



WALTER OIL & GAS CORPORATION

File SW 9263

September 30, 1998



copy to ARN

Mr. Don Howard
Regional Supervisor
Office of Field Operations
U. S Department of the Interior
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, Louisiana 7012-2394

Attention: Mr. Alex Alvarado
Unit Supervisor

Re: Actual Relinquished and Abandoned In-Place Procedure
4.500" Gas/Condensate Right-of-Way Pipeline
Installed In and Through Blocks 254, 258 and 259
West Cameron Area, Offshore, Louisiana
Gulf of Mexico, OCS Federal Waters
Segment No.: 9263, ROW OCS-G No.: 12697

Gentlemen:

In accordance with the conditions of Minerals Management Service's approval letter dated June 8, 1998 to "Relinquish and Abandon In-Place" the above referenced pipeline, please be advised that the pipeline was abandoned in-place effective July 25, 1998.

Walter Oil & Gas Corporation's representative aboard the jack-up boat, Grand, arrived on location on July 3, 1998 to commence pipeline abandonment operations as approved. Abandonment operations were as follows:

1. Moted out boat to Stingray's 36" SSTI in West Cameron Block 258. Jumped divers and located SSTI. Closed the 4" ANSI 900 ball valve on the SSTI to 3/4 close position.
2. Moted pipeline pumps to Walter's Platform "A" in West Cameron Block 254. Hooked up pipeline pumps to 4-1/2" riser. Installed 4-1/2" pig.
3. Flushed pipeline with seawater.

ok
10/21/98
18
copy to minerals

Page Two

Actual Relinquished and Abandoned In-Place Procedure

4.500" Gas/Condensate Right-of-Way Pipeline

Installed In and Through Blocks 254, 258 and 259

West Cameron Area, Offshore, Louisiana

Gulf of Mexico, OCS Federal Waters

Segment No.: 9263, ROW OCS-G No.: 12697

4. Jumped divers over SSTI. Closed 4" ball valve. Bled pipeline down at West Cameron Block 254 platform. Removed check valve bypass assembly, misalignment flange, swivel flange and 50' of 4-1/2" pipeline from the SSTI.
5. Installed tap flange with 1/2" needle valve on Stingray's 4" ball valve. Installed plumbers plug in 4-1/2" pipeline. Reburied end of pipeline to 3' BML. Installed sand bags on end of line and on SSTI.
6. Cut 4-1/2" pipeline at West Cameron 254 platform. Removed tube turn and 10' of 4-1/2" pipeline. Installed plumbers plug. Reburied to 3' BML.
7. Demobed from location.

Should you have any questions or need additional information, please contact Judy Archer or the undersigned at (713) 659-1222.

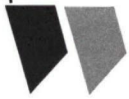
Very truly yours,

WALTER OIL & GAS CORPORATION



Judy Archer
Regulatory/Environmental Coordinator

cc: MMS Lake Jackson District Office



WALTER OIL & GAS CORPORATION

59263



June 18, 1998

Mr. Don Howard
Regional Supervisor
Office of Field Operations
U. S Department of the Interior
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, Louisiana 7012-2394

Approval hereby granted

Date June 24, 1998

J. R. Howard
~~for~~ Donald C. Howard
Regional Supervisor
Field Operations *DC*

Attention: Mr. Alex Alvarado
Unit Supervisor

Re: Application to Relinquish and Abandon In-Place
4.500" Gas/Condensate Right-of-Way Pipeline
Installed In and Through Blocks 254, 258 and 259
West Cameron Area, Offshore, Louisiana
Gulf of Mexico, OCS Federal Waters
Segment No.: 9263, ROW OCS-G No.: 12697

Gentlemen:

In accordance with the regulations contained in Title 30 CFR, Part 250 and Notices to Lessees 85-8, Walter Oil & Gas Corporation (Walter) submitted an application, in quadruplicate, for your review and approval to abandon in-place that certain pipeline, designated as Segment No. 9263, granted to Walter by the Minerals Management Service on January 24, 1991.

This application was approved by your office by letter dated June 8, 1998 and stipulated that the pipeline is to be abandoned within 60 days from the date of approval. Walter respectfully requests an extension to this 60 days until October, 1998. Walter plans to perform said operations sometime between this date and September, 1998.

Should you have any questions or need additional information, please contact the undersigned at (713) 659-1222.

Very truly yours,
WALTER OIL & GAS CORPORATION

Judy Archer

Judy Archer
Regulatory/Environmental Coordinator

9263

*on mfb
7/1/98
fu*



WALTER OIL & GAS CORPORATION

BEST AVAILABLE COPY

June 18, 1998

Mr. Don Howard
Regional Supervisor
Office of Field Operations
U. S Department of the Interior
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, Louisiana 7012-2394

Attention: Mr. Alex Alvarado
Unit Supervisor

Re: Application to Relinquish and Abandon In-Place
4.500" Gas/Condensate Right-of-Way Pipeline
Installed In and Through Blocks 254, 258 and 259
West Cameron Area, Offshore, Louisiana
Gulf of Mexico, OCS Federal Waters
Segment No.: 9263, ROW OCS-G No.: 12697



Gentlemen:

In accordance with the regulations contained in Title 30 CFR, Part 250 and Notices to Lessees 85-8, Walter Oil & Gas Corporation (Walter) submitted an application, in quadruplicate, for your review and approval to abandon in-place that certain pipeline, designated as Segment No. 9263, granted to Walter by the Minerals Management Service on January 24, 1991.

This application was approved by your office by letter dated June 8, 1998 and stipulated that the pipeline is to be abandoned within 60 days from the date of approval. Walter respectfully requests an extension to this 60 days until October, 1998. Walter plans to perform said operations sometime between this date and September, 1998.

Should you have any questions or need additional information, please contact the undersigned at (713) 659-1222.

Very truly yours,
WALTER OIL & GAS CORPORATION

Judy Archer
Regulatory/Environmental Coordinator

SN 9263

Donald V 6/1/98

In Reply Refer To: MS 5232

JUN 08 1998

Mr. C. J. Looke, III
Walter Oil & Gas Corporation
1100 Louisiana, Suite 200
Houston, Texas 77002-6605

Dear Mr. Looke:

Pursuant to 30 CFR 250.150(b), the relinquishment of the right-of-way grant associated with the following pipeline is hereby accepted effective March 25, 1998:

<u>Pipeline Segment No.</u>	<u>Size (inches)</u>	<u>Length (feet)</u>	<u>Service</u>	<u>From</u>	<u>To</u>
9263 (Right-of-Way OCS-G 12697)	4 1/2	9,116	Gas/ Condensate	Platform A Block 254 West Cameron Area Lease OCS-G 7608	A 36-inch SSTI Block 258 West Cameron Area Lease OCS-G 11780 Segment No. 7358

Your letter dated March 18, 1998, requests approval to permanently abandon in place approximately 9,116 feet (1.73 miles) of 4 1/2-inch pipeline designated as Segment No. 9263, and to relinquish in its entirety, Right-of-Way Grant OCS-G 12697 associated therewith.

Pursuant to 30 CFR 250.4(b), approval is hereby granted to abandon this pipeline, and in accordance with 30 CFR 250.159(c), the requirement that the pipeline be removed is hereby waived. However, in the future, should it be determined that this abandoned pipeline constitutes a hazard to navigation or commercial fishing operations or unduly interferes with the other uses of the Outer Continental Shelf, Walter Oil & Gas Corporation shall be required to remove it.

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

Sincerely,

(Org.Sgd.) J. R. Hennessey

Donald C. Howard
Regional Supervisor
Field Operations

bcc: 1502-01 Segment No. 9263, ROW OCS-G 12697 (MS 5232)
1502-01 ROW OCS-G 12697 (Microfilm) (MS 5033)
MS 5232 (Carto)

Dizon:amm:6/1/98:Walter.263

on msf
6/17/98
K



DF

March 18, 1998

Mr. Don Howard
Regional Supervisor
Office of Field Operations
U. S Department of the Interior
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, Louisiana 7012-2394



Attention: Mr. Alex Alvarado
Unit Supervisor

Re: Application to Relinquish and Abandon In-Place
4.500" Gas/Condensate Right-of-Way Pipeline
Installed In and Through Blocks 254, 258 and 259
West Cameron Area, Offshore, Louisiana
Gulf of Mexico, OCS Federal Waters
Segment No.: 9263, ROW OCS-G No.: 12697

Gentlemen:

In accordance with the regulations contained in Title 30 CFR, Part 250 and Notices to Lessees 85-8, Walter Oil & Gas Corporation (Walter) respectfully submits, in quadruplicate, for your review and approval to abandon in-place that certain pipeline, designated as Segment No. 9263, granted to Walter by the Minerals Management Service on January 24, 1991.

Walter installed the 4.500" gas/condensate pipeline, 9116' in length, in April, 1991. The pipeline originates at Walter's Platform "A" in Block 254 and terminates at a SSTI with Stingray Pipeline Company's 36" pipeline (OCS-G 2122C) in Block 258, all being located in the West Cameron Area, Offshore, Louisiana.

Walter proposes to "abandon in-place" the pipeline, approximately 9116', from Walter's Platform "A" (Coordinates: X=1,411,249', Y=132,397' in Block 254 to Stingray's SSTI (Coordinates: X=1,405,813', Y=125,083') in Block 258, all being located in the West Cameron Area.

1. Mobe out dive boat to Stingray's 36" SSTI in West Cameron Block 258. Jump divers and locate SSTI. Close the 4" ANSI 900 ball valve on the SSTI to 3/4 close position.
2. Mobe pipeline pumps to Walter's Platform "A" in West Cameron Block 254. Hook up pipeline pumps to 4-1/2" riser. Install 4-1/2" pig.

Page Two

Application to Relinquish and Abandon In-Place
4.500" Gas/Condensate Right-of-Way Pipeline
Installed In and Through Blocks 254, 258 and 259
West Cameron Area, Offshore, Louisiana
Gulf of Mexico, OCS Federal Waters
Segment No.: 9263, ROW OCS-G No.: 12697

3. Flush pipeline with seawater. Monitor bbls pumped and pressure for 4-1/2" pig displacement to the SSTI 4-1/2" pipeline valve.
Line displacement: 9115' x .01522 bbls/lin. ft. = 138 bbls total capacity
4. Jump divers over SSTI. Close 4" ball valve. Bleed pipeline down at West Cameron Block 254 platform. Remove check valve bypass assembly, misalignment flange, swivel flange and 50' of 4-1/2" pipeline from the SSTI.
5. Install tap flange with 1/2" needle valve on Stingray's 4" ball valve. Install plumbers plug in 4-1/2" pipeline. Rebury end of pipeline to 3' BML. Install sand bags on end of line and on SSTI.
6. Cut 4-1/2" pipeline at West Cameron 254 platform. Remove tube turn and 10' of 4-1/2" pipeline. Install plumbers plug. Rebury to 3' BML.
7. Demobe from location.

Walter will mobilize a dive boat to perform the above procedure. The duration of the proposed operations should take approximately two to three days. Walter will utilize an on-shore base in Cameron, Louisiana. Walter would like to commence operations on/or before May 1, 1998; therefore, your earliest review and approval of this request would be appreciated.

Enclosed for your information are three copies of the "As-Built" pipeline drawing and riser details at platform drawing.

Should you have any questions or need additional information, please contact Judy Archer or the undersigned at (713) 659-1222.

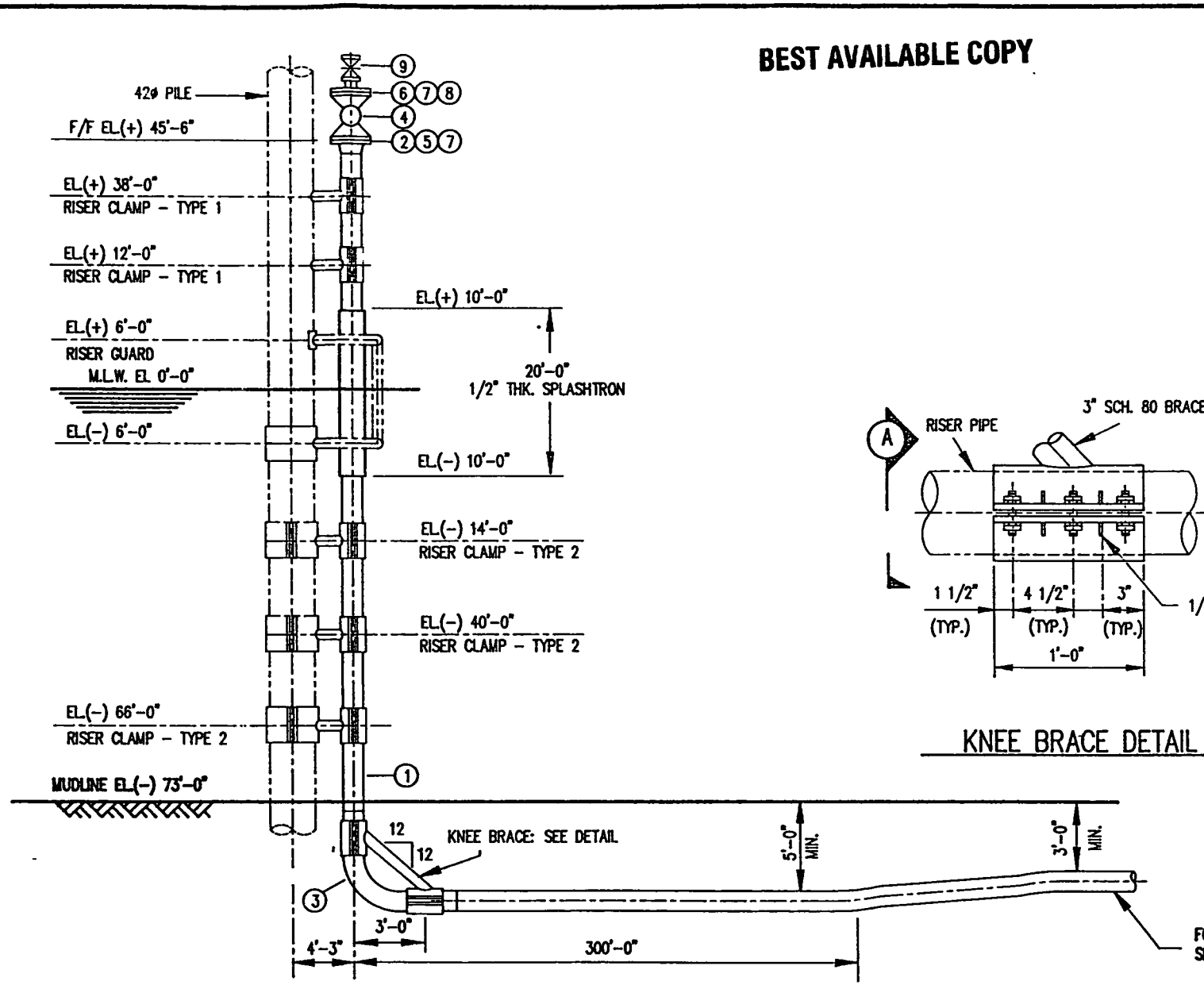
Very truly yours,
WALTER OIL & GAS CORPORATION



