRATION 6/25/87 TESTER [signature]

SRC ENGINEERS, INC. Lafayette, La.

BEST AVAILABLE COPY

CALIBRATION CERTIFICATE

TEMPERATURE RECORDER

MAKE AMERICAN METER

SERIAL NUMBER T-10

TEMP. RANGE 0-150 °F

Calibrated from 20% to 80% of scale as verified by laboratory grade thermometer. ASTM 5F-VWF Scientific Inc.-# A06900

Calibrated in Vertical Position.

DATE OF CALIBRATION 6/25/87 TESTER

SRC ENGINEERS, INC. Lafayette, La.

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CALIBRATION CERTIFICATE

TEMPERATURE RECORDER

MAKE AMERICAN METER

SERIAL NUMBER MMR-3713

TEMP. RANGE 0-150 °F

Calibrated from 20% to 80% of scale as verified by laboratory grade thermometer. ASTM 5F-VWF Scientific Inc.-# A06900

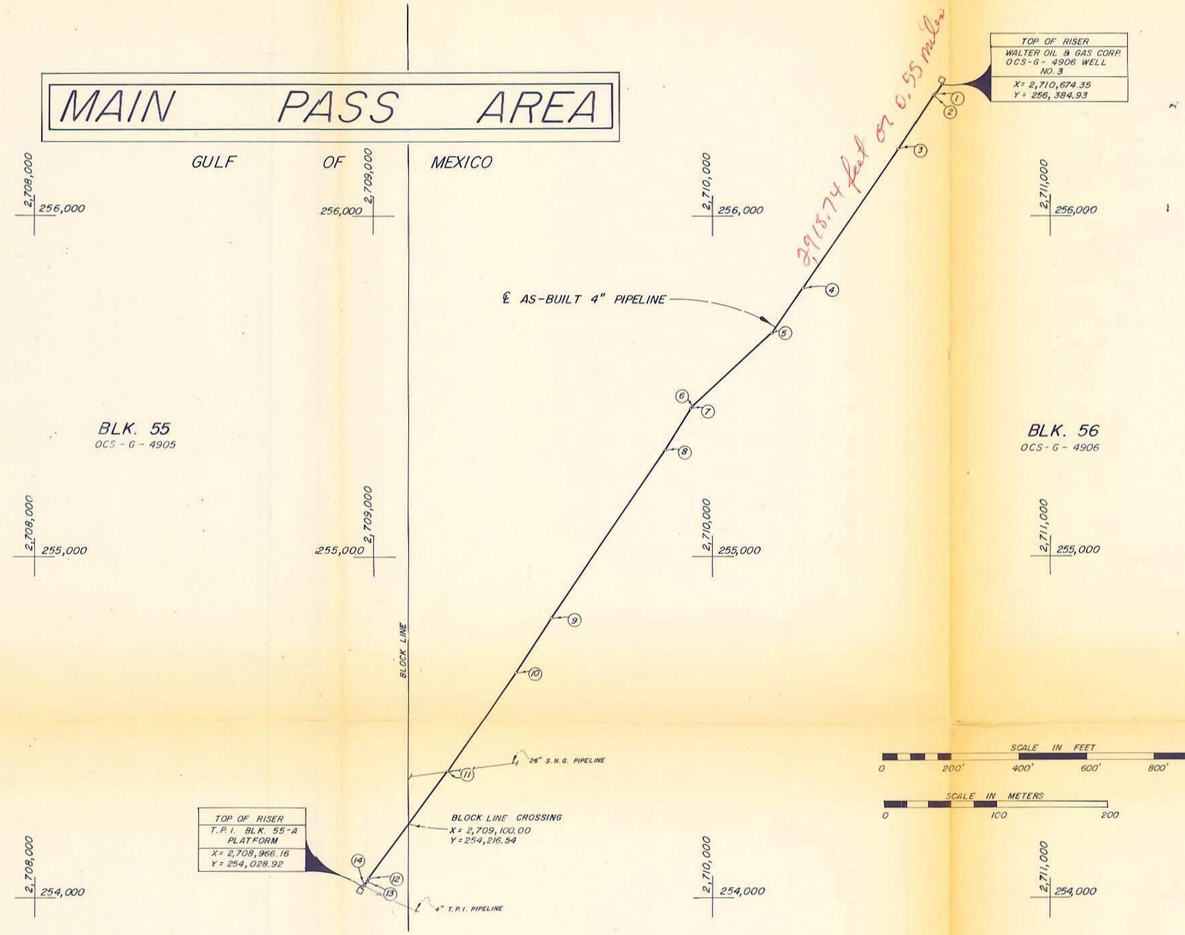
Calibrated in Vertical Position.

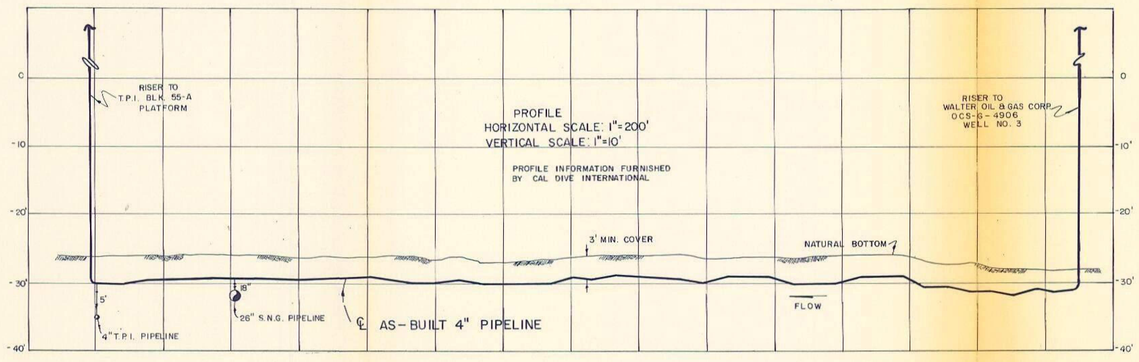
DATE OF CALIBRATION 6/25/87 TESTER

SRC ENGINEERS, INC. Lafayette, La.

BEST AVAILABLE COPY

FIX NO.	STATION NO.	"X" EASTING	"Y" NORTHING	DESCRIPTION	DISTANCE (FEET)	AZIMUTH DEG-MIN-SEC.
–	0 + 00	2,710,674.35	256,384.93	RISER: AS-BUILT 4" PIPELINE	–	–
1	0 + 34.04	2,710,655.71	256,356.44	ANODE ON AS-BUILT 4" PIPELINE	34.04'	213° 11' 43"
2	0 + 39.04	2,710,652.77	256,352.40	" " " "	5.00'	216° 02' 39"
3	2 + 34.24	2,710,544.94	256,189.68	AS-BUILT 4" PIPELINE	195.20'	213° 31' 53"
4	7 + 24.61	2,710,269.16	255,784.21	" " " "	490.37'	214° 13' 18"
5	8 + 86.62	2,710,173.80	255,653.24	" " " "	162.01'	216° 03' 31"
6	12 + 12.85	2,709,932.07	255,434.17	ANODE ON AS-BUILT 4" PIPELINE	326.23'	227° 48' 55"
7	12 + 17.85	2,709,929.22	255,430.05	" " " "	5.00'	214° 40' 24"
8	13 + 50.02	2,709,859.47	255,317.79	AS-BUILT 4" PIPELINE	132.17'	211° 51' 13"
9	19 + 49.09	2,709,522.83	254,822.25	" " " "	599.07'	214° 11' 23"
10	21 + 43.16	2,709,414.47	254,661.25	" " " "	194.07'	213° 56' 32"
11	24 + 94.26	2,709,215.22	254,372.17	X-ING 26" S.N.G. PIPELINE	351.10'	214° 34' 36"
12	28 + 89.26	2,708,980.18	254,054.70	ANODE ON AS-BUILT 4" PIPELINE	395.00'	216° 30' 52"
13	28 + 99.26	2,708,974.31	254,046.61	" " " "	10.00'	215° 57' 51"
14	29 + 15.74	2,708,967.41	254,031.64	X-ING 4" T.P.I. PIPELINE	16.48'	204° 44' 46"
–	29 + 18.74	2,708,966.16	254,028.92	RISER: AS-BUILT 4" PIPELINE	3.00'	204° 40' 54"





CERTIFIED CORRECT AS TO THE HORIZONTAL POSITION OF PIPELINE

APPROVED: SAM J. COOPER III

REGISTERED LAND SURVEYOR NO. 4570
STATE OF LOUISIANA

STATE OF LOUISIANA
SAM J. COOPER III
REG. No. 4570
REGISTERED PROFESSIONAL LAND SURVEYOR

MINERALS MANAGEMENT SERVICE
RECEIVED
OCT 1 4 1987
FIELD OPERATIONS
Gulf of Mexico OCS Region, New Orleans

SN 8134

OCS-G 8944

REVISION	BY	DATE

T. BAKER SMITH & SON, INC.

TITLE: AS-BUILT WALTER OIL & GAS CORP. 4" PIPELINE MAIN PASS AREA - BLOCKS 55 & 56 FOR WALTER OIL & GAS CORP.

DRWN: D. L. M.	SPV.
CHKD: S. J. C.	NO:
DATE 9/17/87	SHEET 1 OF 1

BEST AVAILABLE COPY

PIPELINE INSPECTION CHECK LIST

Date of Inspection: 9-22-87

Company Contact: GARY MC CANN (TOTAL)

Lessee/Operator: WALTER OIL & GAS

Contractor: —
Barge ID

MMS Inspector: ALVARADO

Barge or Platform: MP65 A
Location

Segment No.: G 8944 & G 7547

DOT/DOI: DOI

From: MP 56 #3

To: MP 65 A (TOTAL)
THROUGH MP 55

General Description of Pipeline: Pipe Specification:

Type: BCKG

Length:

Size: 4 1/2

Wall Thickness:

Grade:

Anodes:

Seamless:

Type: Weight:

Coating:

No.: Spacing:

HTP Data

(Medium) Water or Product

Duration Time

Pressure (PSI)

Rating of Valves, Flanges, Fittings and Location

Rating: 1440

Flanges: 1440

Location: BV's, SDV, and FSV

Fittings: —

Type of Downstream Component

	High	AT	Low
Sensors:	1200/1200	MP56 #3	800/800

SITP 2900 PSIG 9-15-87

Rating of Downstream Component:

Is low sensor installed where it could not be isolated?

Pipeline Crossing & Clearance:

Burial Depth:

Riser Protection

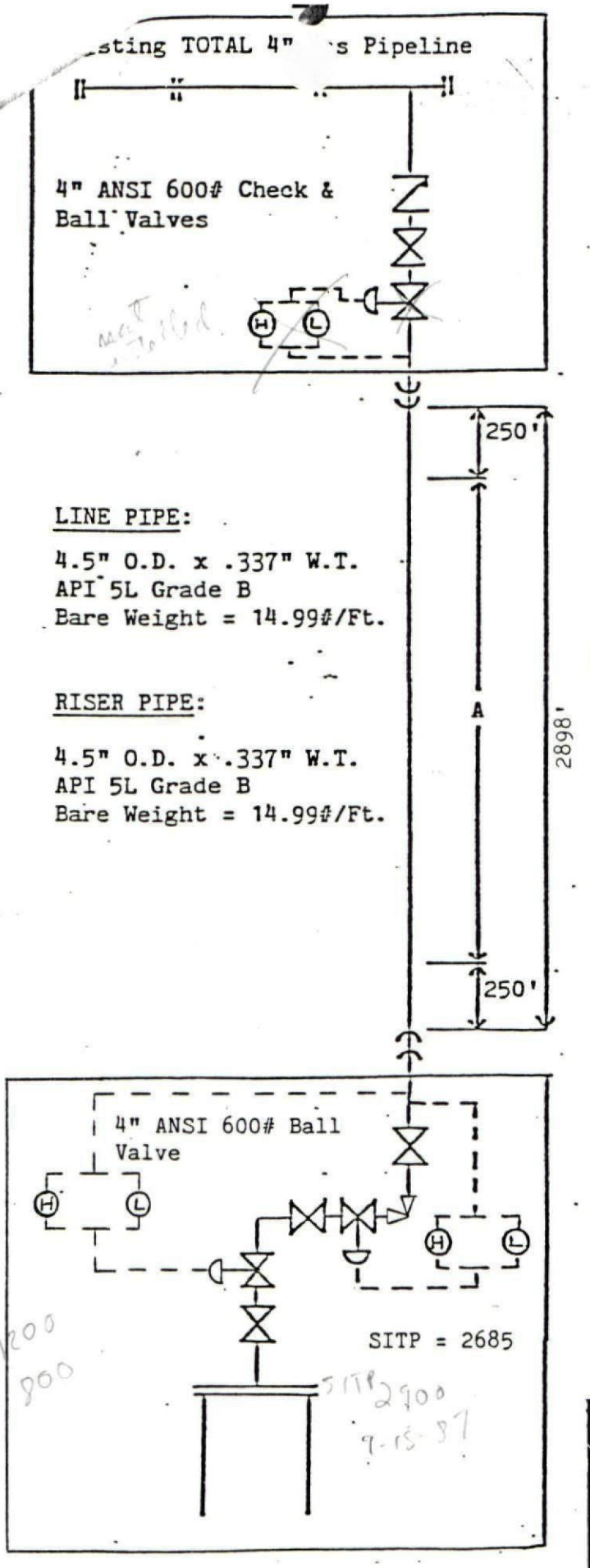
Valves/Taps Cover:

Coating: Y Bumper Guard: Y Splash Guard: Y

Water Depth:

Cover over valves:

Remarks:



LINE PIPE:

4.5" O.D. x .337" W.T.
API 5L Grade B
Bare Weight = 14.99#/Ft.

RISER PIPE:

4.5" O.D. x .337" W.T.
API 5L Grade B
Bare Weight = 14.99#/Ft.

TOTAL PETROLEUM, INC.
Main Pass Block 55
Pipeline Caisson

GENERAL NOTES

1. WALTER OIL & GAS Pipeline complies with DOT Title 49, Part 192 & OCS Order No. 9
2. WALTER OIL & GAS Well No. 3 Caisson complies with OCS Order No. 5
3. High Pressure Sensor will be set at 1200psi
4. Low Pressure Sensor will be set at 900 psi
5. Design Pressure of the Pipeline is 1440psi
6. WALTER OIL & GAS Well No. 3 Caisson Facilities comply with API 14E regulations

A = Sacrificial Anodes 35# Galvalum III or equivalent, spacing at 500' maximum

REGISTERED PROFESSIONAL ENGINEER
STATE OF TEXAS NO. 20710

Gordon Talk
Gordon Talk

WALTER OIL & GAS CORPORATION
Main Pass Block 56
Caisson No. 3

BEST AVAILABLE COPY

WALTER OIL & GAS CORPORATION

SCHEMATIC FOR 4.5" O.D. NATURAL GAS, CONDENSATE AND WATER PIPELINE TO BE INSTALLED FROM MAIN PASS BLOCK 56 TO MAIN PASS BLOCK 55 ....

DATED: 06-26-87

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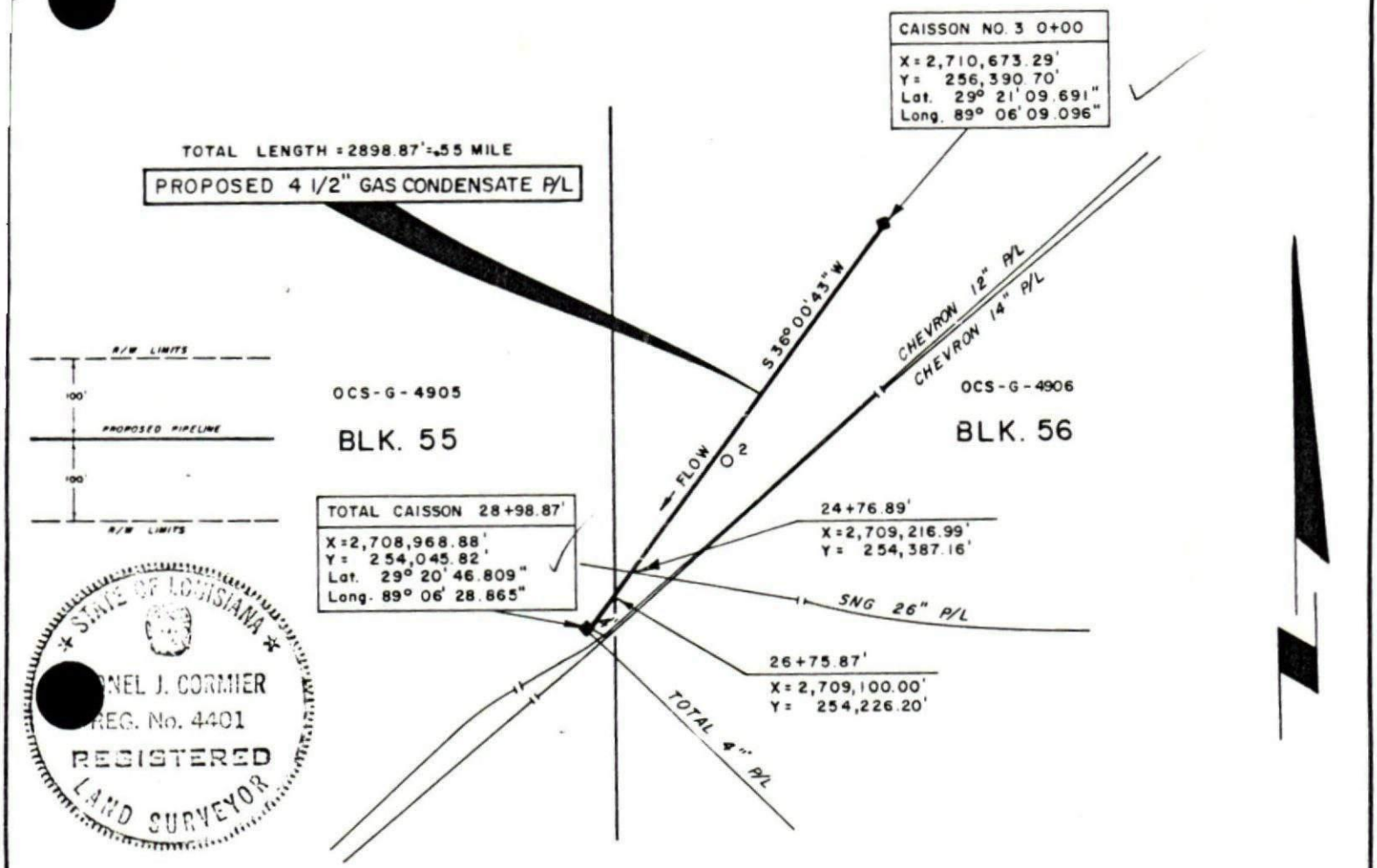


STATE OF LOUISIANA
LIONEL J. CORMIER
REG. No. 4401
REGISTERED
LAND SURVEYOR

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

Lionel J. Cormier

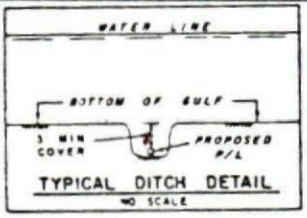
REGISTERED LAND SURVEYOR NO. 4401
STATE OF LOUISIANA
JOHN E. CHANCE & ASSOCIATES, INC.