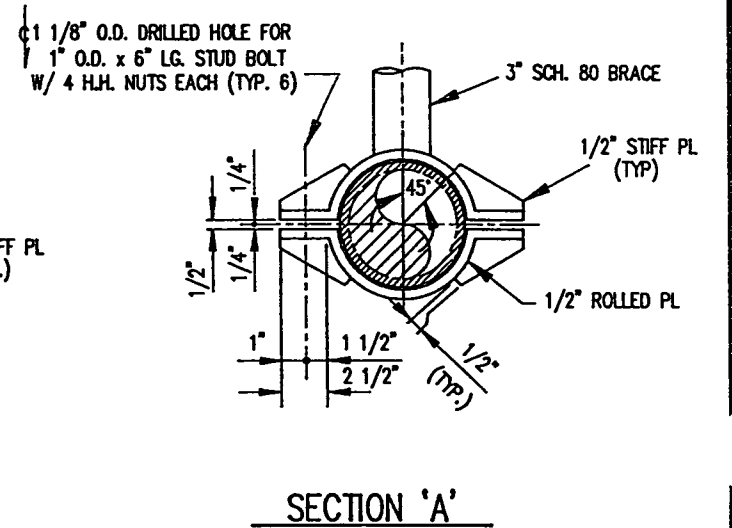
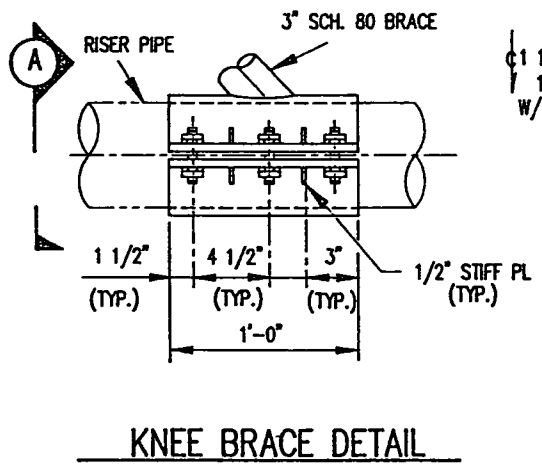
C. J. Looke, III
Vice President
CJL,III:ja

enclosures

BEST AVAILABLE COPY



BILL OF MATERIALS		
ITEM	QTY.	DESCRIPTION
1.	130'-0"	PIPE: 4" SCH. 80 BORE, ASTM-A106 GR. B, SMLS
2.	1	FLANGE: 4" ANSI 600# RTJ WN, SCH. 80 BORE, A-105
3.	1	FABRICATED PIPE BEND: 4" SCH. 80 BORE, 5-R 90° WITH 5'-0" TANGENTS BOTH ENDS, BEVELED BOTH ENDS, A-106 GR. B
4.	1	BALL VALVE: 4" ANSI 600# RTJ, SCH. 80 Fx F, FULL OPEN, CAMERON.
5.	8	STUD BOLTS: 7/8" O.D. x 6" LONG, B-7 ALLOY STEEL WITH 2 H.H. NUTS EACH, IMF3 COATED OR EQUAL
6.	8	STUD BOLTS: 7/8" O.D. x 7" LONG, B-7 ALLOY-STEEL WITH 2 H.H. NUTS EACH, IMF3 COATED OR EQUAL
7.	2	RING GASKET: 4" ANSI 600# R-37, S.S.
8.	1	INSULATING FLANGE KIT: 4" ANSI 600# RTJ
9.	1	NEEDLE VALVE: 1/2" 3600 PSI, M x F, 31/26 S.S.

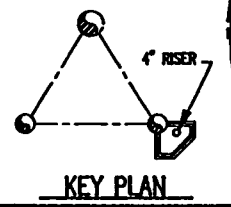


FOR CONT. & PIPELINE BILL OF MATERIALS SEE DRAWING NO. 551-SK-010

OCT 04 1990

NOTES

- CONTRACTOR TO FIELD VERIFY LENGTH OF RISER & ELEVATION OF CLAMPS.
- FOR RISER CLAMPS SEE DRAWING NO. 551-C-301 & 551-C-302



NO.	DATE	REVISION	BY



CONTINENTAL ENGINEERING & CONSTRUCTION SERVICES, INC.

LAFAYETTE, LOUISIANA

CLIENT: WALTER OIL & GAS CORPORATION

PROJECT: DETAIL FOR 4 1/2" O.D. RISER

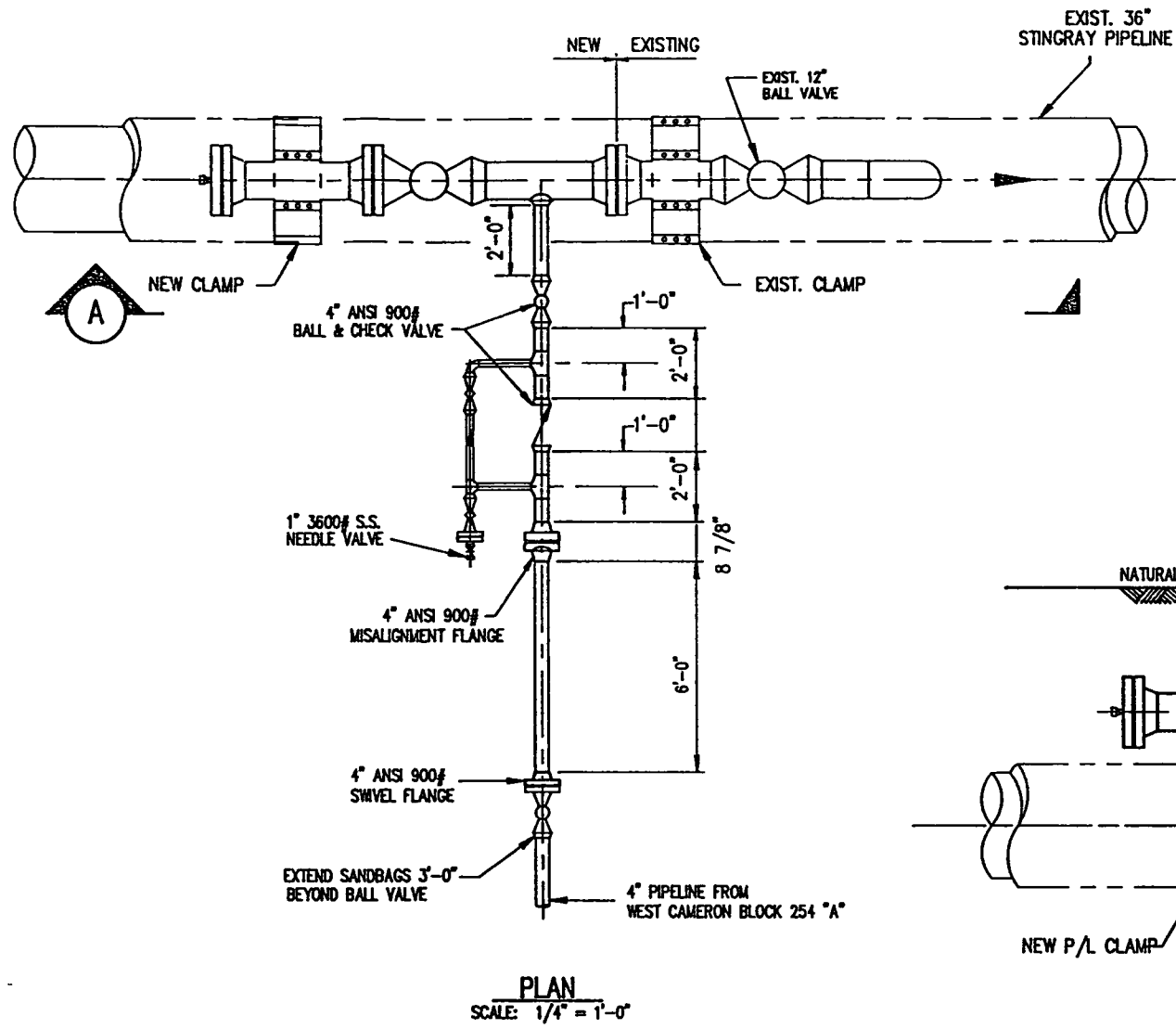
DRAWING NO. 551-R-201

DATE: 9-25-90

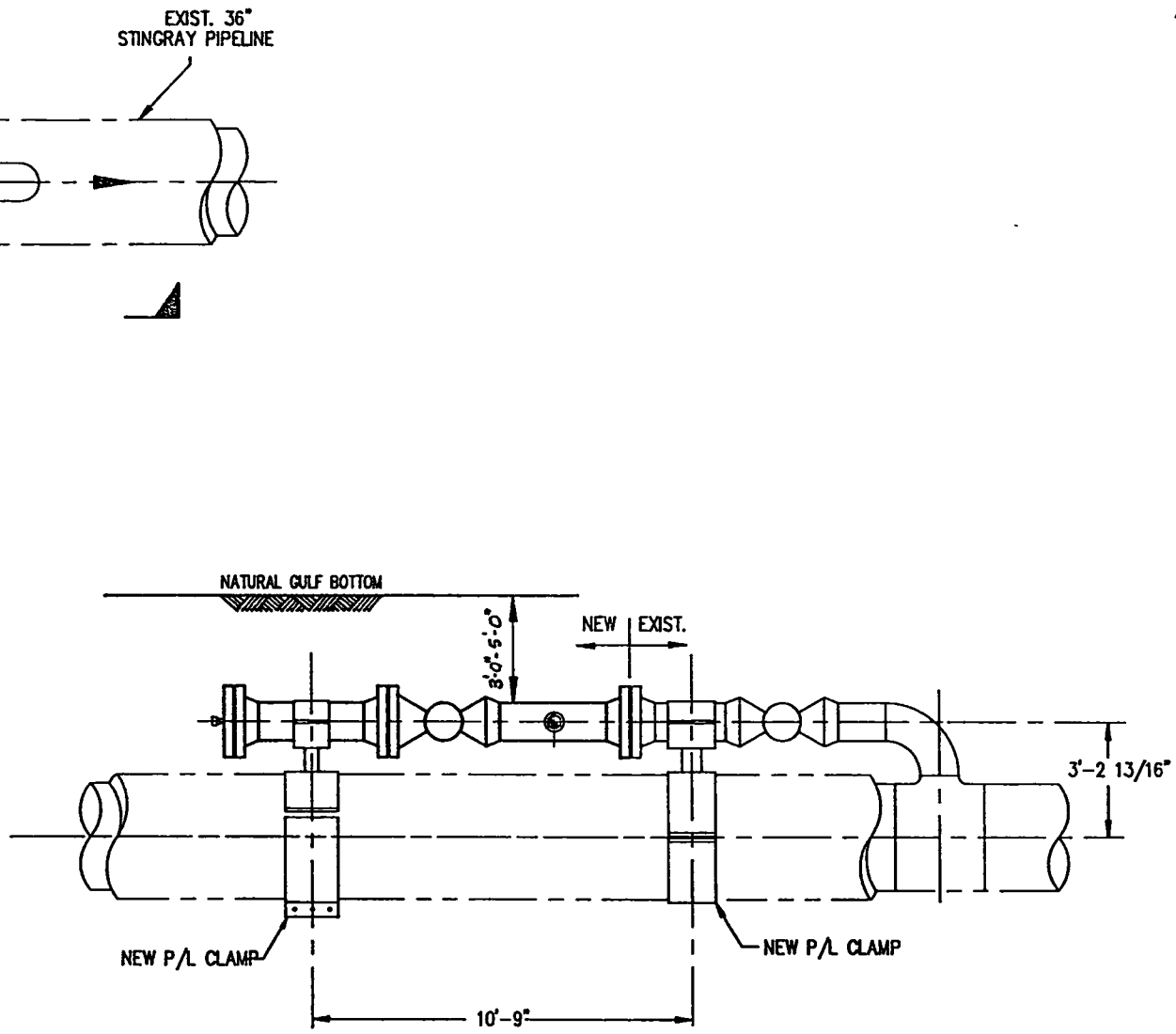
SCALE: N.T.S.

DESIGNED BY: J. L. ...

CHECKED BY: ...



PLAN
SCALE: 1/4" = 1'-0"



SECTION 'A'
SCALE: 1/4" = 1'-0"

OCT 04 1990

NOTES:

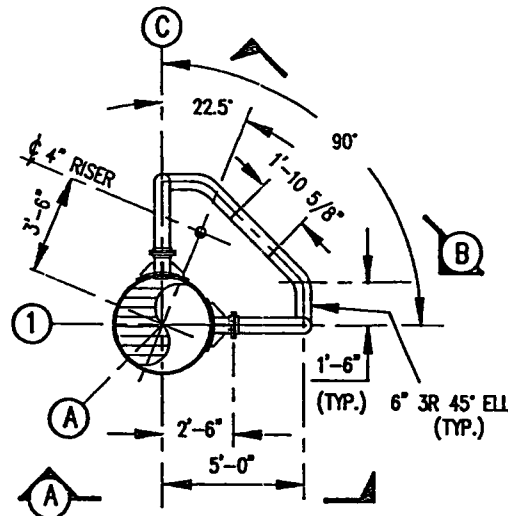
1. BACKFILL ALL EXCAVATION WITH SANDBAGS (SAND ONLY) TO CLOSE THE HOLE TO THE BOTTOMS NATURAL CONTOUR.
2. SANDBAGS OF CEMENT AND SAND MIXTURE ARE TO BE USED TO SUPPORT NEW VALVES.

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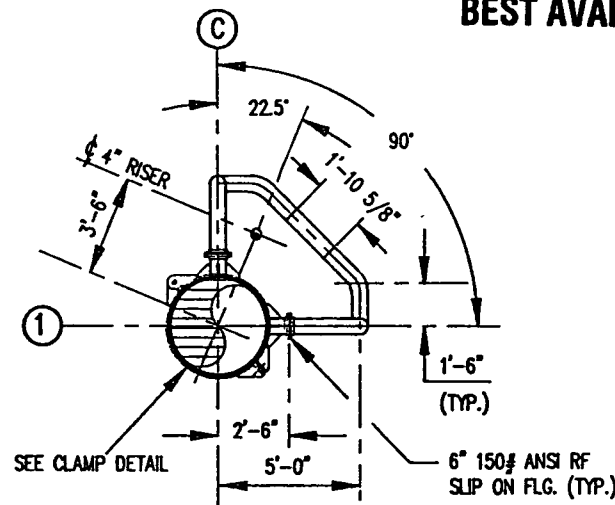


CONTINENTAL ENGINEERING & CONSTRUCTION SERVICES, INC.		LOUISIANA	
LAFAYETTE	CLIENT	WALTER OIL & GAS CORP.	
BRANCH OFFICE	PROJECT NO.	4 SUBSEA TIE-IN TO 36" STINGRAY P/L	
NEW LOCATION	DESIGN NO.	WEST CAMERON BLOCK 258	
DRAWN BY	CHECKED BY	SCALE	DATE
J. Lattolada	[Signature]	NOTED	9-24-80
		BLOCK	651-SK-002

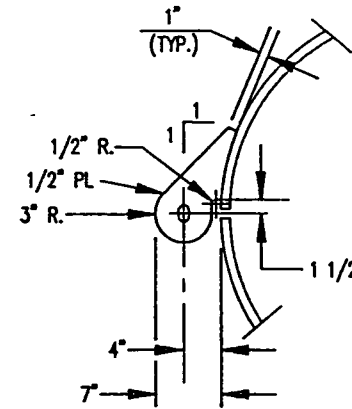
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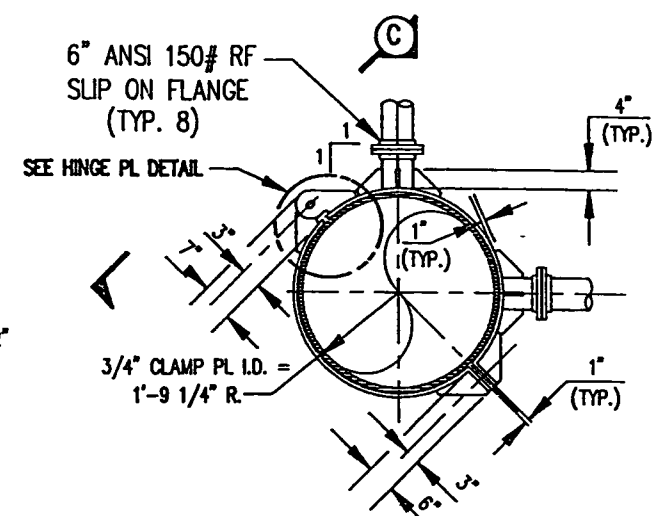
UPPER PLAN
SCALE --- 3/16" = 1'-0"