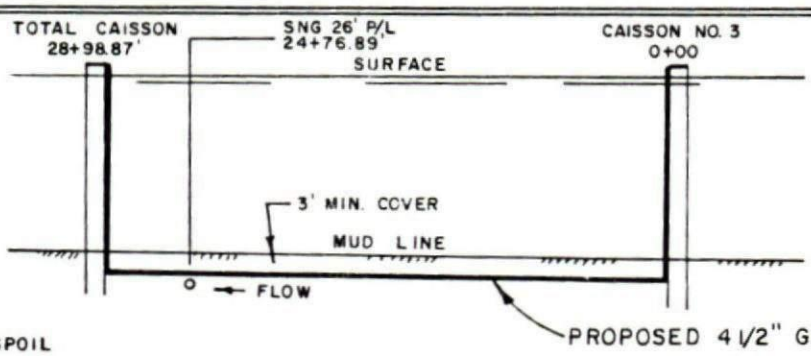
PLAN

1000 500 0 1000 FT.
SCALE

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

Gordon Falk
AREA ENGINEER





APPROX. 966 CUBIC YARDS OF SPOIL

SPOIL TO BE DEPOSITED SO AS NOT TO REDUCE WATER DEPTH MORE THAN 0.5 FOOT.

PROFILE

0 500 1000 FT.
HOR. SCALE

0 10 20 30 FT.
VERT. SCALE

APPLICATION BY
WALTER OIL & GAS COMPANY
HOUSTON, TEXAS
JUNE 26, 1987

PROPOSED 4 1/2" GAS CONDENSATE P/L

MAIN PASS AREA

GULF OF MEXICO

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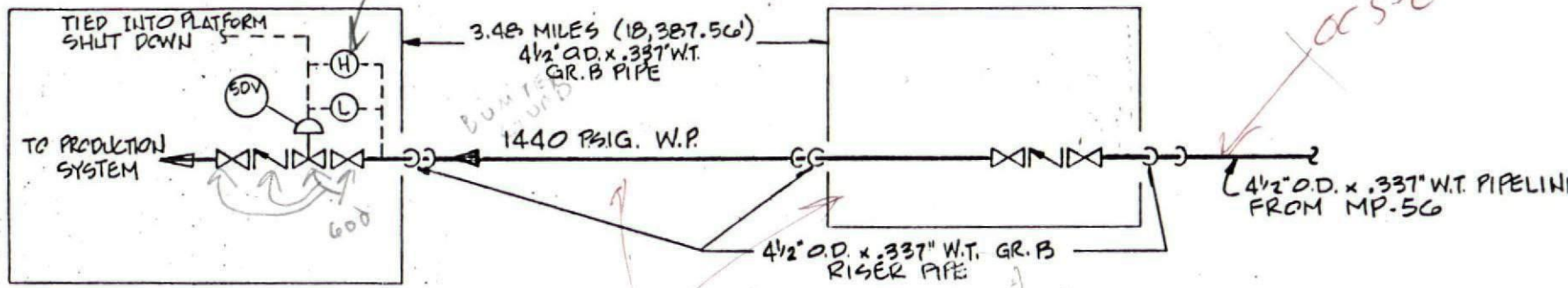

TOTAL PETROLEUM INC.
M.P. BLOCK 65
6 PILE PRODUCTION PLATFORM

TOTAL PETROLEUM INC.
M.P. BLOCK 55
CAISSON DECK

NOTES:

1. PIPE COATING IS 14 MILS, SCOTCHKOTE 212.
2. CATHODIC PROTECTION IS 23 lb. GALVALUM III BRACELETS EVENLY SPACED AT 500'.
3. DESIGN CHARACTERISTICS OF PIPELINE ARE IN ACCORANCE WITH D.O.T. PART 192 & O.C.S. ORDER Nº 5.
4. ALL VALVES ABOVE WATER ARE 600# ANSI.

CONTINENTAL ENGINEERING & CONSTRUCTION SERVICES, INC.

Britton 9-4-87
Howard 9/4/87

SN 3134

BEST AVAILABLE COPY

In Reply Refer To: FO-2-2

SEP 0 8 1987

Walter Oil & Gas Corporation
Attention: Mr. Jack Horton
240 The Main Building
1212 Main Street
Houston, Texas 77002

Gentlemen:

Your letter dated August 31, 1987, requested approval of a departure from the requirements of OCS Order No. 9, for right-of-way OCS-G 8944 on Total Petroleum Company's Caisson No. 1 (OCS-G 7547) in Block 55, Main Pass Area. Specifically, Walter Oil & Gas Corporation requests approval to operate the following pipelines without a boarding automatic shutdown valve (SDV) and departing pipeline high- and low-pressure pilots (PSHL) on Caisson No. 1:

Pipeline Right-of-Way No.	Size (inches)	Length (feet)	Service	From	To
OCS-G 8944	4 1/2	2,899	Bulk Gas	Caisson No. 3 Main Pass Block 56 Lease OCS-G 4906	Caisson No. 1 Main Pass Block 55 Unleased
OCS-G 7547	4 1/2	18,388	Bulk Gas	Caisson No. 1 Main Pass Block 55 Unleased	Platform A Main Pass Block 65 Lease OCS-G 5692

Pursuant to 30 CFR 250.11(b), approval to depart from the requirements of a boarding SDV and departing PSHL on the pipelines described above, is hereby granted. Should production equipment be installed or supply gas become available on the No. 1 Caisson, this departure is automatically rescinded.

Sincerely yours,

(Orig. Sgd.) A. Donald Giroir

for D. J. Bourgeois
Regional Supervisor
Field Operations

OK 9/8/87 KT

bcc: P/L OCS-G 8944 (w/orig letter) (FO-2-2)
K. Faust (FO-2-2)
FO-3

ABritton:mcs:9/4/87:LEXITYPE

WALTER OIL & GAS CORPORATION

August 31, 1987

MINERALS MANAGEMENT SERVICE
RECEIVED
SEP 01 1987
FIELD OPERATIONS
Gulf of Mexico OCS Region, New Orleans, La.

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

Attention: Mr. Autry Britton

RE: Application for Pipeline Right-of-Way (OCS-G 8944) Approved August 18, 1987 for Proposed 4-1/2" Natural Gas and Condensate Pipeline In and/or Through Blocks 56 and 55, Main Pass Area, Offshore, Louisiana

Dear Autry:

Reference is made to that certain permit approved by your office on August 18, 1987 covering the proposed installation of a 4-1/2" natural gas and condensate right-of-way pipeline in and/or through Blocks 56 and 55, Main Pass Area, Offshore, Louisiana.

Walter Oil & Gas Corporation respectfully requests a departure from OCS Order No. 9 Section 1.A(2)(c) to delete installation of the high-low pressure sensors and automatic shut-down valve on Total's Pipeline Caisson located in Block 55, Main Pass Area, as detailed on the attached drawings. The proposed pipeline, originating at Walter's Well No. 3 in Block 56 and terminating at Total's Pipeline Caisson in Block 55, will be protected with high-low pressure sensors and automatic shut-down valves at each end.

As the shut-down system on Total's Pipeline Caisson in Block 55 would be redundant and there would be considerable expense in the installation and maintenance of the system; Walter requests this departure be approved.

Should you have any questions concerning this matter, please contact the undersigned or Connie J. Goers at (713) 659-1222.

Sincerely,

WALTER OIL & GAS CORPORATION

Jack Horton
Production Engineer

JH:cjg
Attachments

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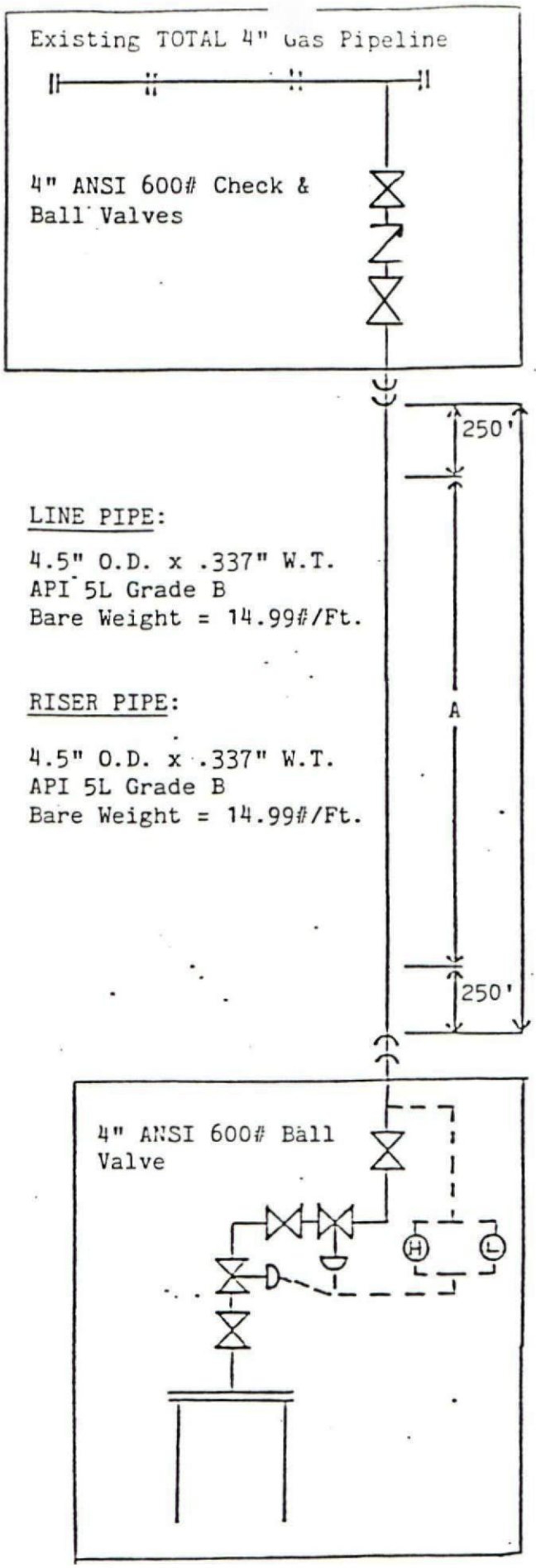


LINE PIPE:

4.5" O.D. x .337" W.T.
API 5L Grade B
Bare Weight = 14.99#/Ft.

RISER PIPE:

4.5" O.D. x .337" W.T.
API 5L Grade B
Bare Weight = 14.99#/Ft.

TOTAL PETROLEUM, INC.
Main Pass Block 55
Pipeline Caisson

GENERAL NOTES

1. WALTER OIL & GAS Pipeline complies with DOT Title 49, Part 192 & OCS Order No. 9
2. WALTER OIL & GAS Well No. 3 Caisson complies with OCS Order No. 5
3. High Pressure Sensor will be set at 1200psi
4. Low Pressure Sensor will be set at 900 psi
5. Design Pressure of the Pipeline is 1440psi
6. WALTER OIL & GAS Well No. 3 Caisson Facilities comply with API 14E regulations

A = Sacrificial Anodes 35# Galvalum III or equivalent, spacing at 500' maximum

REGISTERED PROFESSIONAL ENGINEER
STATE OF TEXAS NO. 20710

Gordon Talk

Gordon Talk

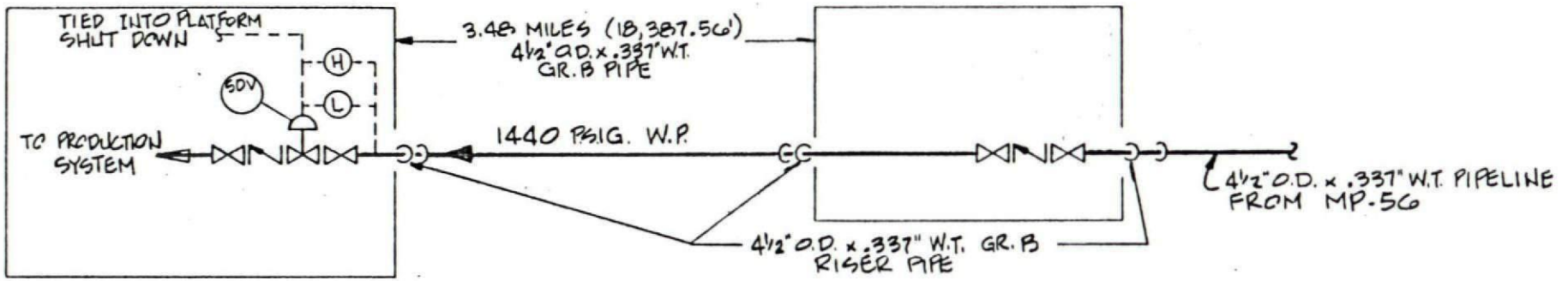
WALTER OIL & GAS CORPORATION
Main Pass Block 56
Caisson No. 3

WALTER OIL & GAS CORPORATION

SCHEMATIC FOR 4.5" O.D. NATURAL GAS, CONDENSATE AND WATER PIPELINE TO BE INSTALLED FROM MAIN PASS BLOCK 56 TO MAIN PASS BLOCK 55

Revised: August 31, 1987

BEST AVAILABLE COPY



TOTAL PETROLEUM INC.
M.P. BLOCK 65
6 PILE PRODUCTION PLATFORM

TOTAL PETROLEUM INC.
M.P. BLOCK 55
CAISSON DECK

NOTES:

1. PIPE COATING IS 14 MILS, SCOTCHKOTE 212.
2. CATHODIC PROTECTION IS 23 lb. GALVALUM III BRACELETS EVENLY SPACED AT 500'.
3. DESIGN CHARACTERISTICS OF PIPELINE ARE IN ACCORANCE WITH D.O.T. PART 192 & O.C.S. ORDER Nº 5.
4. ALL VALVES ABOVE WATER ARE 600# ANSI.

CONTINENTAL ENGINEERING & CONSTRUCTION SERVICES, INC.
LAFAYETTE, LOUISIANA
CLIENT: TOTAL PETROLEUM INC.
DRAWING TITLE: 4" GAS PIPELINE
JOB LOCATION: MAIN PASS PIK. 55 & 65

Britton 8-18-87
Howard 8/18/87
Stauffer 8/18/87

BEST AVAILABLE COPY

CJ8134

AUG 18 1987

In Reply Refer To: FO-2-2
OCS-G 8944

Main Pass Area

Walter Oil & Gas Corporation

Right-of-Way

ACTION: APPLICATION APPROVED

Your application for a right-of-way 200 feet in width for the construction, operation, and maintenance of a 4 1/2-inch bulk gas pipeline, 0.55 miles in length, from Walter Oil & Gas Corporation's Well A-1 in Block 56, Main Pass Area, to Total Petroleum Company's existing pipeline (OCS-G 7547) in Block 55, Main Pass Area, dated June 30, 1987, amended July 6, 1987, with its attachments, is hereby approved subject to the following:

The grantee shall adhere to the requirements of Section IV.B.1. of Notice to Lessees and Operators No. 83-3 due to the proximity of existing pipelines and magnetic anomalies to the proposed pipeline installation activities.

(Orig. Sgd.) J. Rogers Pearcy

J. Rogers Pearcy
Regional Director

bcc: P/L OCS-G 8944 (FO-2-2)
K. Faust (FO-2-2)
ORD Reading File
LE-5
LE-3-1
FO-3

ABritton:jj:8/18/87:Disk 6

MINERALS MANAGEMENT SERVICE
RECEIVED
AUG 19 1987
FIELD
OPERATIONS
Gulf of Mexico OCS Region, New Orleans, LA

UNITED STATES GOVERNMENT
MEMORANDUM

August 17, 1987

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

From: Regional Supervisor, Leasing and Environment, GOM OCS Region (LE)

Subject: National Environmental Policy Act (NEPA) Review for Pipeline Right-of-Way Application OCS-G 8944

Action Submitted: July 2, 1987

Action Commence: Upon Approval

Walter Oil and Gas Corporation
Pipeline Right-of-Way Application
Lease OCS-G 8944, Main Pass Area, Blocks 55 and 56

The operator proposes to install, maintain, and operate one 4 1/2-inch O.D. natural gas and condensate pipeline within a 200-foot wide right-of-way approximately 2,898.87 feet (0.55 miles) in total length from Walter's Caisson No. 3 in Block 56 to a tie-in with Total Petroleum's 4 1/2-inch gas pipeline in Block 55.

Our NEPA review of the subject action is complete. The following environmental protective measure intended to avoid or mitigate potential impacts associated with the action is provided for inclusion in the plan/application approval letter: Precautions as outlined in NTL 83-3 are required due to the proximity of existing pipelines and magnetic anomalies to the proposed activities.

FOR H. P. Sieverding

cc: Lease OCS-G 8944 POD File w/CER (OPS-3-2)

BSmith:tj:ocs8944.row

OCS-G8944

WALTER OIL & GAS CORPORATION

August 13, 1987

U. S. Department of the Interior
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394

Attention: Mr. Autry Britton

RE: Application for Pipeline Right-of-Way Dated June 30, 1987, Amended July 6, 1987 for Proposed 4-1/2" Natural Gas and Condensate Pipeline In and/or Through Blocks 56 and 55, Main Pass Area, Offshore, Louisiana

Dear Autry:

Enclosed please find one (1) copy of the Coastal Zone Consistency Certification issued by the Mississippi Department of Wildlife Conservation as it pertains to the subject right-of-way pipeline application.

Should you have any questions, please call me.

Sincerely,

WALTER OIL & GAS CORPORATION

Connie J. Goers
Regulatory & Environmental Coordinator

:CJG
Enclosure

240 The Main Building, 1212 Main Street, Houston, Texas 77002 (713)659-1221

OCS-G8944

Mississippi D\ nent of Wildlife Conservation
Bureau of Marine Resources
P. O. Drawer 959
Long Beach, MS 39560
(601) 864-4602
Enforcement Div. (601) 374-3205

MINERALS MANAGEMENT SERVICE
RECEIVED
1 7 1987
FIELD
OPERATIONS
Gulf of Mexico OCS Region, New Orleans, La.

BILL ALLAIN
Governor

Commissioners:

Joseph W. Gex
Bay St. Louis

S. T. Rayburn
Oxford

W. A. "Sonny" Speights
Brandon

Champ Terney
Indianola

A. G. Williams
Osyka

August 10, 1987

Mr. J.C. Walter, III
Walter Oil & Gas Corporation
240 The Main Building
1212 Main Street
Houston, TX 77002

RE: Proposed 4 1/2 Inch Pipeline, Blocks 56 and 55 Main Pass Area

Dear Mr. Baucum:

The Bureau of Marine Resources in cooperation with other state agencies is responsible under the Mississippi Coastal Program (MCP) for managing the coastal resources of Miss. Proposed activities in the coastal area are reviewed to insure that the activities are in compliance with the MCP. The above activity has been reviewed, and its status is indicated below:

____ The MCP does not cover the above activity. The Bureau has determined Section 307 of the Coastal Zone Management Act (CZMA) does not apply.

_X_ The above activity is consistent with the MCP and the requirements of Section 307 of the CMZA have been met.

____ The above activity is conditionally consistent with the MCP and the requirements of Section 307 of the CZMA have been met, provided the attached conditions are complied with.

____ The above activity is not consistent with the MCP and does not meet approval requirements under Section 307 of the CZMA. The attached information explains the conflicts between the activity and the MCP.

____ A certification of consistency with the MCP is being withheld, due to insufficient information.

____ The above activity is not ready for review, and may proceed subject to further coordination.

If you have any questions concerning this matter, please contact our office.

Sincerely,

Richard L. Leard

Richard L. Leard, Ph.D.
Bureau Director

____ Attachments

OCS-G 8944

State of Louisiana

EDWIN W. EDWARDS
GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

Coastal Management Division

B. JIM PORTER
SECRETARY

August 4, 1987

Mr. Autry J. Britton, General Engineer
Minerals Management Service
1201 Elmwood Park Blvd.
New Orleans, LA 70123

RE: C870316, Coastal Zone Consistency
Walter Oil & Gas Corporation, Right-of-Way
4 1/2" Natural Gas Pipeline In and/or Through
Blocks 56 and 55, Main Pass Area, Gulf of Mexico
Federal Waters, Offshore, LA

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 Walter Oil and Gas Corporation as required in Section 307(c)(3)(B) (Subpart E) of the Coastal Zone Management Act of 1972 as amended.