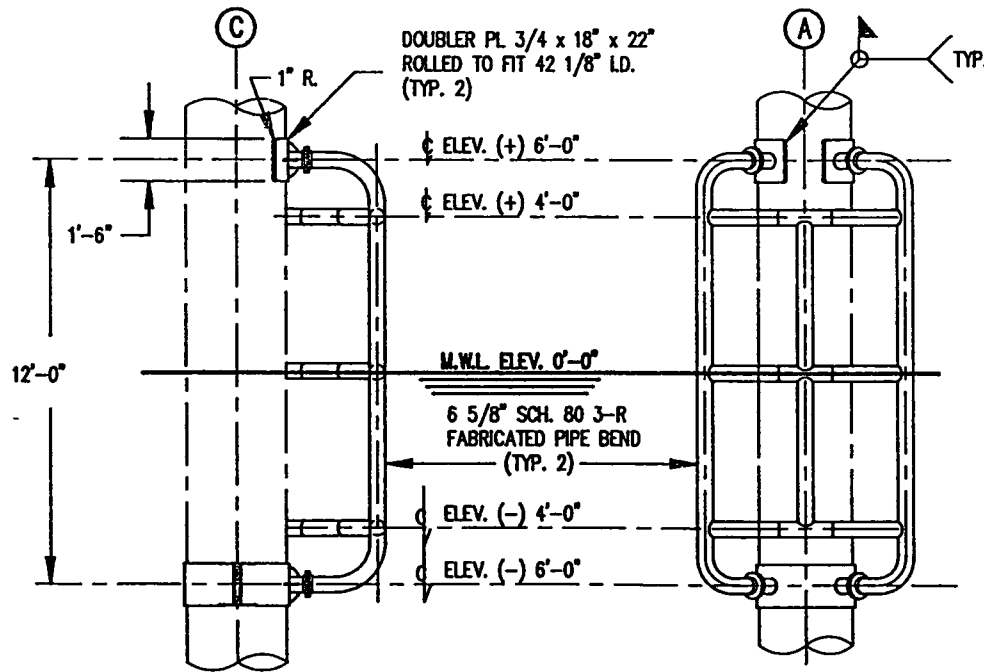
LOWER PLAN
SCALE --- 3/16" = 1'-0"



HINGE PL DETAIL
SCALE --- 1 1/2" = 1'-0"
TYP. 4



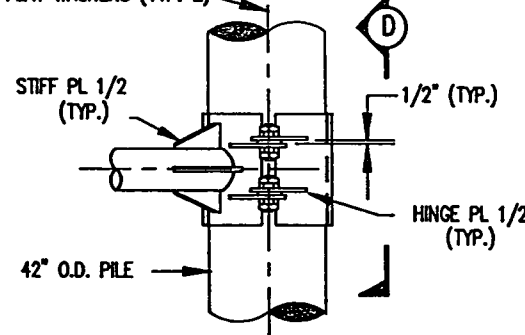
CLAMP DETAIL
SCALE --- 3/8" = 1'-0"



ELEVATION "A"
SCALE --- 3/16" = 1'-0"

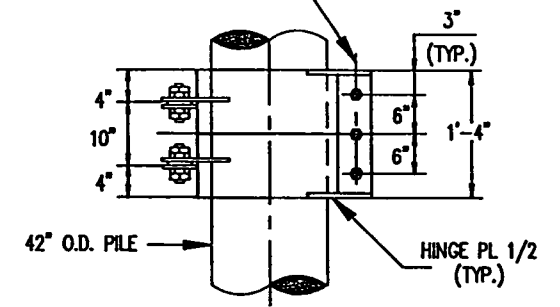
ELEVATION "B"
SCALE --- 3/16" = 1'-0"

1 1/8" O.D. x 1 3/4" SLOTTED HOLES FOR 1" O.D. x 6" LG. STUDS W/ 4 H.H. NUTS & (2) 2 1/2" O.D. x 1 3/16" I.D. TEFLON COATED FLAT WASHERS (TYP. 2)



ELEVATION "C"
N.T.S.

1 1/8" O.D. HOLE FOR 1" O.D. x 6" LG FULL THRD STUD BOLT W/4 H.H. NUTS EA. (TYP. 3 PLACES)



ELEVATION "D"
N.T.S.

OCT 04 1990

NOTES:

1. ALL STUDS, NUTS & FLAT WASHERS TO BE IMF COATED OR EQUAL.
2. BLAST & PAINT AS PER CE&SI SPEC. NO. 002
3. ALL WELDS TO BE FULL PENETRATION, UNLESS OTHERWISE NOTED



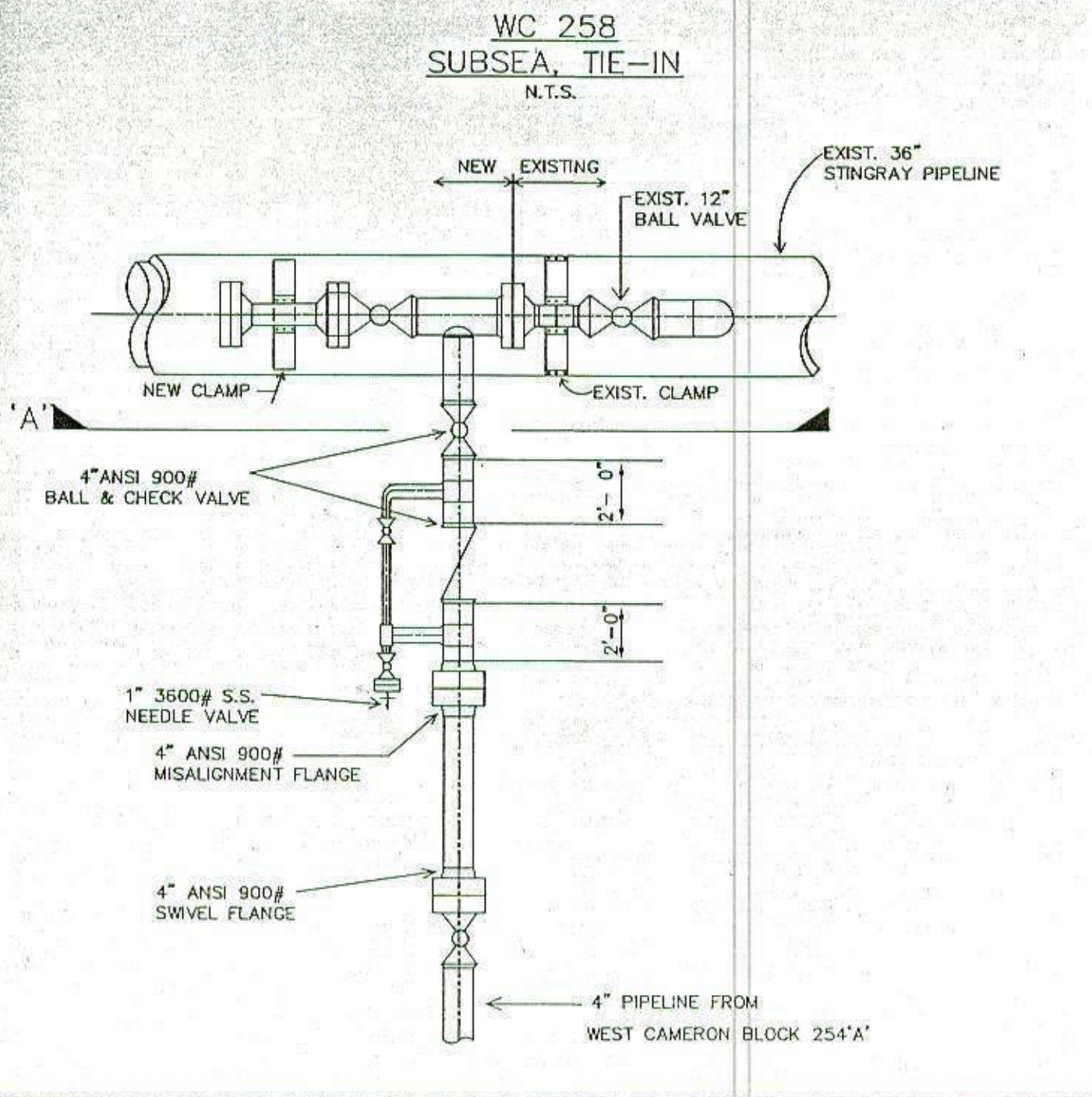
CONTINENTAL ENGINEERING & CONSTRUCTION SERVICES, INC.

LAFAYETTE	LOUISIANA
CLIENT	WALTER OIL & GAS CORPORATION
PROJECT TITLE	RISER GUARD FOR 4" RISER
JOB LOCATION	WEST CAMERON BLOCK 254 "A"
DESIGN DATE	
DESIGN BY	
CHECKED BY	
SCALE	
DATE	9-26-90
PROJECT NO.	551-SK-003

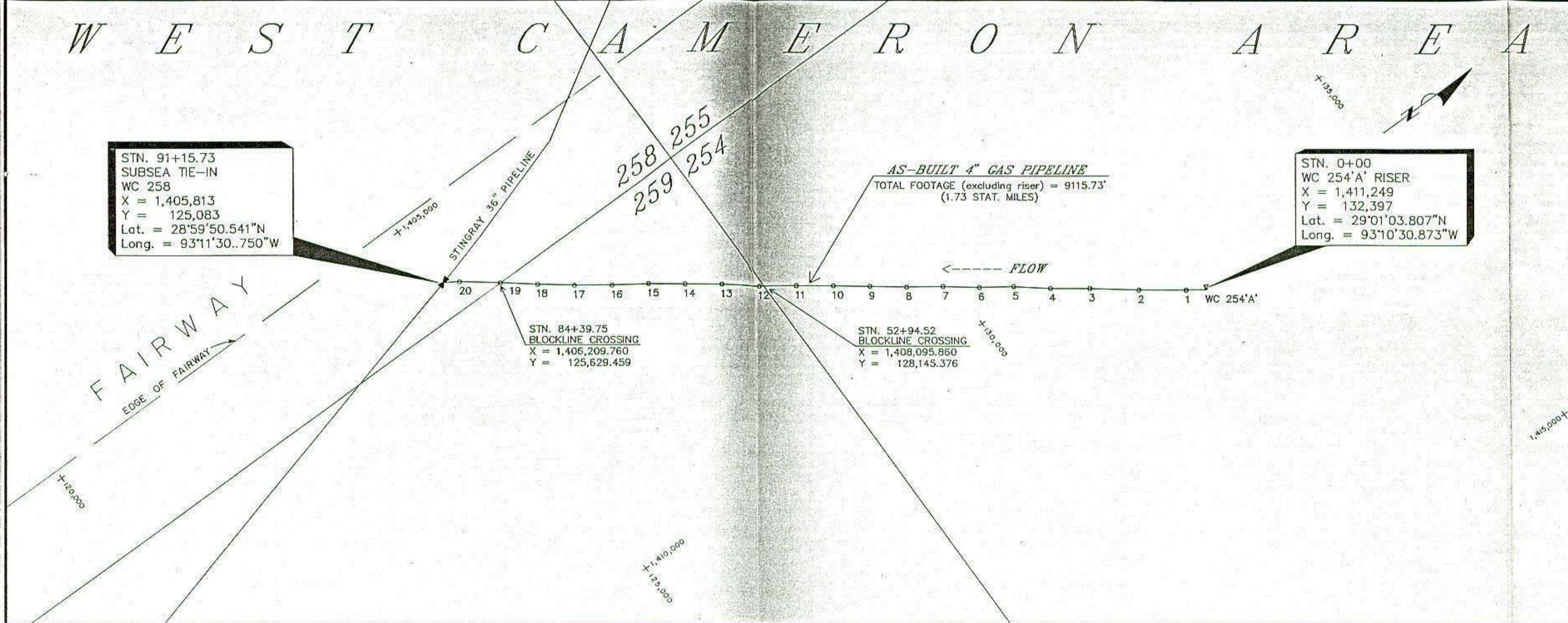
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BEARINGS & POINTS OF INTERSECTION

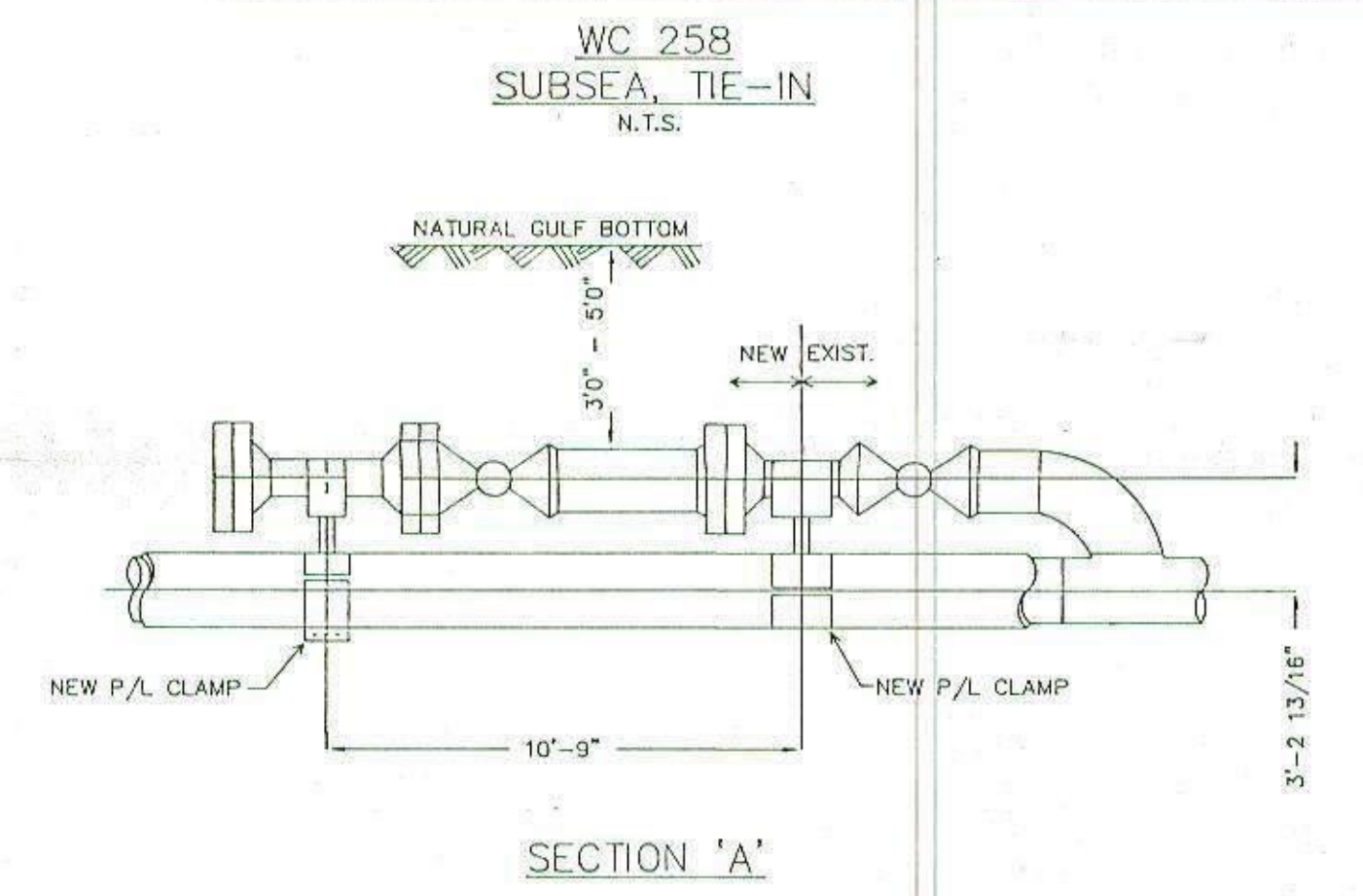
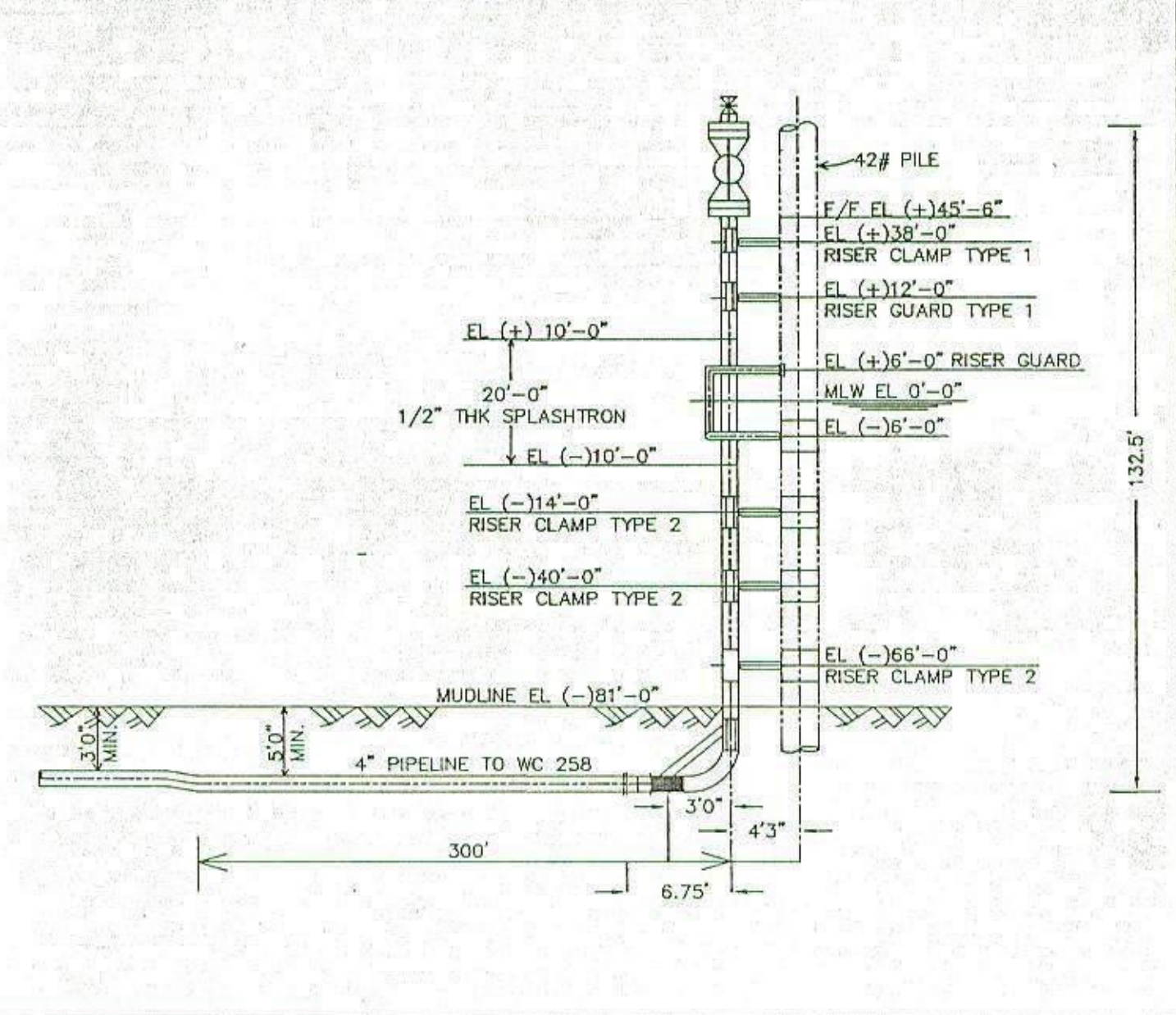
WEST CAMERON AREA