Sincerely,

B. JIM PORTER

BY: C. G. Groat
C. G. Groat
Assistant to the Secretary

BJP:CGG/MR/se

cc: Mr. Ron Ventola
U.S. Army Corps of Engineers
Walter Oil and Gas Corporation
Houston, Texas

UNITED STATES GOVERNMENT
MEMORANDUM

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Date: 7-2-87

To: Right-of-Way Pipeline File OCS-G 8944 (FO)

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

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

Subject: Pipeline Right-of-Way Application, Technical Review, Walter Oil & Gas Corporation OCS-G 8944

Size (inches)	Length (feet)	Service	From	To
4½	2899	BLK G	Cusson No. 3 Block 56 Main Pass Area	4½ Tie-in on Cusson No. 1 Block 55

Recommendations:

_____ 1. The technical aspects of the proposed pipeline are acceptable in accordance with appropriate Regulations and Standards.

_____ 2. Advise applicant of Notice to Lessees and Operators No. 83-3.

_____ 3. Valve protection cover shall not protrude above the level of the mud line.

_____ 4. Subsea valves and taps associated with this pipeline shall be provided with a minimum of three feet of cover, either through burial, with sandbags, or other acceptable method.

_____ 5. _____

A. Britton

A. Britton

cc: 1502-01 OCS-G 8944 (w/orig appln) (Seg. 8134) (FO-2-2)

OPS-5 (w/cy of plat) C

ABritton:jj:LEXITYPE Disk 6

OK mcp 7/23/87

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PIPELINE RIGHT-OF-WAY APPLICATION "ENGINEERING CHECKLIST"

MINERALS MANAGEMENT SERVICE
GOM REGIONAL OFFICE

Date: 7-2-87

OCS-G 8944

A. Description of pipeline and location of proposed route (i.e., size of pipe, product to be transported, from where to where, platform number, name, block number, area, and distance in feet and miles): For a 4½ inch Bulk Gas Pipeline, ~~2899~~ 2,919 ft. feet or 0.55 mile in length from Walter Oil & Gas Corporation's Caisson NO. 3 in Block 56, to Total Petroleum Company's Caisson NO. 1 and the not in service 4½ inch gas pipeline (OCS-G 7547) in Block 55, all located in Main Pass area

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

✓ 1. **Pressure source is drawn into the schematic with the following:**

a. **source (i.e., name)** Well

b. **design working pressure** SITP = 2,685 psig

c. **high-low pressure sensor settings** High set @ 1,200 psig; Low @ 900 psig

✓ 2. **"ANSI" ratings of all valves, flanges, and fittings between the source and the connecting pipeline are shown.**

— 3. **Pressure relief valves, where applicable, are shown with the setting set no higher than the maximum working pressure (MWP) of the vessel.**

✓ 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.**

N/A 8. **The pipeline crossing the platform which does not deliver production to the platform, but which may or may not receive production from the platform, is equipped with high-low pressure sensors connected to an automatic fail-close valve located in the upstream portion of the pipeline at the platform. In addition, the sensors are tied into either the platform's automatic and remote shut-in system or an independent remote shut-in system.**

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9. The pipeline boarding the platform/pipeline is equipped with a check valve.

10. The pipeline leaving the platform is equipped with a check valve. N/A

11. The high-low pressure sensors on the departing pipeline is located upstream of the check valve.

12. Where applicable, high-low sensors are located downstream of the back pressure regulator.

13. If there is liquid injection into the line, are pumps associated with the injection? (Yes or No) _____

14. Direction of flow indicated.

15. Pipe specifications (i.e., size, grade, weight, and wall thickness).

16. Total length of proposed pipeline (feet and miles).

17. MAOP of connecting pipeline. N/A Not Assigned

18. Statement that design meets or exceeds DOT Regulations 192 or 195, as applicable, and/or applicable OCS orders, registered engineer's seal, registration number, date, and signature.

19. Area and block number of proposed pipeline/platform.

20. Cathodic protection specifications.

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

1. Product to be transported: BLKG

2. Pipeline, riser, and subsea valve assembly specifications:

(1) Size 4.5 Wall Thickness .337 Grade B Weight 14.99 lbs/ft.

(2) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.

(3) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.

b. Riser:

(1) Size 4.5 Wall Thickness .337 Grade B Weight 14.99 lbs/ft.

(2) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.

(3) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.

c. Subsea valve assembly:

(1) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.

(2) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.

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3. Water depth: Maximum -28' Minimum -26'

4. Type of corrosion protection:

a. Impressed current system

b. Sacrificial anode system

(1) Type of anode Galvalum III

(2) Spacing interval 500 ft.

(3) Weight of unit anode given by applicant 35 lbs. ea.

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

Yes _____ No _____

d. If pipeline anodes are used:

Formula: $Le_{p/1} = 3.82 \times 10^4 \times W^o/DIR$ = 38200 x 35 / 4.5 x 500 x 9.6 = 624 lbs.

Where:
W^o = Weight of Anode unit (lbs)
D = Dia. of pipe (inches)
I = Separation between anodes (ft.)
R = the following lbs/amp/year (Rate of Consumption)
Aluminum or Galvalum = 7.6 Galvalum III = 9.6
Zinc = 26
Magnesium = 17.5

Does the calculated life expectancy equal or exceed 20 years?

Yes _____ No _____

5. Description of protective coating:

a. Pipeline — 14 mils of Scotchkote 205 epoxy

b. Riser — " " " " " " and 1/2" thick Splashtron in splash zone

c. Subsea valve assembly

N/A 6. Description of weighted coating:

a. Preconcrete coating _____

b. Density of concrete _____ PCF

c. Thickness of concrete _____

d. Thickness of asphalt _____

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

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✓ a. For epoxy coating: $SG = 2.865W/D^2$ $= 2.865 \times 14.99 / 20.25 = 2.12$

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

c. Lines with a specific thickness of concrete:

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

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

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

Where:
- SG = specific gravity
- RC = density of concrete (lb/cu. ft.)
- K_1, K_2, K_3 = coefficients
- T = thickness of concrete coating (inches)
- W = weight of bare pipe (lb/ft)
- P = weight of coating
- R = density of fluid material (lb/cu. ft.); i.e., sea water = 64 lbs/cu. ft.
- D = diameter of pipe (inches)
- A = cross-sectional area

✓ 8. Given specific gravity

a. 2.13 b. _____ c. _____

✓ 9. Gravity or density of product(s) .60

✓ 10. Design capacity of pipeline 10 MMCF/D and 100 BBLS/day

✓ 11. Given Hydrostatic Test Pressure: Line Pipe 2160 psig Hold Time 8 ✓ hrs.

Preinstallation Test _____ Riser 2160 psig 2167 psig Hold Time 8 ✓ hrs.

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

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

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Note: Minimum hold times:

Gas =	**Line Pipe = 8 hrs. Riser = 4 hrs. (pretest) or DOT 192.507(c)**	**Liquid =**	**4 hrs. @ 125% of MOP Plus 4 hrs. @ 110% if leak inspection is not visable during test**

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

MAOP = $\frac{2\,st \times F \times E \times T}{D}$ **Note: F = .72; E = 1; T = 1**

a. MAOP = $\frac{2 \times 35{,}000 \times .337}{4.5} \times .72 = 3{,}774$ Psig

b. MAOP =

c. MAOP =

✓ 13. **MAOP of riser pipe.**

Note: F = .50 for risers on natural gas transmission lines.
Note: F = .60 for risers on liquid pipelines.

a. MAOP = $\frac{2 \times 35{,}000 \times .337}{4.5} \times .50 = 2{,}621$ Psig

b. MAOP =

✓ 14. **MAOP of flanges, fittings, and valves:**

2.4 x ANSI rating = $2.4 \times 600 = 1{,}440$ Psig

✓ 15. **MAOP of proposed pipeline as determined in accordance with Title 49 CFR Part 195 or 192, as applicable, is** 1,440 **psig.**

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

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

_____ $\leq$ 2160 $\leq$ 4980

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

IP @ SMYS = $\frac{2 \times s \times t}{D}$ = 5,242 Psig

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

a. Suomerged components: HTP/1.25 = 1,728 Psig

b. Riser: HTP/1.5 = 1,440 Psig

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N/A 19. Valve guards used: Yes ____ No ____

D. Installation Requirements:

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

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

E. Pipeline Crossings:

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

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

F. Construction Information:

✓ 1. Proposed construction commencement date — August 7, 1987

2. Method of construction

3. Method of burial

✓ 4. Time required to lay pipe — 1 week

✓ 5. Time required to complete project — 2 weeks

G. Applicant complies with current OCS pipeline guidelines:

Yes ✓ No ____

OCS-G 8944

WALTER OIL & GAS CORPORATION

July 6, 1987

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

Attention: Mr. Autry Britton

RE: Application for Pipeline Right-of-Way Dated June 30, 1987 for Walter Oil & Gas Corporation's Proposed 4-1/2 Inch Natural Gas and Condensate Pipeline In and/or Through Blocks 56 and 55, Main Pass Area, Gulf of Mexico, Federal Waters, Offshore, Louisiana

Gentlemen:

Pursuant to the subject application and subsequent telephone conversation between Mr. Autry Britton, MMS and Jack Horton and Connie Goers, WO&GC; the following information is to be added or amended as follows:

A. Change Page 3, Paragraph 6 to read:

"The design of the proposed pipeline is in accordance with Department of the Interior OCS Order No. 9 regulations".

B. Change Page 4, Paragraph 9 to read:

"Total Petroleum's 4-1/2 Inch gas pipeline (OCS-G 7547) that the proposed pipeline will tie into has an assigned MAOP 1440 psig".

C. Add to Page 4 "Walter's Draft/Check No. 32389".

D. Substitute the enclosed six (6) copies of the Schematic dated July 2, 1987, in replacement of Schematic dated June 26, 1987.