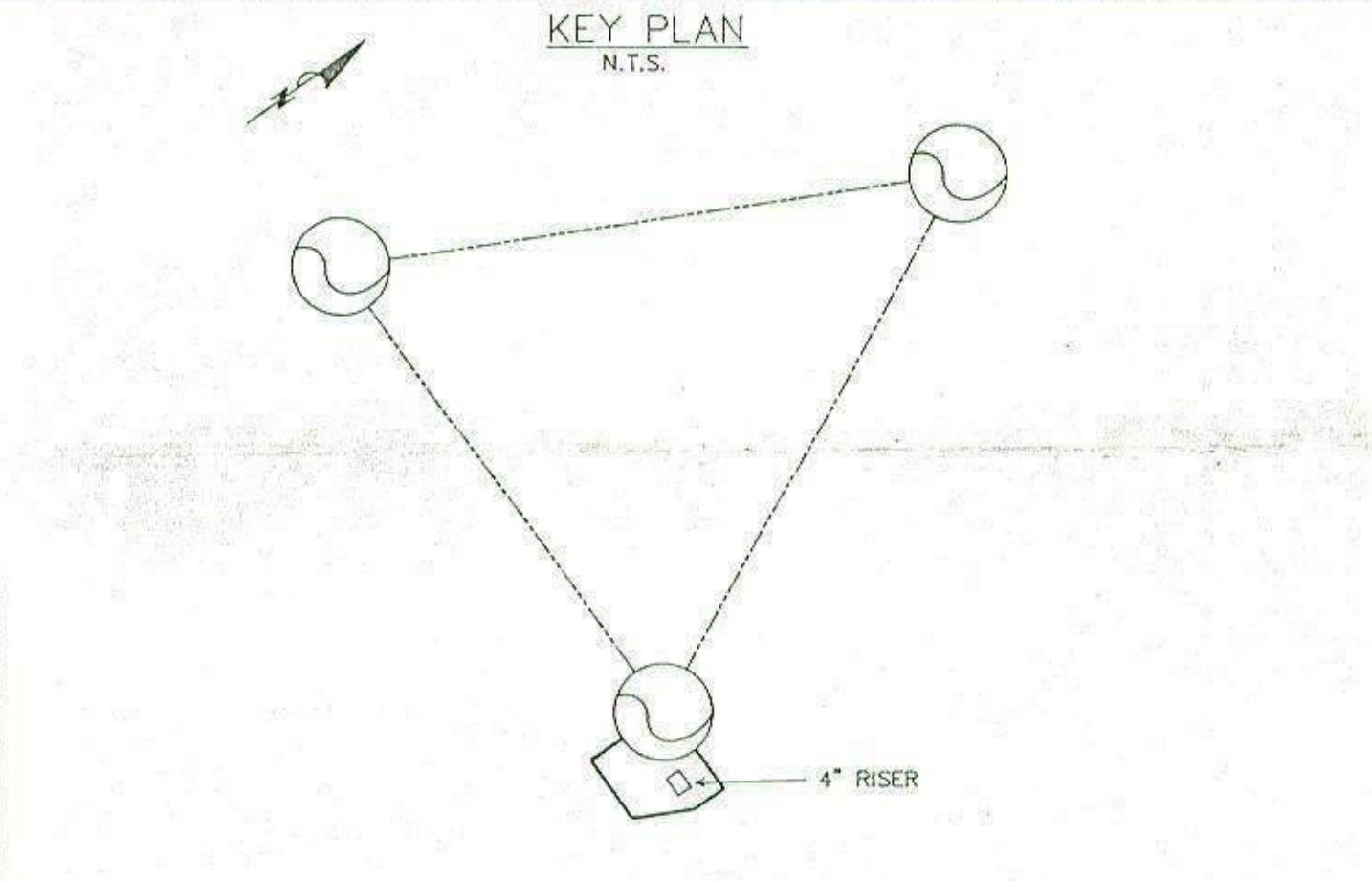
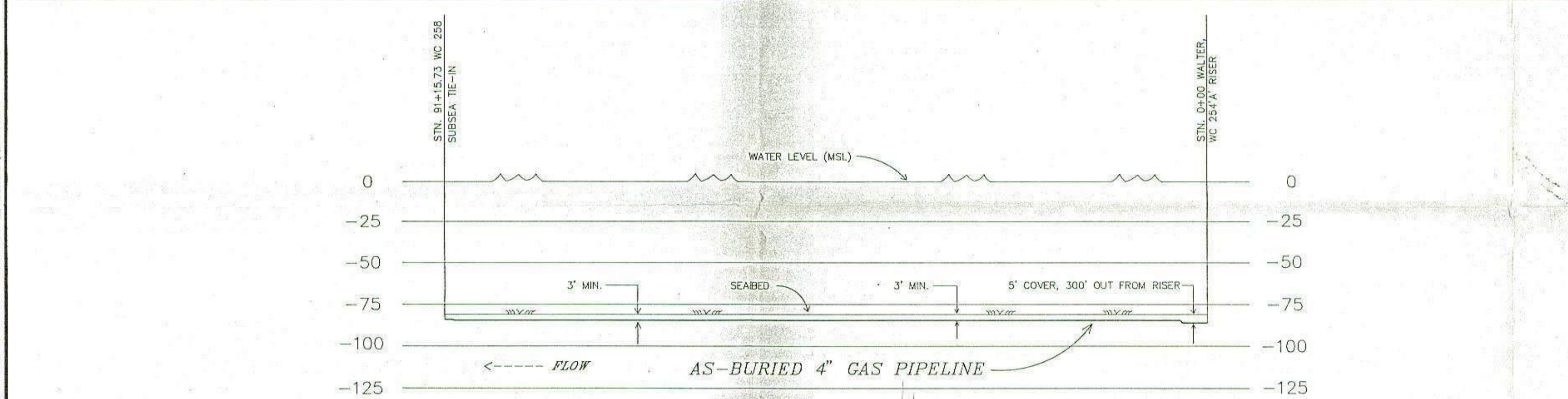
PLAN
SCALE: 1" = 1,000'



WALTER WC 254'A RISER



PROFILE
SCALE: HORIZ. 1" = 1,000', VERT. 1" = 50'



AS-BUILT 4" GAS PIPELINE, WALTER WC 254'A RISER TO WC 258 SUBSEA TIE-IN

POINT	X COORD.	Y COORD.	POINT	X COORD.	Y COORD.
WALTER, WC 254'A RISER	1,411,249	132,397	POINT 11	1,408,320	128,454
POINT 1	1,411,118	132,207	12	1,408,060	128,096
2	1,410,786	131,750	13	1,407,790	127,744
3	1,410,425	131,286	14	1,407,528	127,387
4	1,410,146	130,906	15	1,407,260	127,042
5	1,409,867	130,562	16	1,407,014	126,683
6	1,409,632	130,222	17	1,406,752	126,320
7	1,409,365	129,875	18	1,406,484	125,973
8	1,409,112	129,515	19	1,406,207	125,626
9	1,408,846	129,164	20	1,405,911	125,241
10	1,408,582	129,814	WC 258 SUBSEA TIE-IN	1,405,813	125,083

TOTAL FOOTAGE (excluding riser) = 9,115.73'

PIPE CODE	4.500" O.D. X 0.237" W.T. API 5L GRADE B
LOCATION CLASSIFICATION	CLASS 1
CORROSION COATING	SCOTCHKOTE 206N THIN FILM FUSION BONDED EPOXY - 12 - 14 MILS
WEIGHT COATING	NONE
ANODES	25# GALVALUM III, NOMINALLY EVERY 500 FT.
FIELD JOINTS	HEAT SHRINKABLE SLEEVES
TRENCH DEPTH	3.5 FT., EXCEPT 5 FT. FOR 300 FT. OUT FROM RISER
HYDROSTATIC TEST PRESSURE	2160 PSIG IFOR 8 HOURS
MAOP	1440 PSIG

GENERAL NOTES

- CO-ORDINATES FOR WC 254'A RISER TAKEN FROM PERMIT PLAT AND SURVEYED BY OTHERS.
- CO-ORDINATES FOR WC 258 SUBSEA TIE-IN TAKEN FROM PERMIT PLAT AND SURVEYED BY OTHERS.
- PIPELINE IS COVERED TO MINIMUM REQUIREMENTS IN AREAS WHERE SPOT CHECKED AS PER AMERICAN OILFIELD DIVERS, INC., DIVE INSPECTORS FOR WALTER OIL AND GAS CORP.

LEGEND

- PROPOSED PIPELINE
- - - EXISTING PIPELINE
- ⊙ WELL LOCATION
- or Δ PLATFORM
- 1/2 3/4 BLOCKLINES & NUMBERS
- ⊗ LINE TAP

REFERENCE DRAWINGS

STATION	SIZE	COVER	CLR.	OWNER

UNITS: U.S.C. & G.S. FEET

PROJECTION: LAMBERT

ZONE: LOUISIANA SOUTH

DATUM: NAD 1927

SPHEROID: CLARKE 1866

CENTRAL MERIDIAN: 91°20'00.0"W

UPPER PARALLEL: 30°42'00.0"N

LOWER PARALLEL: 29°18'00.0"N

ORIGIN LATITUDE: 28°40'00.0"N

FALSE EASTING: 2,000,000.0

FALSE NORTHING: 0.0

REF FIX POINT: STERN POSITION

POSITIONING SYSTEM: SYLEDIS POSITION

LAY BARGE: MAC-1

SURVEY DATES: MARCH & APRIL 1991

D.P. REF.: 0617

JOB NO.: 1074-LB

DRAWING No.: WALT0617

APPROVAL

DRAWN BY: L.L.M.

DATE: 4/12/91

CHECKED:

DATE:

REVISION:

DATE:

CHECKED:

DATE:

STATE OF TEXAS REGISTERED PROFESSIONAL LAND SURVEYOR KEITH A. CODD 4669

I hereby certify that this plat has been prepared following generally accepted professional standards for offshore surveys.

Keith A. Codd, Reg. No. 4669
Date 4/19/91

WALTER OIL & GAS CORPORATION

GULF OF MEXICO

AS-BUILT 4" GAS PIPELINE

WEST CAMERON AREA

BLOCKS 254 - 258

SHEET 1 OF 1

SN 9263

Britton 5-1-91
Alvarado 5-3-91
Stauffer 5/6/91

In Reply Refer To: MS 5232 (ROW OCS-G 12697)

MAY 0 1991

Walter Oil & Gas Corporation
Attention: Ms. Judy Archer
240 The Main Building
1212 Main Street
Houston, Texas 77002

BEST AVAILABLE COPY

Gentlemen:

In accordance with 30 CFR 250.158(b), your letter dated April 22, 1991, transmitted a pipeline construction report for the following right-of-way pipeline:

<u>Pipeline Right-of-way Number</u>	<u>Size (inches)</u>	<u>Length (feet)</u>	<u>Service</u>	<u>From</u>	<u>To</u>
OCS-G 12697	4 1/2	9,116	Gas/Condensate	Platform A Block 254 West Cameron	A 36-inch SSTI Block 258 West Cameron

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

<u>Pipeline Right-of-way Number</u>	<u>Test Pressure (psig)</u>	<u>Duration (hours)</u>	<u>MAOP (psig)</u>	<u>MAOP Determination</u>
OCS-G 12697	2,216	8	1,348	Receiving Pipeline

The total length of the "as-built" pipeline right-of-way is 1.73 miles.

In future correspondence, please refer to the above pipeline by its assigned right-of-way number.

Sincerely,

(Orig. Sgd.) A. Donald Girard

D. J. Bourgeois
Regional Supervisor
Field Operations

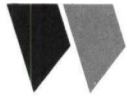
bcc: 1502-01 P/L OCS-G 12697 w/orig report (MS 5232) (K. Faust)
1502-01 P/L OCS-G 12697 w/copy of report (MS 5033) (C. Williams)
MS 5421
MS 5232 Carto w/cy of location plat

ABritton:km:4/30/91

SN 9263

on ref 5/8/91

pm E
aps
5-6-91



WALTER OIL & GAS CORPORATION

OCS-G12697

April 22, 1991



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. John Guidry

Re: OCS-G 11315: 4.500" Natural Gas & Condensate
Right-of-Way Pipeline Installed In and/or Through
Blocks 254, 259, and 258
West Cameron Area, Gulf of Mexico, Offshore, Louisiana
Reference: MS 5232 (OCS-G 12697)

Gentlemen:

In accordance with the terms and provisions outlined in Title 30 CFR 250.158(b), Walter Oil & Gas Corporation is hereby submitting, in triplicate, for your review and approval the "As-Built" Drawings and the Hydrostatic Test for the 4.500" Natural Gas & Condensate Right-of-Way Pipeline installed in Blocks 254, 259, and 258, West Cameron Area, Offshore, Louisiana.

The installation for the subject pipeline was completed on April 8, 1991 and the hydrostatic testing was performed on April 8, 1991. Production from lease OCS-G 7608, Block 254, West Cameron Area commenced on April 11, 1991.

Should you have any questions or need additional information, please contact the undersigned at (713) 659-1222.

Very truly yours,

WALTER OIL & GAS CORPORATION

Judy Archer
Regulatory/Environmental Coordinator

:JA

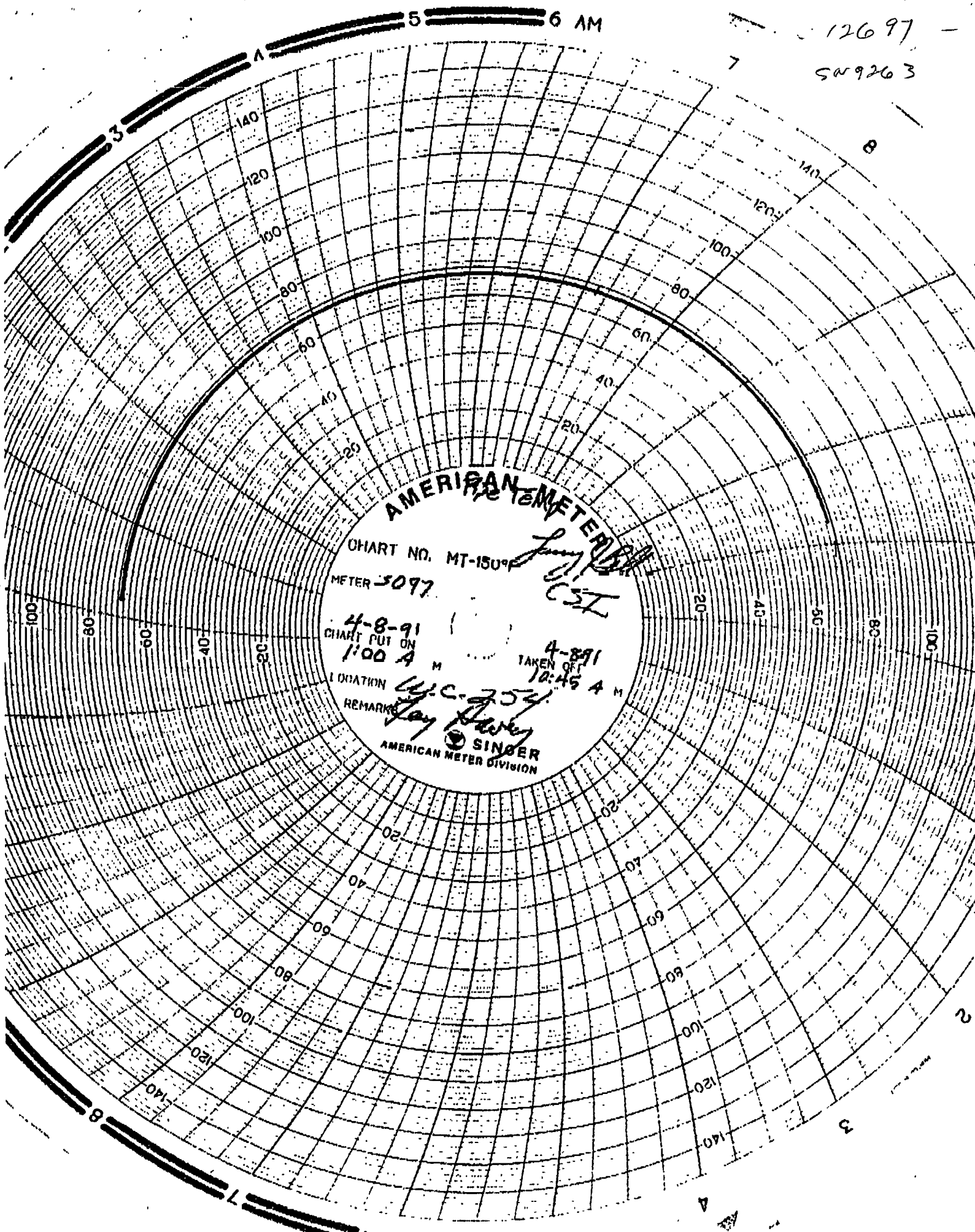
attachments

OCS-612697

12697

SN 9263

5 6 AM



C. S. I. HYDROSTATIC TESTERS

Hydrostatic Test Report

P. O. BOX 51282, O.G.S.

LAFAYETTE, LA. 70505

Company WALTER OIL & GAS

BEST AVAILABLE COPY

Line _____ Location W.C.-254 Job No. _____ Length 9000' ft.

Line Size 4" O.D. _____ W.T. Gr. _____ Sta/M.P. _____ to Sta/M.P. _____

Terrain GULF OF MEXICO Soil Condition SUBSEA BURIAL

Fill began 4/7/91 at _____ A.M. P.M. Fill Completed 4/7/91 at _____ A.M. P.M.

Meter Reading: Beginning _____ Gals., Final _____ Gal.

Displacement: Theoretical _____ Gal., Meas. _____ Gal.

Gallons Required to increase pressure from _____ P.S.I.G. to _____ P.S.I.G. Gal

Exposed pipe 50' ft. General Contractor ONSHORE & MARINE
PRESSURE PUMP MEASUREMENT

Fill water Temperature

Max 2220 Mid 2160

TIME		Deadweight Pressure	TEMPERATURE OF			REMARKS
Date	Hour		Air	Pipe	Remote Earth	
<u>4/8/91</u>	<u>1:30 AM</u>	<u>0</u>				<u>BLEEDING AIR</u>
	<u>1:41</u>	<u>0</u>				<u>START PRESSURING</u>
	<u>1:57</u>	<u>1699</u>	<u>69°</u>	<u>68°</u>		<u>HOLD 15 MINUTES</u>
	<u>2:37</u>	<u>2221</u>	<u>69°</u>	<u>68°</u>		<u>ON TEST</u>
	<u>2:45</u>	<u>2220</u>	<u>69°</u>	<u>68°</u>		
	<u>3:00</u>	<u>2220</u>	<u>69°</u>	<u>68°</u>		
	<u>3:15</u>	<u>2219</u>	<u>69°</u>	<u>68°</u>		
	<u>3:30</u>	<u>2218</u>	<u>69°</u>	<u>68°</u>		
	<u>3:45</u>	<u>2217</u>	<u>69°</u>	<u>68°</u>		
	<u>4:00</u>	<u>2217</u>	<u>69°</u>	<u>68°</u>		
	<u>4:30</u>	<u>2217</u>	<u>69°</u>	<u>68°</u>		
	<u>5:00</u>	<u>2217</u>	<u>69°</u>	<u>68°</u>		
	<u>5:30</u>	<u>2217</u>	<u>69°</u>	<u>68°</u>		
	<u>6:00</u>	<u>2216</u>	<u>69°</u>	<u>68°</u>		
	<u>6:30</u>	<u>2216</u>	<u>69°</u>	<u>68°</u>		
	<u>7:00</u>	<u>2216</u>	<u>69°</u>	<u>68°</u>		
	<u>7:30</u>	<u>2216</u>	<u>69°</u>	<u>68°</u>		
	<u>8:00</u>	<u>2216</u>	<u>69°</u>	<u>68°</u>		
	<u>8:30</u>	<u>2216</u>	<u>70°</u>	<u>68°</u>		
	<u>9:00</u>	<u>2216</u>	<u>70°</u>	<u>68°</u>		
	<u>9:30</u>	<u>2216</u>	<u>70°</u>	<u>68°</u>		
	<u>10:00</u>	<u>2216</u>	<u>70°</u>	<u>68°</u>		

Pres. Rec. #6081, Air Temp #6083, Water Temp #3097

CSI Engineer [Signature]

Field Approval for Pipeline Company

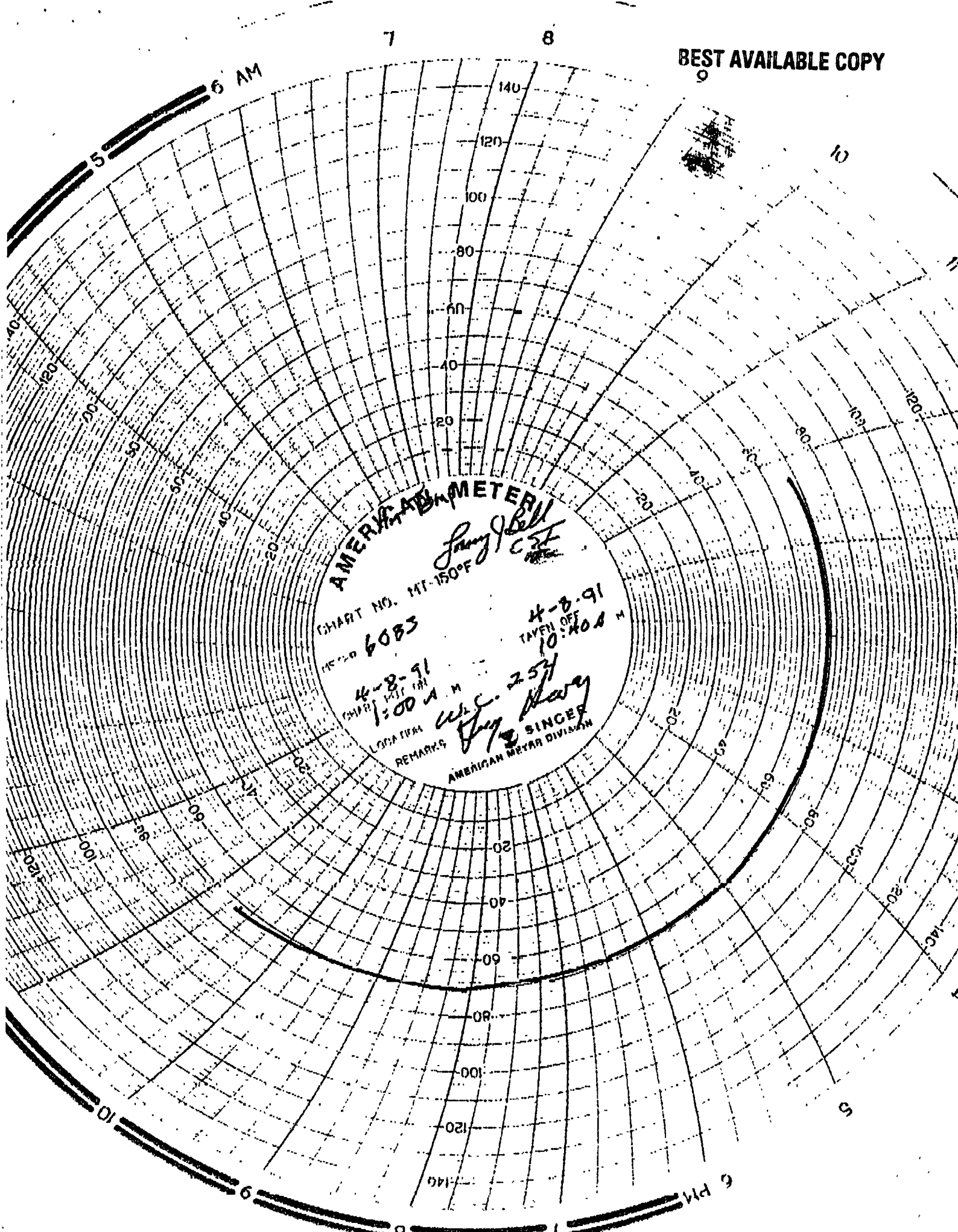
Witness 1 Adam W. Davidson

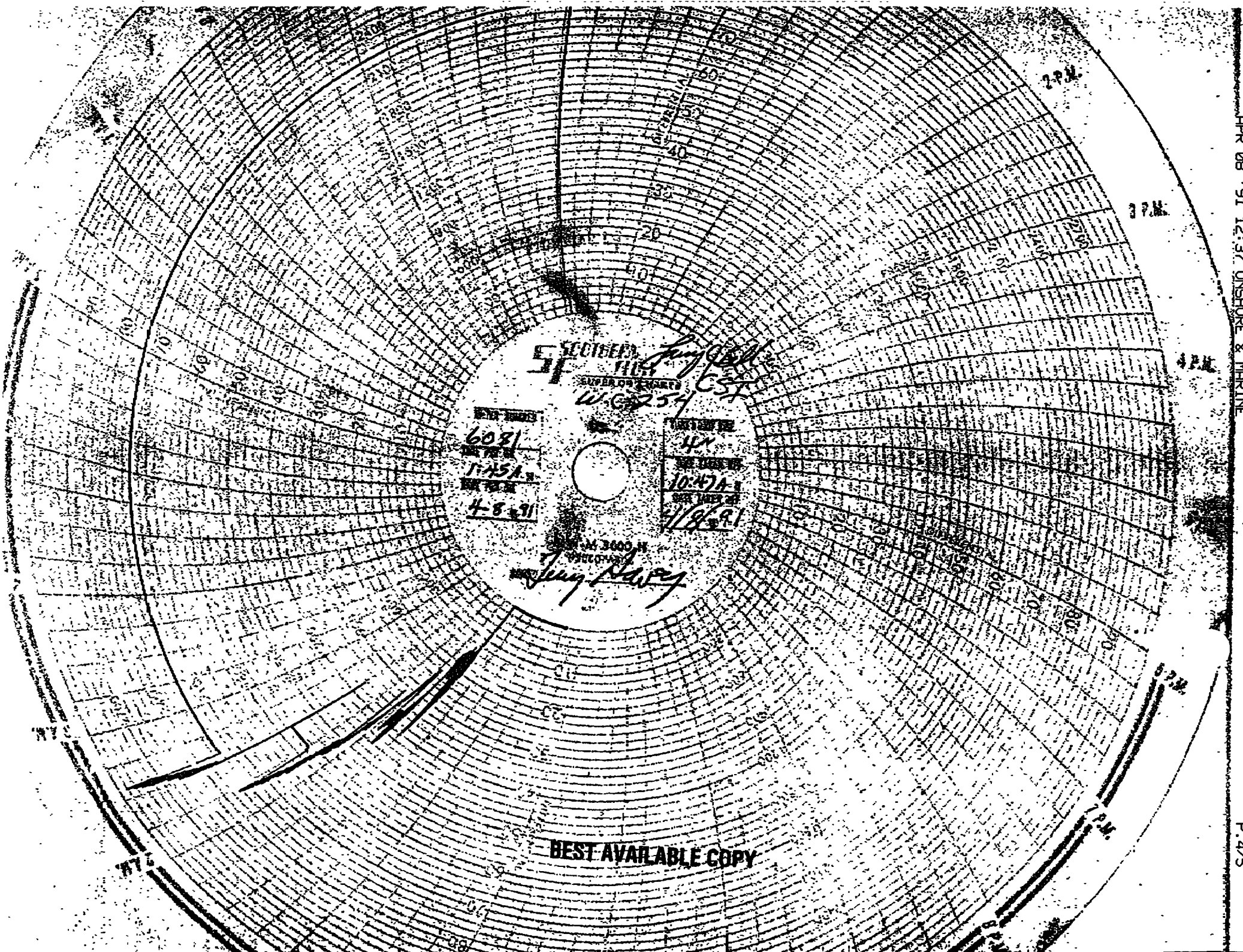
Insp. [Signature]

2 _____

Chief Insp. _____

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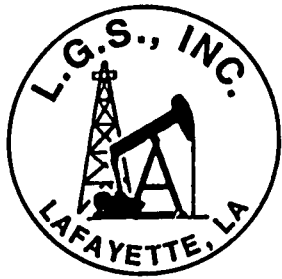
SECTION 1105
SUPERVISOR
W. C. 254

6081
1-15-91
4-8-91

10-17-91
11-8-91

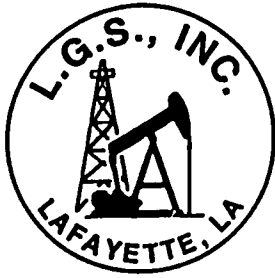
M. 3600 H
J. Harvey

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

TEST REPORT NO. 30691 - 1
WALTER OIL & GAS, INC.
12" & 4" NOMINAL PIPE
SUB-SEA ASSEMBLY
WEST CAMERON 258
ONSHORE & MARINE CONSTRUCTION, INC.