E. Reference Walter's estimated start-up date for commencement of project as August 15, 1987.

240 The Main Building, 1212 Main Street, Houston, Texas 77002 (713)659-1221

Should you have any questions or request additional information concerning this matter, please contact Connie J. Goers of this office at (713) 659-1222.

Sincerely,

WALTER OIL & GAS CORPORATION

J. C. Walter III

J. C. Walter, III
Executive Vice President

JCW,III/CJG
Enclosures

OCS-G 8944

WALTER OIL & GAS CORPORATION

June 30, 1987

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

Attention: Mr. Autry Britton

RE: Application for Pipeline Right-of-Way for Walter Oil & Gas Corporation's Proposed 4-1/2 Inch Natural Gas Pipeline In and/or Through Blocks 56 and 55, Main Pass Area, Gulf of Mexico, Federal Waters, 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 Stat. 629), and in compliance with the regulations contained in Title 30 CFR, Part 256, Subpart N, Walter Oil & Gas Corporation is filing this application in triplicate for a right-of-way two hundred feet (200') in width for the construction, maintenance and operation of a 4-1/2 inch O.D. natural gas and condensate pipeline in the Main Pass Area, Gulf of Mexico. Walter Oil & Gas Corporation agrees that said right-of-way, if approved, will be subject to the terms and conditions of said regulations.

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. Vicinity Map, Sheet 1 of 2 (six copies enclosed);

2. Profile and Route Map Sheet 2 of 2 (six copies enclosed);

3. Pipeline Prelay and Cultural Resources Report (three copies enclosed);

4. Schematic, Sketch No. 1 (six copies enclosed); and

5. Pipe Specifications and General Information, Exhibit "B" (six copies enclosed).

Walter Oil & Gas proposes to install one 4-1/2 inch pipeline, approximately 2898.87 feet (0.55 miles) in total length from Walter's Caisson No. 3, Block 56 to a tie-in with Total Petroleum's 4-1/2 inch gas pipeline on Total's pipeline pig receiver caisson located in Block 55, all located in the Main Pass Area. The 4-1/2 inch pipeline will depart Walter's Caisson No. 3, OCS-G 4906, Block 56, Federal Waters Offshore, Louisiana, and proceed in a southwesterly direction approximately 2898.87 feet (0.55 mile) to a tie-in with Total Petroleum's pipeline in Block 55; all being in the Gulf of Mexico, Federal Waters. The pipeline will be installed and maintained as a right-of-way pipeline. Walter proposes to commence pipeline construction as soon as approval is granted. The time required to lay the pipeline is estimated at one (1) week with an overall completion of project time being estimated at two (2) weeks.

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 non-discriminatory access to both owner and non-owner shippers; Sec. 5(f)(2) which may allow exemption of the requirements in Sec. 5(f)(1); Sec. 5(e) addressing the assuring of maximum environmental protection, including the safest practices for pipeline installation; and Sec. 5(f)(1)(B) which may require expansion of throughput capacity of any pipeline except for the Gulf of Mexico or the Santa Barbara Channel.

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

In accordance with applicable regulations, we have delivered a copy of the application and attachments thereto by certified mail, return receipt requested, to each lessee or right-of-way or easement holder whose lease, right-of-way or easement is so affected. A list of such lessees or right-of-way or easement holders is attached (see Exhibit "A") and copies of the return receipts showing date and signature as evidence of service upon such lessees or right-of-way or easement holders will be forwarded to your office when received. In the event we cannot obtain completed return receipt cards, a letter from the lessee or right-of-way or easement holder expressing no objection to the proposed project will be obtained and forwarded to your office. The proposed route of the 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 4, 1984 and revised September, 1984.

Additional design criteria is as follows:

1. Water depth along the route of the proposed pipeline and pipeline relationship to natural bottom is set forth on the attached Profile and Route Map, Sheet 2 of 2.

2. The description of the pipe and coating is as follows:

   a. Line Pipe: 4.5" O.D. x .337" W.T. API 5L Grade B; bare weight = 14.99#/ft. coated with 14 mils of Scotchkote 205 fusion bonded epoxy. Specific gravity in seawater (empty) = 2.13. Welded joints will be protected with heat shrinkable wrap-around pipe sleeves.

   b. Riser Pipe: 4.5" O.D. x .337" W.T. API 5L Grade B; bare weight = 14.99#/ft. coated with 14 miles of Scotchkote 205 fusion bonded epoxy; 1/2" Splashtron in splash zone. Welded joints will be protected with heat shrinkable wrap-around pipe sleeves.

   c. Internal Coating: The analysis of transported products will be monitored and preventive measures such as pigging and/or inhibiting will be employed as necessary.

3. Valves and Flanges: All valves and flanges will be ANSI 600# Class or greater with a designed working pressure of 1440 psig.

4. The specific gravity of the product being transported is anticipated to be .6 (air = 1.0), T = 75 F.

5. Weight, type and spacing of anodes to be used as corrosion protection are shown on the attached Sketch No. 1. The life expectancy of the proposed pipeline is twenty (20) years. The sacrificial 35# anodes are designed for twenty (20) year life and are to be replaced as necessary to extend the life of the pipeline.

6. The design of the proposed pipeline is in accordance with the "Minimum Federal Safety Standards" (Department of Transportation) Title 49 CFR, Part 192.

7. Maximum Allowable Operating Pressure (MAOP) = 1440 psig.
   Maximum Capacity: Design Capacity = 10 MMCF/D and 100 Bbls. liquid per day.
   Maximum Operating Pressure: High Sensor Setting = 1200 psig. Maximum Operating Pressure: Low Sensor Setting = 850 psig.

   a. Calculations: See Attached Exhibit "B".

8. The producer's facilities are rated for 1440 psig working pressure.

9. Total Petroleum's 4-1/2 Inch gas pipeline (OCS-G 1689) that the proposed pipeline will tie into has an assigned MAOP of 1440 psig.

An originally signed copy of Non-Discrimination in Employment Stipulation is attached to each copy of the application. Draft/Check No. _____ in the amount of $115.00 of which $100.00 covers the application fee and the $15.00 covers the first year's rental on 0.55 mile of right-of-way is also attached.

The Company contact on technical points or other information is:

Jack Horton, Production Engineer
Walter Oil & Gas Corporation
1212 Main Street, Suite 240
Houston, Texas 77002
Telephone: (713) 659-1222

Walter Oil & Gas Corporation hereby agrees to keep open at all reasonable times for inspection by Minerals Management Service the area covered by this right-of-way and all improvement, structures and fixtures thereon and all records relative to the design, construction, operations, maintenance and repairs, or investigations on or with regard to such area.

Please refer to your New Orleans Miscellaneous No. 730 for a copy of a resolution approved by the Board of Directors authorizing the undersigned to sign for and on behalf of Walter Oil & Gas Corporation.

If the above meets with your approval, we would appreciate your rendering the necessary decision for the right-of-way at your earliest convenience. Inquiries concerning this application should be directed to Mr. Jack Horton at (713) 659-1222.

Sincerely,

WALTER OIL & GAS CORPORATION

J. C. Walter III

J. C. Walter, III
Executive Vice President

JCW,III:CJG
Enclosures

cc: Chevron Pipeline Company
935 Gravier Street
New Orleans, Louisiana 70112
Attention: Mr. George E. Jones
Certified Mail No. P 560 141 286

Southern Natural Gas Company
P. O. Box 2563
Birmingham, Alabama 35202
Attention: Mr. Edwin M. Schoel
Certified Mail No. P 560 141 287

Total Petroleum, Inc.
2950 One Allen Center
Houston, Texas 77002
Attention: Mr. Ward M. Clark
Certified Mail No. P 560 141 288

Mobil Oil Exploration & Producing Southeast, Inc.
1250 Poydras Building
New Orleans, Louisiana 70113
Attention: Offshore Land Manager
Certified Mail No. P 560 141 289

PIPELINE SUMMARY

1. Line Pipe Specifications :

O.D.	W.T.	Grade	Length	MAOP
4.5"	.337"	API 5L B	2898.87'	1440 psig

2. Riser Pipe Specifications:

O.D.	W.T.	Grade	Length	MAOP
4.5"	.337"	API 5L B	132'	1440 psig

3. Line Pipe:

Thin film epoxy.

4. Existing Total Petroleum's PipeLine:

O.D.	W.T.	Grade	MAOP	MOP
4.5"	.337"	API 5L B	1440 psig	1440 psig

5. Name of Product:

Natural gas, condensate and water.

6. Class Location:

Class I

7. Governing Code:

Part 192, Title 49 of the Code of Federal Regulations.

EXHIBIT "A"

The following Lessees and Right-of-Way Holders on even date with this application were furnished a copy of this application by Certified Mail, Return Receipt Requested (Note: The status of the block(s) listed below was current as of June 30, 1987 per Debbie Armond, MMS and Mary Holmes, MMS in telephone conversation with Connie J. Goers, WO&GC).

MAIN PASS AREA

Block 55

Open		Oil & Gas Lease
Chevron Pipeline Company	OCS-G 1380	Right-of-Way
Southern Natural Gas Company	OCS-G 1906	Right-of-Way
Total Petroleum, Inc.	OCS-G 7541	Right-of-Way
Total Petroleum, Inc.	OCS-G 7547	Right-of-Way
Walter Oil & Gas Corporation	OCS-G 8618	Right-of-Way

Block 56

Mobil Oil Exp. & Prod. SE, Inc.	OCS-G 4906	Oil & Gas Lease
Chevron Pipeline Company	OCS-G 1380	Right-of-Way
Southern Natural Gas Company	OCS-G 1906	Right-of-Way
Total Petroleum, Inc.	OCS-G 7541	Right-of-Way
Total Petroleum, Inc.	OCS-G 7547	Right-of-Way
Walter Oil & Gas Corporation	OCS-G 8618	Right-of-Way

EXHIBIT "B"

GENERAL INFORMATION AND CALCULATIONS

1. The water depth along the proposed pipeline route and in relationship to natural bottom is set forth on the attached Profile and Route Map, Sheet 2 of 2.