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

MARCH 11, 1991

MR. MALLORY WARE
ONSHORE & MARINE CONSTRUCTION, INC.
P.O. BOX 52280
LAFAYETTE, LA. 70505

RE: O.M.C., INC.
W.C. 258
12" SUB-SEA ASSEMBLY

DEAR MR. WARE:

PLEASE FIND ATTACHED A COPY OF CERTIFIED TEST REPORT NO. 30691-1, WHICH CONTAINS RECORDED DATA ON 12" BY 4" NOMINAL SUB-SEA ASSEMBLY BELONGING TO WALTER OIL & GAS, INC.

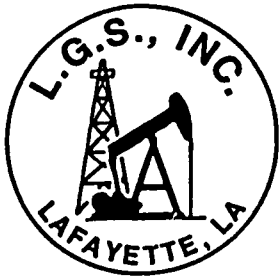
THE HYDRO-STATIC TEST WAS CONDUCTED IN ACCORDANCE WITH SPECIFICATIONS SET FORTH BY WALTER OIL & GAS, INC., AS WELL AS INDUSTRY STANDARDS PROVING THE STRUCTURAL INTEGRITY OF SAID LINES.

IF ANY FURTHER INFORMATION IS REQUIRED, PLEASE CONTACT ME.

SINCERELY



JERRY D. LEWIS
TEST ENGINEER



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

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CERTIFICATIONS -----	7 - 10

TEST2.RPT

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*** DEADWEIGHT RECORD ***

A.F.E. NUMBER _____

JOB NUMBER OMC 276

LINE OWNER Walter Oil & Gas

GENERAL CONTRACTOR OMI

TEST SECTION FROM STA. OMI yard

TO STATION OMI's yard

PIPE DESCRIPTION 12" 4" subsea Assy

MINIMUM PIPE ELEVATION 13

MAXIMUM PIPE ELEVATION 14

ELEV. DEADWEIGHT TESTER 14

DATE & TIME TEST BEGAN 3/6/91 8:20am

DATE & TIME TEST COMPLETED 3/6/91 4:35

MAXIMUM TEST PRESSURE 2745

MINIMUM TEST PRESSURE 2695

TIME	DEAD WEIGHT READING	TEMPERATURE AMBIENT	TEMPERATURE TEST MEDIUM
------	---------------------	---------------------	-------------------------

TIME	DEAD WEIGHT READING	TEMPERATURE AMBIENT	TEMPERATURE TEST MEDIUM
------	---------------------	---------------------	-------------------------

830	2710	70	66
700	1500	66	65
735	2190	66	65
745	2183	66	65
755	2182	68	65
805	2186	69	65
815	2189	69	65
830	2710	70	66
840	2713	70	66
850	2717	71	67
900	2720	71	67
910	2722	71	67
920	2724	71	67
930	2727	71	67
945	2733	76	67
950	2743	76	67
951	2700	76	74 Bled down
1025	2745	76	74
1026	2698	76	74 Bled down

1100	2742	80	77
1101	2697	80	77 Bled down
1125	2742	80	77
1126	2699	80	77 Bled down
1150	2741	80	80
1151	2698	79	79 Bled down
1230	2737	79	79
1231	2696	79	79 Bled down
100	2710	78	79
130	2735	77	78
131	2695	77	78 Bled down
200	2704	76	79
236	2706	79	79
300	2718	79	79
330	2723	79	79
400	2744	78	79
401	2698	78	79 Bled down
420	2695	77	79
421	2704	76	79 Bled down
430	2695	76	76

RESULTS OF TEST: ACCEPTABLE UNACCEPTABLE

DURATION OF TEST 8 HRS.

CONTRACTOR'S REP. Mallory Wroe

OWNER'S REP. Shirley K. Huff

TESTER'S REP. B. D. B. B.

DEADWEIGHT SERIAL NUMBER G-1 2972

AMBIENT TEMPERATURE RECORDER S/N T-8 mme 1909

PRESSURE RECORDER S/N: P-7 mme 1463

PIPE TEMPERATURE RECORDER S/N T-2 DF-3267

Pressure Test Log

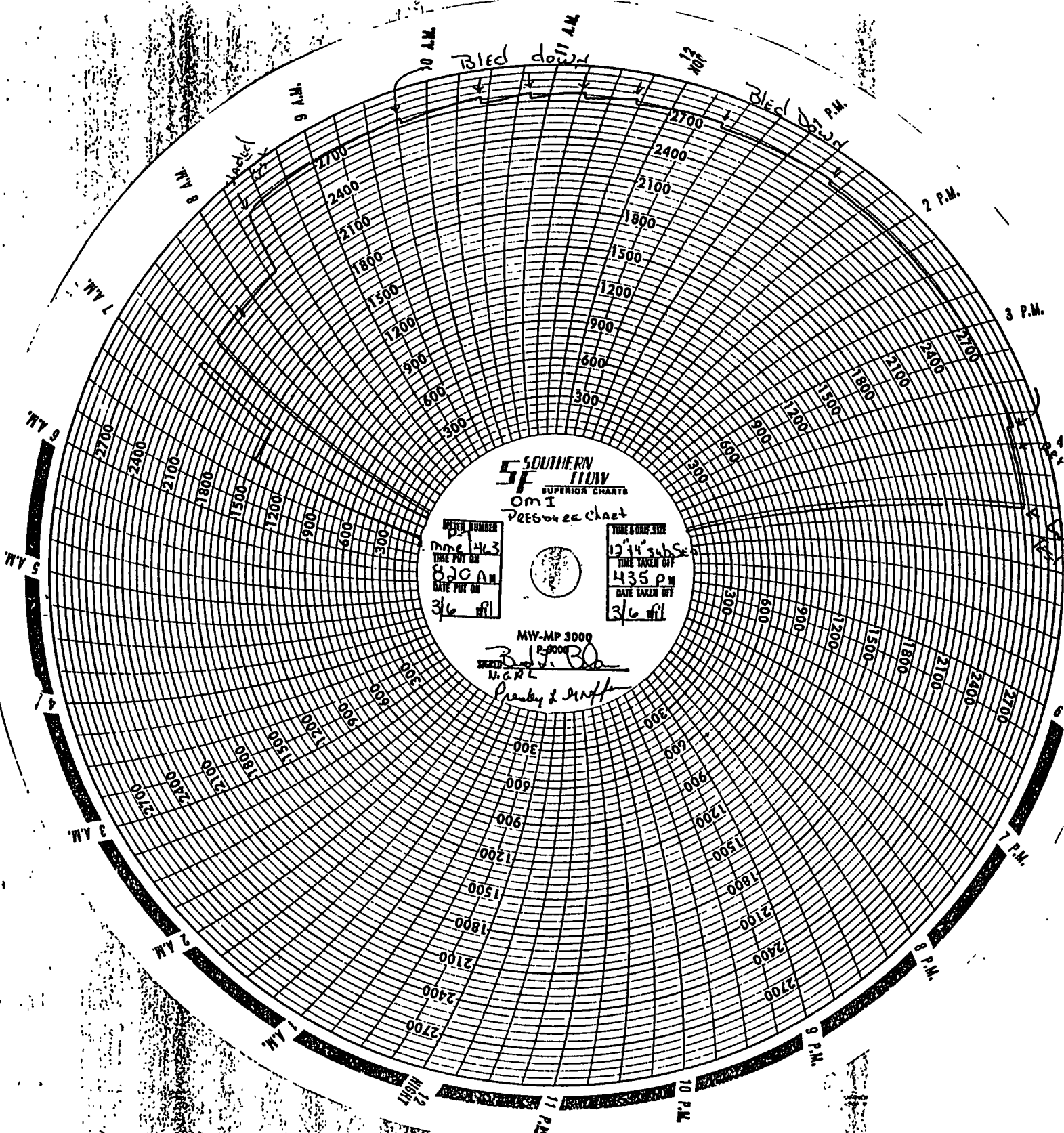
Report No. _____

No. _____ of _____ Sheets

Deadweight	Time	Temp.	Remarks	Deadweight	Time	Temp.	Remarks
710	830A	66	Started Test	2400	445		Γ
713	840	66					BEST AVAILABLE COPY
2717	850	67					
2720	900	67					
2722	910	67					
2724	920	67					
2727	930	67					
2732	940	67					
2743	950	67					
2700	951	67	BLEID DOWN				
2745	1025	74					
2698	1026	74	BLEID DOWN				
2742	1100	77					
2697	1101	77	Bled Down				
2742	1125	77					
2699	1126	77	BLEID DOWN				
2741	1150	80					
2698	1151	80	BLEID DOWN				
2737	1230	79					
2696	1231	79	BLEID DOWN				
2710	100	79					
2735	130	78					
2695	131	78	BLEID DOWN				
2704	200	79					
2706	230	79					
2718	300	79					
2723	330	79					
2743	400	79					
2697	401	79	Bled down				
2695	420	79					
2704	421	79	Pressure up				
2695	430	79	Ended Test				

Comments on Testing: _____ (Note disposition of any leaks or failures)

min: 2695 on shore machine line
max: 2745



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SOUTHERN
SF 110V
SUPERIOR CHARTS

OMI
Pipe Temp

METER NUMBER
F-2
DE-3261
DATE PUT ON
8:30 AM
DATE TAKEN OFF
3/6 ml

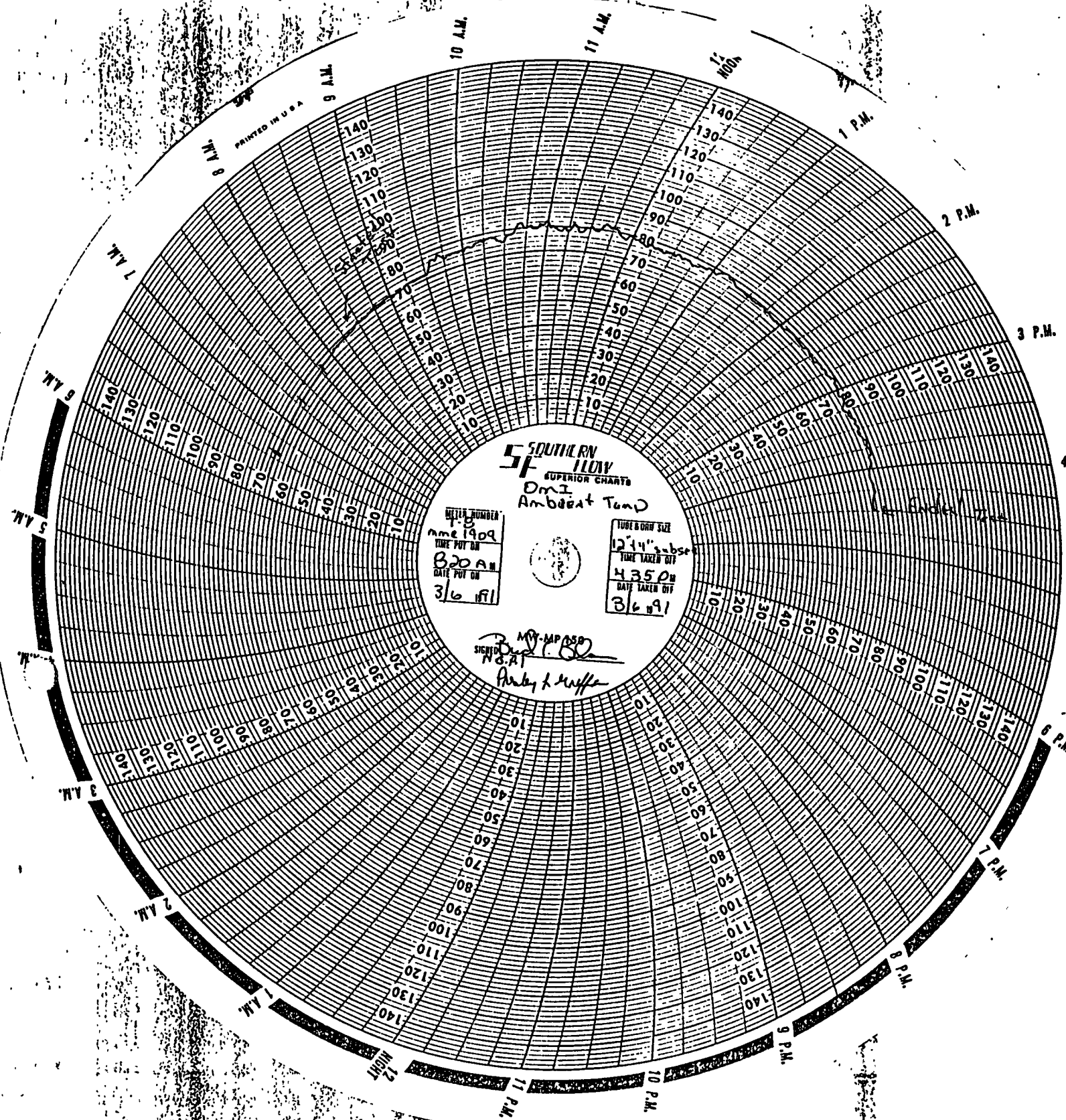
PIPE & GOLF SIZE
12-14" sub. AS7
TIME TAKEN OFF
MBS PM
DATE TAKEN OFF
3/6 ml



NEW-IMP 30
SIGNED: *[Signature]*
Name: *[Signature]*

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SOUTHERN FLOY
 SUPERIOR CHARTS
 Dm-1
 Ambient Temp

METER NUMBER
 18
 TIME PUT ON
 8:20 A.M.
 DATE PUT ON
 3/6/41

TUBE & DRIP SIZE
 1/2" x 1/4" Amber
 TIME TAKEN OFF
 4:35 P.M.
 DATE TAKEN OFF
 3/6/41

SIGNED
 M.P. ASD
 No. 21
 Andy K. Kuffa

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Pressure Test Log

Report No. _____

Jet No. 1 of 1 Sheets

Deadweight	Time	Temp.	Remarks	Deadweight	Time	Temp.	Remarks
2413	835		Front side	2402	120		Wheatley check 4" (4A)
2420	845		12" Cameron 1(A)	2410	130		S/N RND 30036
2400	846	Blowdown	S/N 62797-1	2419	140		TESTED DOWN STREAM
2405	855			2430	150		SIDE ONLY DUE TO
2403	905			2405	151	Blowdown	TYPE OF VALVE
2408	915	1/2		2420	200		
2415	925			2429	210		CAMECON Ballvalve (5A)
2420	935			2409	211	Blowdown	S/N RND 29041 2"
				2415	220		TESTED DOWN STREAM
2418	1050		Back side of				SIDE ONLY DUE TO
2420	1100		12" Cameron 1(B)				Fab. of subsea
2426	1110		S/N 62797-1				
2429	1120		+	2421	920		Front side Groove (6A)
2410	1130		Front side of	2414	930		S/N RND 29713
2415	1130		4" Groove 2-(A)	2415	940		4" Groove
2430	1140		Ball valve	2417	950		Ball valve
2409	1140		S/N RND 29319	2423	1000		
2422	1150			2427	1010		
				2430	1020		
2411	1200		Back side of F (2B)				
2425	1210		4" Groove S/N RND 29319				Back side Groove (6B)
2435	1220		Ball valve				4" Ball valve
2401	1221	Blowdown	+				S/N RND 29713
2415	1230		2" Noadstream (3A)				
2425	1240		Plug valve				
2435	1250		S/N 61-180033	2420	745		Front side Groove (6C)
2405	1251	Blowdown	Back side	2418	755		4" Ball valve
2414	100			2418	805	cool	S/N RND 29713
				2417	815	TEMP	
2415	905		Front side of	2412	825	caused	
2404	915		2" Noadstream (3B)	2412	835	loss	
2411	925		Plug valve	2412	845		
2412	935		S/N 61-180033				
2415	945			2419	900		Back side Groove (6D)
2416	955			2419	910	cool	4" Ball valve
2419	1005			2416	920	TEMP	S/N RND 29713
				2417	930	caused	
				2419	940	loss	
				2429	950		
				2410	1020	Blowdown	
				2422	1000		

Comments on Testing:

(Note disposition of any leaks or failures)

4" Wheatley check was tested only on ENCL AGAINST FLOW (4A)

2" Cameron Ball valve was tested only on ONE SIDE DUE TO FAB. (5A)

4" Groove Ball valve S/N RND 29713 had LEAK ON SEAT VALVE WAS (6A) (6D)

Repaired Retested

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G1

SRC ENGINEERS, INC.

OO CARDINAL DRIVE • P. O. BOX 31106 • LAFAYETTE, LA. 70503-1106 • 318/837-3810

STEPHEN R. CALLEGARI, P.E.

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STATEMENT OF CERTIFICATION

PRESSURE GAUGE

DEAD WEIGHT GAGE/TESTER

PRESSURE RECORDER

MAKE VAETRIX GAUGE I

PART NUMBER ~~7500~~ SERIAL NUMBER 2972

1. PRESSURE RANGE 7500 PSIG ACCURACY FULL SCALE $\pm \frac{0.10}{7.2}$ % PSI

2. PRESSURE RANGE _____ PSIG ACCURACY FULL SCALE \pm _____ % PSI

Tested in VERTICAL Position Temp. 78 °F

This is to certify that this instrument has been inspected and tested against Pressure Standard VAETRIX GAUGE I S/N 721 (ACCURACY 0.093% OF FULL SCALE) traceable to the National Bureau of Standards.

Special Conditions _____

DATE OF TEST 10/31/90 TESTER [Signature]

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CALIBRATION CERTIFICATE

TEMPERATURE RECORDER

MAKE AMERICAN METER

SERIAL NUMBER DF-3267

TEMP. RECORDER 0-150°F

The instrument described above has been calibrated from 20% to 80% of scale as verified by laboratory grade thermometer

YELLOWBACK (MERCURY FILLED) THERMOMETER RANGE: 0-220°F

Tested in VERTICAL Position

DATE OF TEST 2/22/91

TESTER [Signature]

SRC ENGINEERS, INC.

T-8

100 CARDINAL DRIVE • P. O. BOX 31106 • LAFAYETTE, LA. 70503-1106 • 318/837-3810

STEPHEN R. CALLEGARI, P.E.

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CALIBRATION CERTIFICATE

TEMPERATURE RECORDER

MAKE AMERICAN METER

SERIAL NUMBER MMR-1909

TEMP. RECORDER 0-150°F

The instrument described above has been calibrated from 20% to 80% of scale as verified by laboratory grade thermometer

YELLOWBACK (MERCURY FILLED) THERMOMETER RANGE: 0-220°F

Tested in VERTICAL Position

DATE OF TEST JAN 18 1991

TESTER

J. A. Johnson

P-7

SRC ENGINEERS, INC.

100 CARDINAL DRIVE • P. O. BOX 31106 • LAFAYETTE, LA. 70503-1106 • 318/837-3810

STEPHEN R. CALLEGARI, P.E.

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STATEMENT OF CERTIFICATION

PRESSURE GAUGE

DEAD WEIGHT GAGE/TESTER

PRESSURE RECORDER

MAKE AMERICAN METER

PART NUMBER P-12 SERIAL NUMBER MMR-1463

1. PRESSURE RANGE 3,000 PSIG ACCURACY FULL SCALE $\pm \frac{1.00}{30}$ % PSI

2. PRESSURE RANGE _____ PSIG ACCURACY FULL SCALE \pm _____ % PSI

Tested in VERTICAL Position Temp. _____ ° F

This is to certify that this instrument has been inspected and tested against Pressure Standard VAETRIX GAUGE 1 S/N 721

(ACCURACY 0.093% OF FULL SCALE) traceable to the National Bureau of Standards.

Special Conditions _____

DATE OF TEST JAN 19 1991

TESTER *[Signature]*

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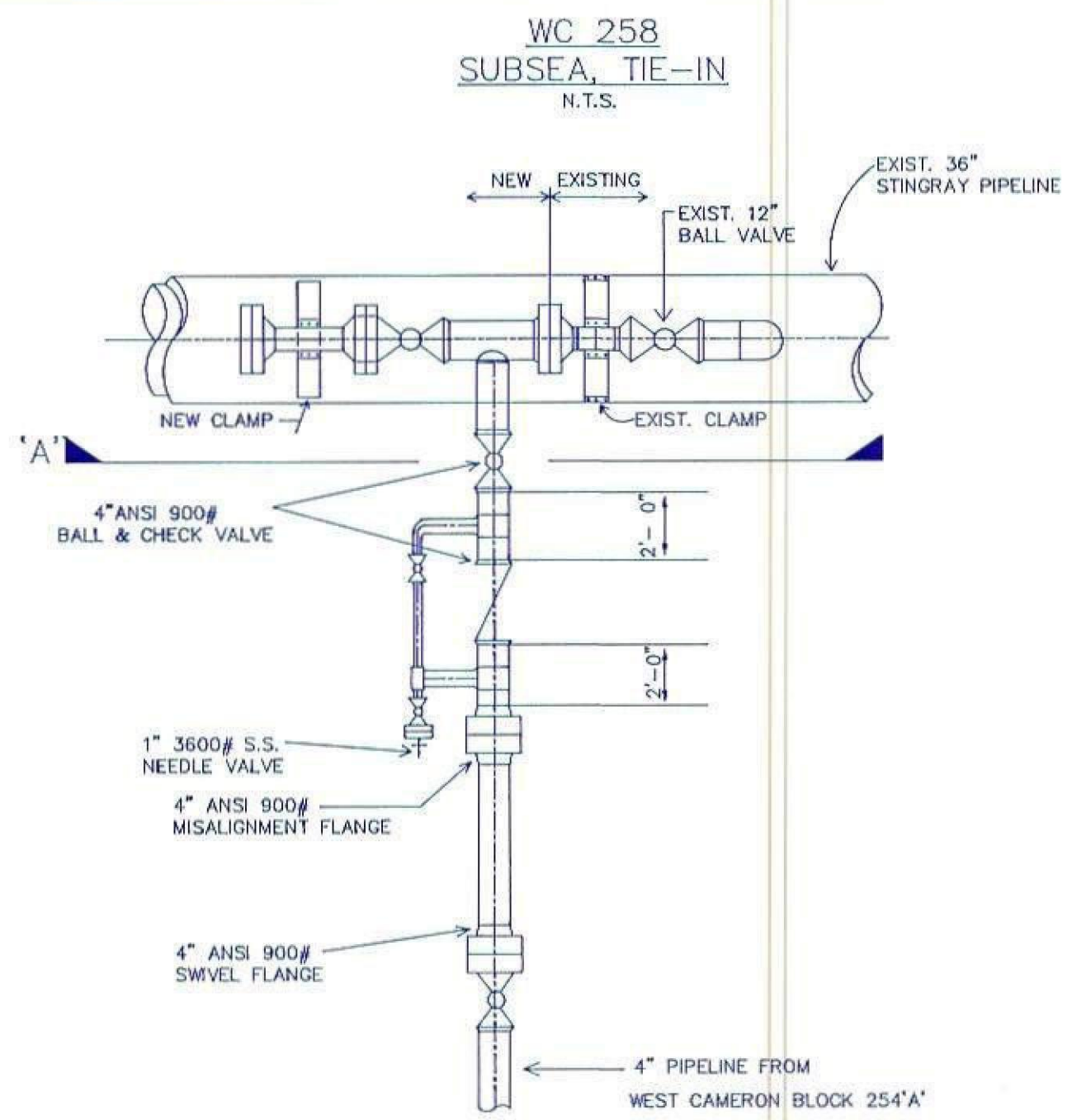
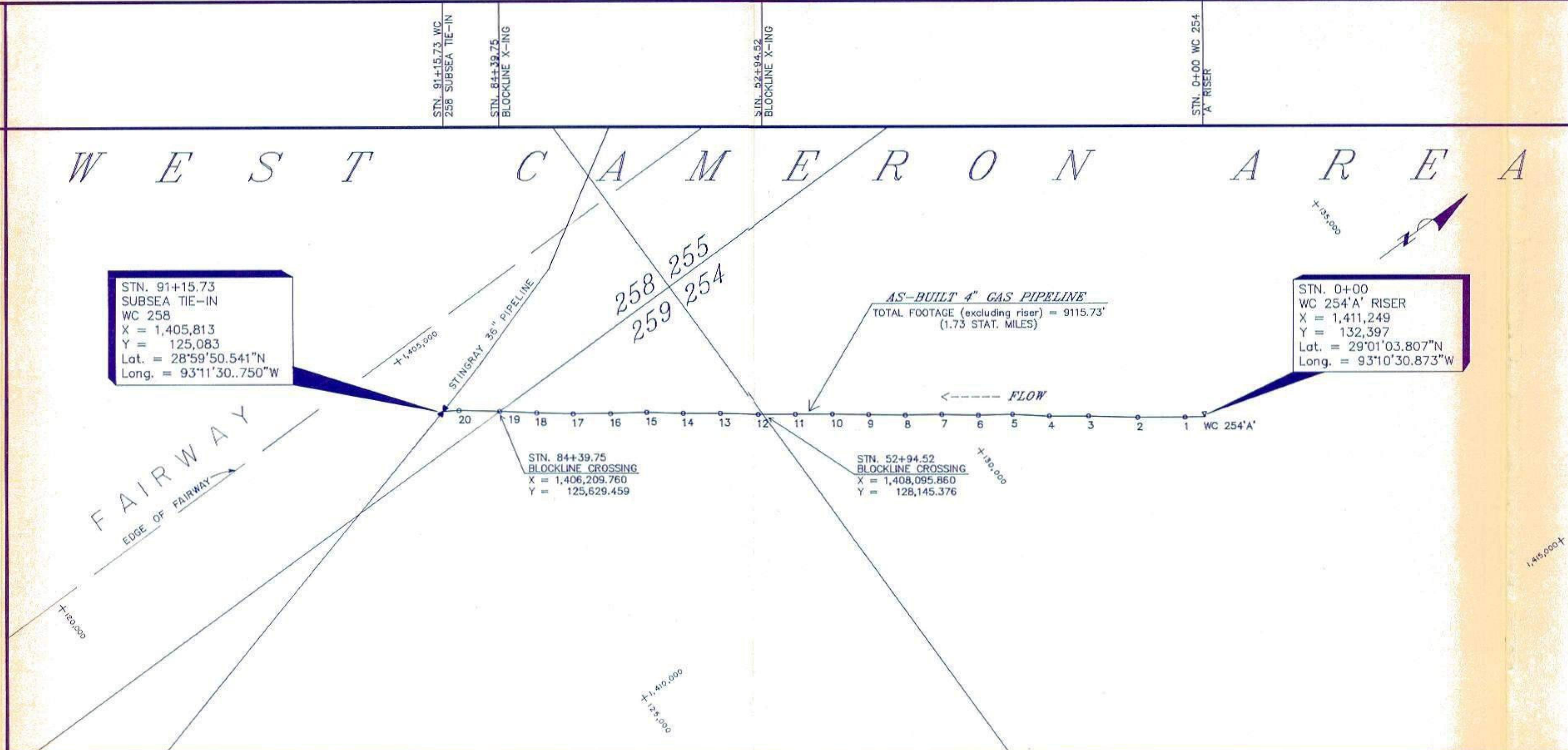
BEARINGS & POINTS OF INTERSECTION

WEST CAMERON AREA

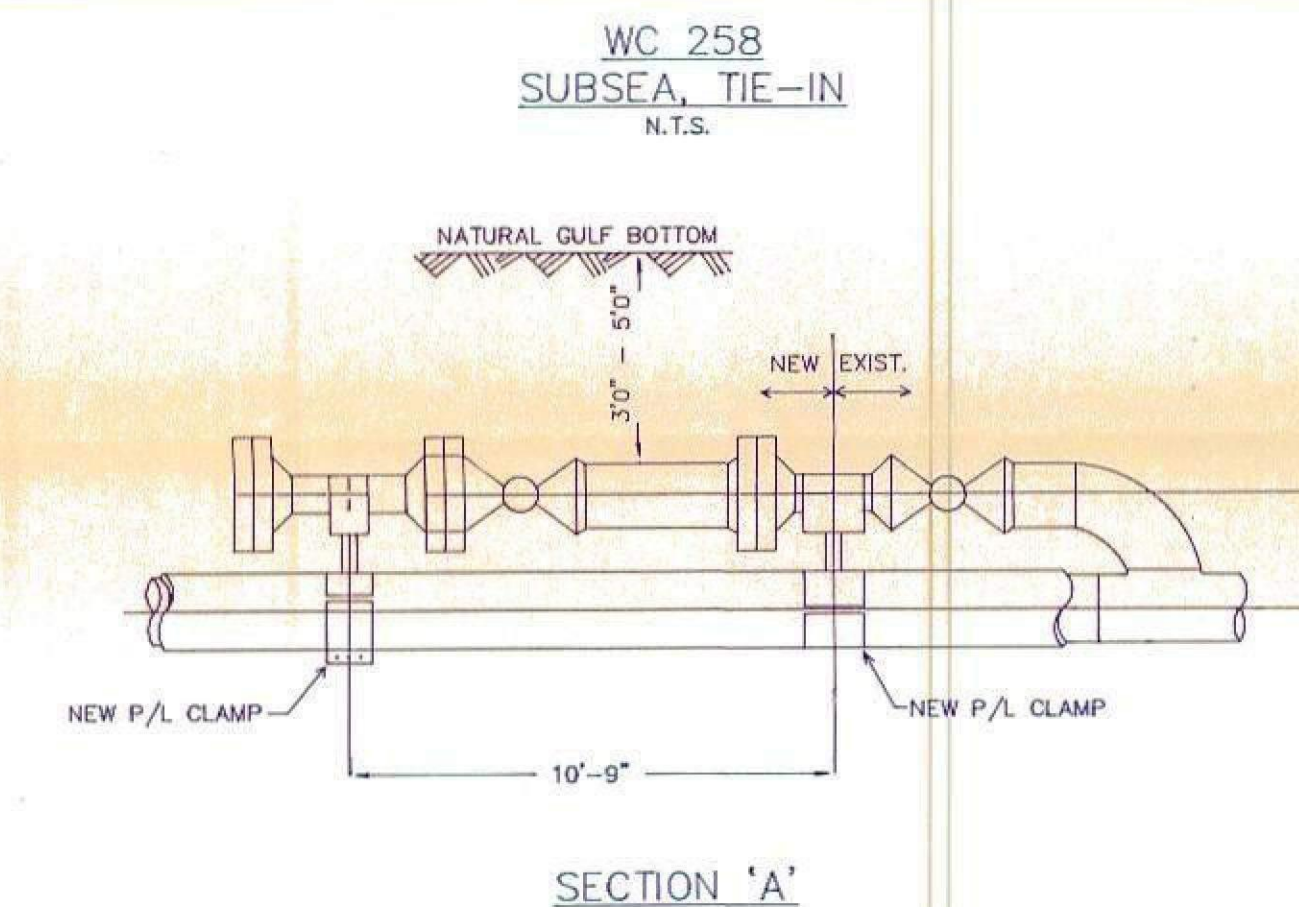
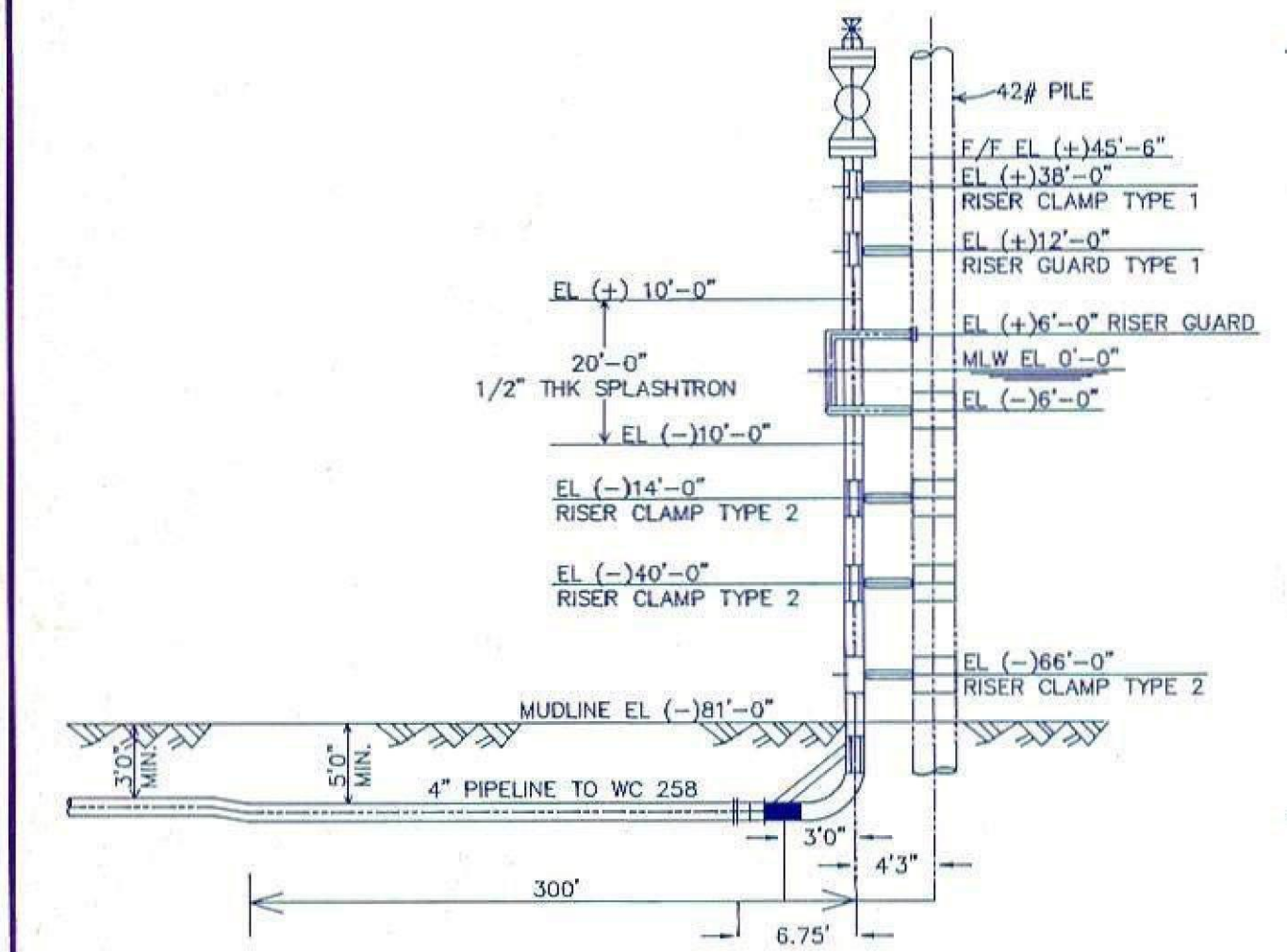
STN. 91+15.73
SUBSEA TIE-IN
WC 258
X = 1,405,813
Y = 125,083
Lat. = 28°59'50.541"N
Long. = 93°11'30.750"W