2. The description of the pipeline and coating is as follows:

   a. Line Pipe: 4.5" O.D. x .337" W.T. API 5L Grade B seamless. Bare Weight = 14.99#/ft. Coated with 14 mils of Scotchkote 205 fusion bonded epoxy. Specific gravity in seawater (emptry) = 2.13. Welded joints will be protected with heat shrinkable sleeves.

   b. Riser Pipe: 4.5" O.D. x .337" W.T. API 5L Grade B seamless. Bare weight = 14.99#/ft. Coated with 14 mils of Scotchkote 205 fusion bonded epoxy. Welded joints will be protected with heat shrinkable pipe sleeves.

   c. Internal Coating: The analysis of transported products will be monitored and preventive measures will be employed as necessary.

3. The proposed pipeline is approximately 2898.87 feet (0.55 miles) in total length, being located in Federal Waters, Offshore, Louisiana. The proposed length does not include the +/- 132 feet of riser piping on the caissons. The pipeline will transport natural gas, condensate and water.

4. Valves and Flanges: All valves and flanges will be 600# ANSI Class or greater with a designed working pressure of 1440 psig.

5. The design of the proposed pipeline is in accordance with the "Minimum Federal Safety Standards" (Department of Transportation) Title 49 CFR, Part 192.

6. The cathodic protection system for the pipeline will use Galvalum III or Sealloy 150 tapered semi-cylindrical bracelet anodes. Calculations are as follows:

   a. Anticipated line life is 20 years.

   b. Assumed maximum of 2% bare pipe.

   c. Current 5 MA/sq. ft.

   d. 9.6#/amp year.

   e. Anode spacing calculations:

      Area/Mile = 5280 ft./mi/ x 3.14 x (4.5)/12 ft.
      = 6217.2 sq.ft./mi.

Amps = 6217.2 sq. ft./mi. x .02 x .005 A/sq. ft.
= .622 amps/mi.

Line life = .622 A/mi. x 20 = 12.44 amp yr./mi.

#/mile = 12.44 amp yr./mi. x 9.6#/amp yr.
= 119.4#/mile

Anode spacing = (119.4#/mi.)/35# = 3.41/mi., 1548 ft.

Use one (1) 35# every 500 feet (3:1 safety factor).

7. The design pressure for the line pipe and riser:

a. Riser:

t = PD/2S
= 1440 x 4.5/2 x 21,000
= .154 + 1/16" C.A.
= .217

P = internal design pressure = 1440 psi
t = wall thickness, inches
S = SMYS x .6 = 21,000
D = nominal outside diameter = 4.5"

Use 4.5" O.D. x .337" W.T. API 5L Grade B seamless.

Hydrostatic test pressure:

In accordance with API RP 14E

HTP = 1.5 x MAOP
= 1.5 x 1440 = 2160 psig

b. Line Pipe:

t = PD/2S
= 1440 x 4.5/2 x 25,200
= .129 + 1/16" C.A.
= .192

P = internal design pressure = 1440 psig
t = wall thickness, inches
S = SMYS x .72 = 25,200
D = nominal outside diameter = 4.5"

Use 4.5" O.D. x .337" W.T. API 5L Grade B seamless.

Hydrostatic test pressure:

In accordance with API RP 1111

HTP = 1.25 x MAOP + external pressure
= 1.25 x 1440 + 27 x (1.02)/2.31
= 1812 psig (use 2160 psig - same as riser)

8. The pipeline will be hydrostatic pressure tested from riser to riser. The hydrostatic test will be conducted in accordance with applicable regulations. The test duration will be eight (8) hours at 1.5 times the MAOP. The test medium will be inhibited seawater. The test pressure is less than 90% of the hoop stress using the steel's SMYS.

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

   The line pipe weights 14.99 lbs./LF

   The pipe displaces D /4 x 12/1728 x 62.4 x 1.02 = 7.03 lbs. water/ft.

   Specific gravity flowline = 14.99/7.03 = 2.13

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

10. The design capacity of the pipeline is approximately 10 MMSCFD and 100 Bbls. liquid per day.

11. The proposed pipeline will tie-in to Total Petroleum's 4-1/2 Inch gas pipeline on their caisson located in Main Pass Block 55.

12. Overpressuring of the pipeline shall be prevented by two methods. First, the platform shall have relief valves installed on their pressure sources which are set at or below the maximum rated pipeline pressure. Second, the platform shall have both high and low limits on all pressure monitoring. High limits shall be set no higher than 5% below the relief valve setting. Low limits shall be set no lower than 10% below the operating pressure. The effect of any pressure exceeding either limit will be the automatic and orderly shutdown of all pressure sources on the platform.

UNITED STATES
DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE

NON-DISCRIMINATION IN EMPLOYMENT

As a condition precedent to the approval of the granting of the subject pipeline right-of-way, the grantee, Walter Oil & Gas 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.

WALTER OIL & GAS CORPORATION

J. C. Walter III

J. C. Walter, III
Executive Vice President

June 30, 1987
Date

COASTAL ZONE MANAGEMENT
CONSISTENCY CERTIFICATION

I hereby certify that the proposed activity described in this application complies with Louisiana's and Mississippi's approved Coastal Zone Management Programs and will be conducted in a manner consistent with such Program.

WALTER OIL & GAS CORPORATION

J. C. Walter III

J. C. Walter, III
Executive Vice President

June 30, 1987
Date

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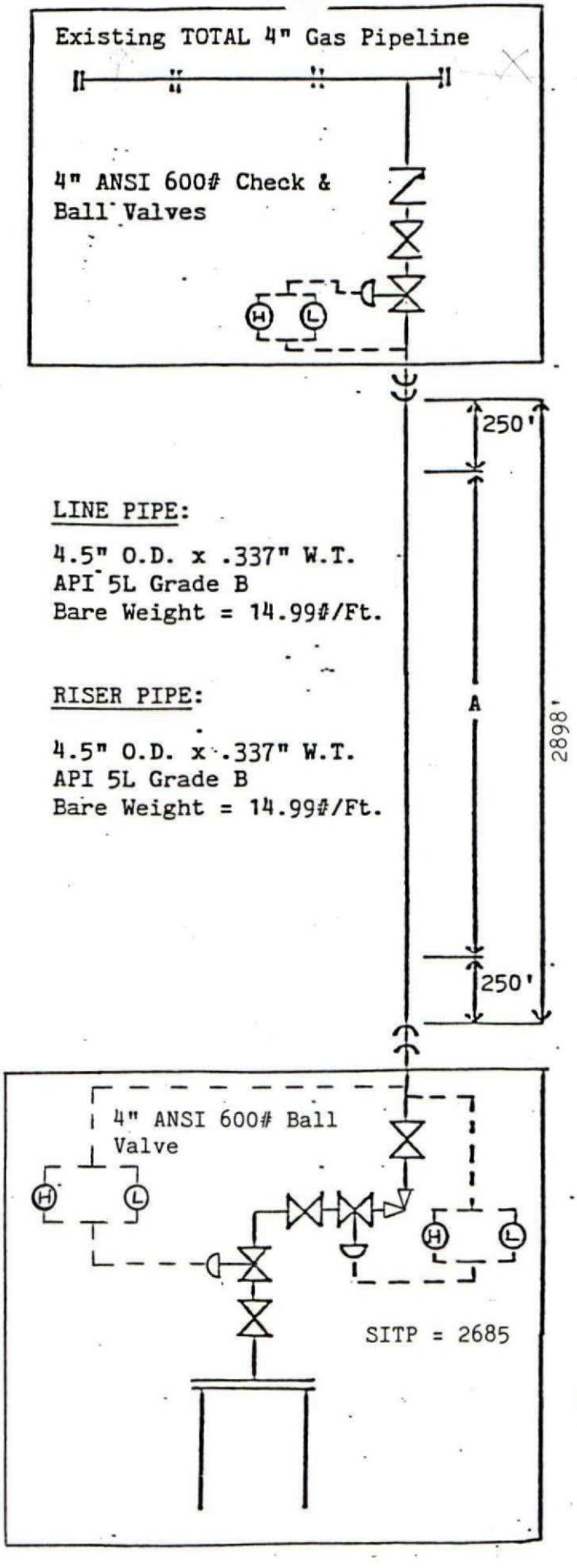

LINE PIPE:

4.5" O.D. x .337" W.T.
API 5L Grade B
Bare Weight = 14.99#/Ft.

RISER PIPE:

4.5" O.D. x .337" W.T.
API 5L Grade B
Bare Weight = 14.99#/Ft.

TOTAL PETROLEUM, INC.
Main Pass Block 55
Pipeline Caisson

GENERAL NOTES

1. WALTER OIL & GAS Pipeline complies with DOT Title 49, Part 192 & OCS Order No. 9
2. WALTER OIL & GAS Well No. 3 Caisson complies with OCS Order No. 5
3. High Pressure Sensor will be set at 1200psi
4. Low Pressure Sensor will be set at 900 psi
5. Design Pressure of the Pipeline is 1440psi
6. WALTER OIL & GAS Well No. 3 Caisson Facilities comply with API 14E regulations

A = Sacrificial Anodes 35# Galvalum III or equivalent, spacing at 500' maximum

REGISTERED PROFESSIONAL ENGINEER
STATE OF TEXAS NO. 20710

Gordon Talk

Gordon Talk

WALTER OIL & GAS CORPORATION
Main Pass Block 56
Caisson No. 3

WALTER OIL & GAS CORPORATION

SCHEMATIC FOR 4.5" O.D. NATURAL GAS, CONDENSATE AND WATER PIPELINE TO BE INSTALLED FROM MAIN PASS BLOCK 56 TO MAIN PASS BLOCK 55 ....

DATED: 06-26-87

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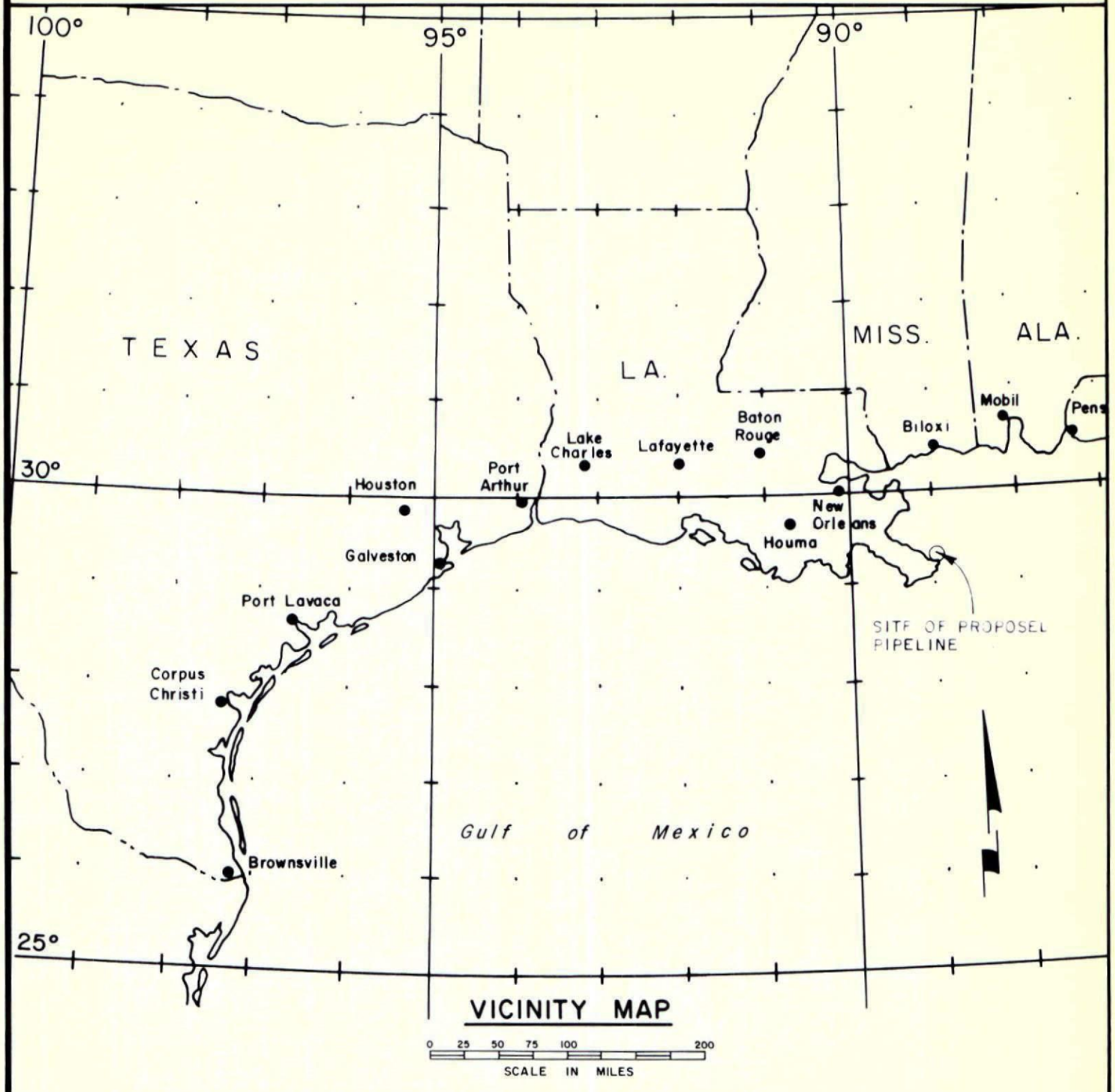

VICINITY MAP

APPLICATION BY
WALTER OIL & GAS COMPANY
HOUSTON, TEXAS
JUNE 26, 1987

PROPOSED 4 1/2" GAS CONDENSATE P/L

MAIN PASS AREA

GULF OF MEXICO

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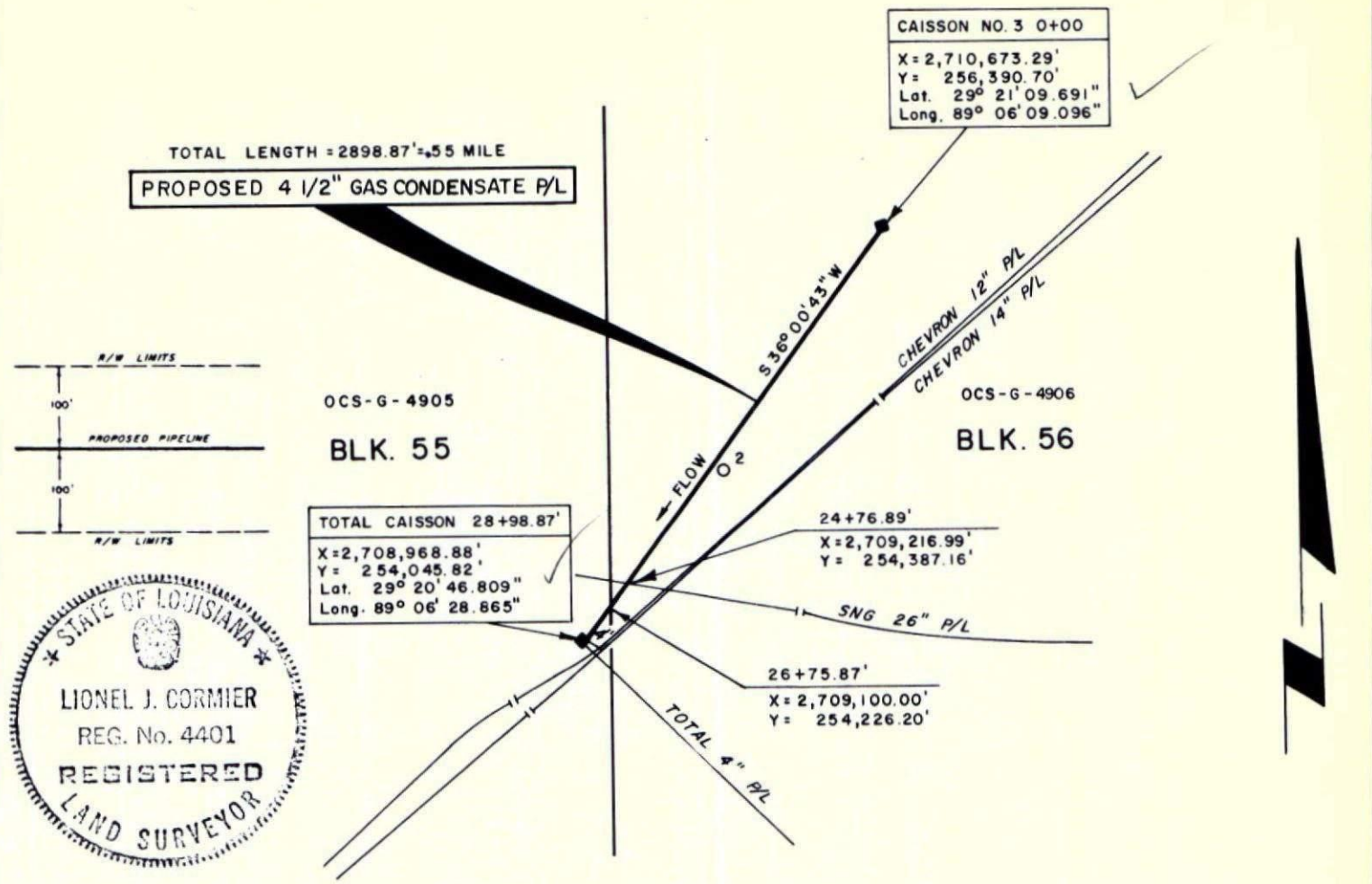


STATE OF LOUISIANA
LIONEL J. CORMIER
REG. No. 4401
REGISTERED
LAND SURVEYOR

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

Lionel J. Cormier

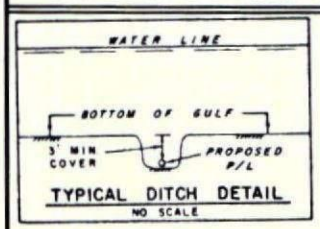
REGISTERED LAND SURVEYOR NO. 4401
STATE OF LOUISIANA
JOHN E. CHANCE & ASSOCIATES, INC.

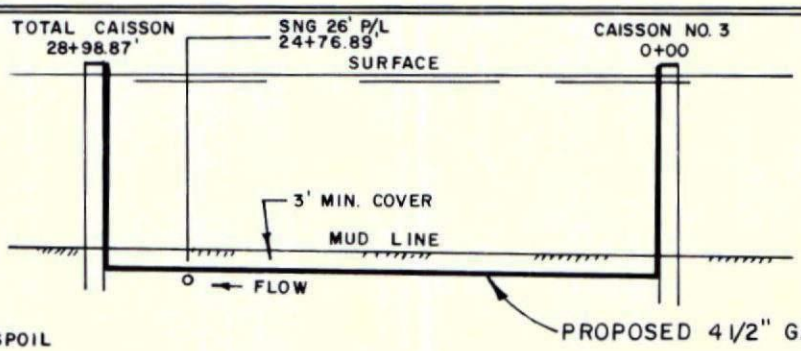
PLAN

1000 500 0 1000 FT.
SCALE

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

Gordon Falk
AREA ENGINEER





APPROX. 966 CUBIC YARDS OF SPOIL

SPOIL TO BE DEPOSITED SO AS NOT TO REDUCE WATER DEPTH MORE THAN 0.5 FOOT.

PROFILE

0 500 1000 FT.
HOR. SCALE

0 10 20 30 FT.
VERT. SCALE

APPLICATION BY
WALTER OIL & GAS COMPANY
HOUSTON, TEXAS
JUNE 26, 1987

PROPOSED 4 1/2" GAS CONDENSATE P/L

MAIN PASS AREA
GULF OF MEXICO