STN. 0+00
WC 254'A RISER
X = 1,411,249
Y = 132,397
Lat. = 29°01'03.807"N
Long. = 93°10'30.873"W

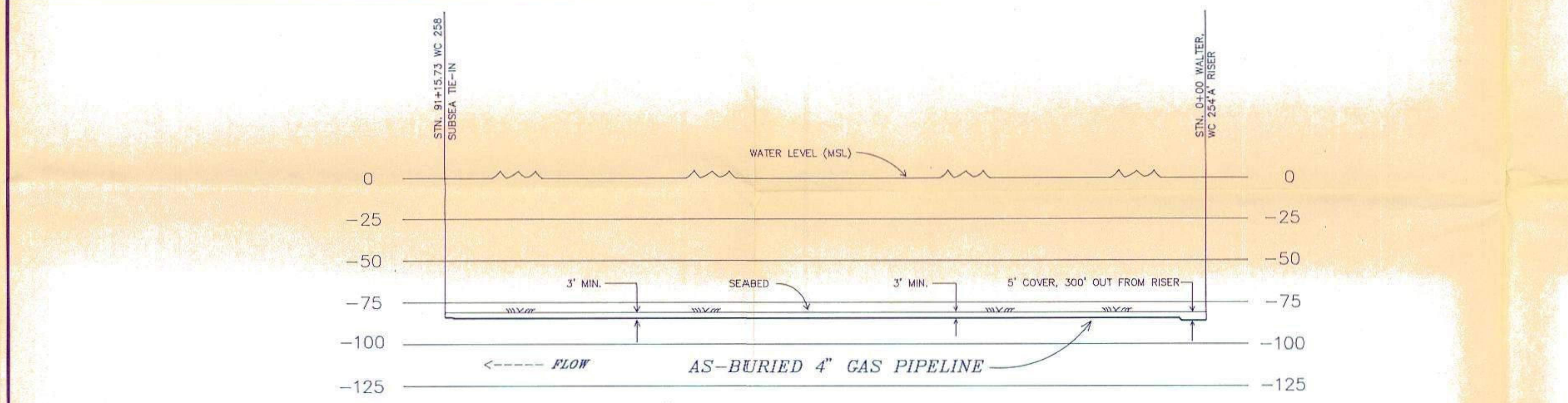
PLAN
SCALE: 1" = 1,000'



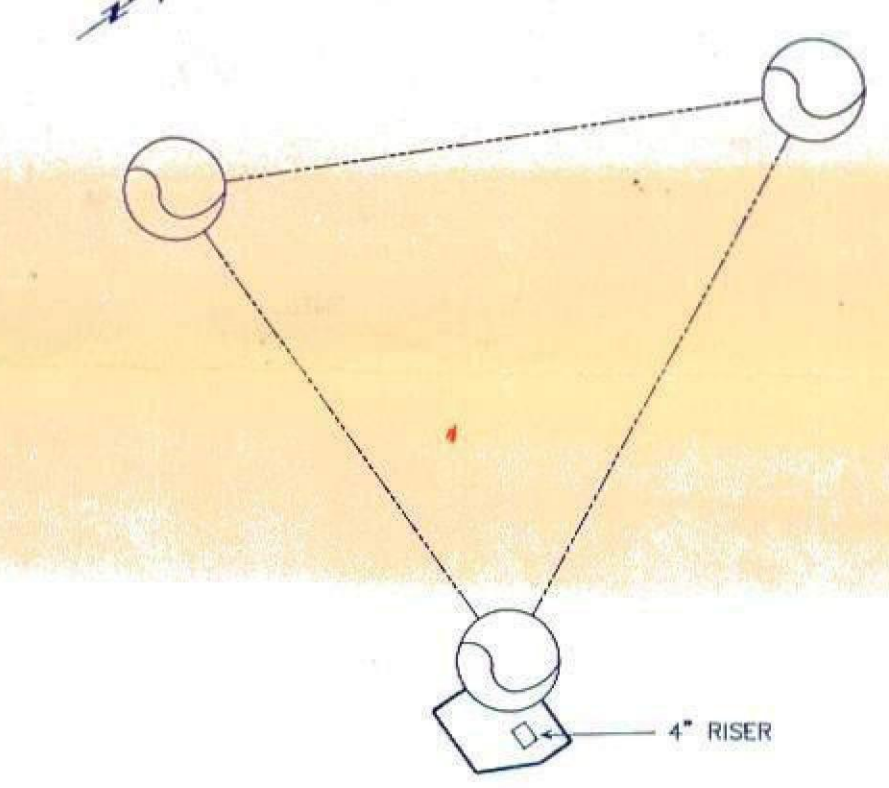
WALTER
WC 254'A RISER
N.T.S.



PROFILE
SCALE: HORIZ. 1" = 1,000', VERT. 1" = 50'



KEY PLAN
N.T.S.



AS-BUILT 4" GAS PIPELINE, WALTER WC 254'A RISER TO WC 258 SUBSEA TIE-IN

POINT	X COORD.	Y COORD.	POINT	X COORD.	Y COORD.
WALTER, WC 254'A RISER	1,411,249	132,397	11	1,408,320	128,454
1	1,411,118	132,207	12	1,408,060	128,096
2	1,410,786	131,750	13	1,407,790	127,744
3	1,410,425	131,286	14	1,407,528	127,387
4	1,410,146	130,906	15	1,407,260	127,042
5	1,409,867	130,562	16	1,407,014	126,683
6	1,409,632	130,222	17	1,406,752	126,320
7	1,409,365	129,875	18	1,406,484	125,973
8	1,409,112	129,515	19	1,406,207	125,626
9	1,408,846	129,164	20	1,405,911	125,241
10	1,408,582	128,814	WC 258 SUBSEA TIE-IN	1,405,813	125,083

TOTAL FOOTAGE (excluding riser) = 9,115.73'

PIPE CODE	4.500" O.D. X 0.237" W.T. API 5L GRADE B
LOCATION CLASSIFICATION	CLASS 1
CORROSION COATING	SCOTCHKOTE 206N THIN FILM FUSION BONDED EPOXY - 12 - 14 MILS
WEIGHT COATING	NONE
ANODES	25# GALVALUM III, NOMINALLY EVERY 500 FT.
FIELD JOINTS	HEAT SHRINKABLE SLEEVES
TRENCH DEPTH	3.5 FT., EXCEPT 5 FT. FOR 300 FT. OUT FROM RISER
HYDROSTATIC TEST PRESSURE	2160 PSIG FOR 8 HOURS
MAOP	1440 PSIG

GENERAL NOTES

- CO-ORDINATES FOR WC 254'A RISER TAKEN FROM PERMIT PLAT AND SURVEYED BY OTHERS.
- CO-ORDINATES FOR WC 258 SUBSEA TIE-IN TAKEN FROM PERMIT PLAT AND SURVEYED BY OTHERS.
- PIPELINE IS COVERED TO MINIMUM REQUIREMENTS IN AREAS WHERE SPOT CHECKED AS PER AMERICAN OILFIELD DIVERS, INC., DIVE INSPECTORS FOR WALTER OIL AND GAS CORP.

LEGEND

- PROPOSED PIPELINE
- - - EXISTING PIPELINE
- ⊕ WELL LOCATION
- or Δ PLATFORM
- 1/2 3/4 BLOCKLINES & NUMBERS
- ⊠ LINE TAP

REFERENCE DRAWINGS

- CONTINENTAL ENGINEERING #551-R-201
- CONTINENTAL ENGINEERING #551-SR-002

PIPELINES & UTILITY CROSSINGS

STATION	SIZE	COVER	CLR.	OWNER

UNITS: U.S.C. & G.S. FEET	FALSE EASTING: 2,000,000.0
PROJECTION: LAMBERT	FALSE NORTHING: 0.0
ZONE: LOUISIANA SOUTH	REF FIX POINT: STERN POSITION
DATUM: NAD 1927	POSITIONING SYSTEM: SYLDEIS POSITION
SPHEROID: CLARKE 1866	LAY BARGE: MAC-1
CENTRAL MERIDIAN: 91°20'00.0"W	SURVEY DATES: MARCH & APRIL 1991
UPPER PARALLEL: 30°42'00.0"N	D.P. REF.: 0617
LOWER PARALLEL: 29°18'00.0"N	JOB NO.: 1074-LB
ORIGIN LATITUDE: 28°40'00.0"N	DRAWING No.: WALT0617

APPROVAL

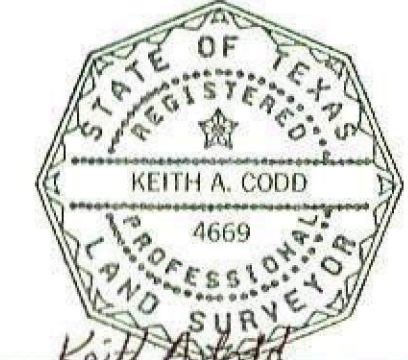
DRAWN BY: L.L.M.
DATE: 4/12/91

CHECKED: _____
DATE: _____

REVISION: _____
DATE: _____

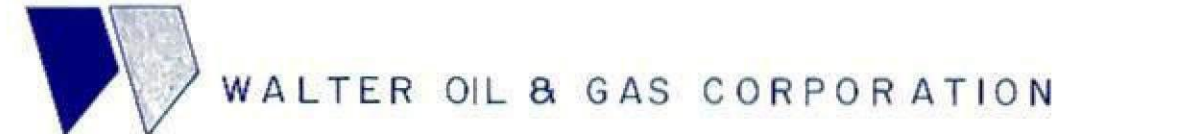
CHECKED: _____
DATE: _____

DATE: _____



I hereby certify that this plat has been prepared following generally accepted professional standards for offshore surveys.

Keith A. Codd, Reg. No. 4669
Date 4/19/91



GULF OF MEXICO OCS-G12697

AS-BUILT 4" GAS PIPELINE

WEST CAMERON AREA

BLOCKS 254 - 258

SHEET 1 OF 1

SN 9263

BEST AVAILABLE COPY

Williams
1-18-91
Alvarez 1-23-91
Staffer 1/23/91

JAN 24 1991

In Reply Refer To: MS 5232 (OCS-G 12697)

Walter Oil & Gas Corporation
Attention: Ms. Judy Archer
240 The Main Building
1212 Main Street
Houston, Texas 77002

Gentlemen:

Pursuant to the authority granted by 43 U.S.C. 1334(e) and 30 CFR 250.150(d), your application dated October 8, 1990, for a pipeline right-of-way two-hundred feet (200') in width for the installation, operation, and maintenance of a 4 1/2-inch pipeline, 1.73 miles in length, is hereby approved, as proposed.

The proposed pipeline will transport gas and condensate from Walter Oil & Gas Corporation's Platform A in Block 254, across Block 259, to a subsea tie-in with Stingray Pipeline Company's 36-inch pipeline (OCS-G 2122C) in Block 258, all in the West Cameron Area.

This approval is subject to the following conditions:

1. Walter Oil & Gas Corporation shall construct, operate, and maintain the pipeline in accordance with the appropriate Department of Transportation regulations.
2. Walter Oil & Gas Corporation shall adhere to the conditions of Notice to Lessees and Operators No. 83-3, Section IV.B.1., prior to conducting the proposed activities.
3. Walter Oil & Gas Corporation shall inspect pipeline OCS-G 2122C in the vicinity where the proposed work will be performed to ensure that proper cover has been maintained. If it is determined that environmental or other factors have detrimentally affected the burial depth of the pipeline or the protective cover of appurtenances, Walter Oil & Gas Corporation shall notify this office immediately.
4. Walter Oil & Gas Corporation's regional Oil Spill Contingency Plan approved on August 13, 1990, shall cover this pipeline operation.

on mp
2/4/91
JR

PDB
1-31-91

BEST AVAILABLE COPY

2

Based on our analysis of your application, the maximum allowable operating pressure for this pipeline will be 1,348 psig.

Sincerely,

(Orig. Sgd.) D. J. Bourgeois

D. J. Bourgeois
Regional Supervisor
Field Operations

cc: Department of Transportation
2320 LaBranch, Room 2116
Houston, Texas 77004

bcc: 1502-01 (P/L OCS-G 12697) w/enclosures (K.Faust) (MS 5232)
1502-01 (P/L OCS-G 12697) (C.Williams) (MS 5033)
MS 5270
MS 5440
MS 5421, w/receipt
MS 5232 Carto, w/plat

CWilliams:ds:1/17/91:WP

OCS-G 12697
MS 5232



WALTER OIL & GAS CORPORATION

October 8, 1990

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: Ms. Carol Williams

Re: Application for a 4.500" Gas Condensate
Right-of-Way Pipeline To Be Installed In and/or Through
Blocks 254, 259 and 258, OCS-G 7608, West Cameron Area
OCS Federal Waters, Gulf of Mexico, Offshore, Louisiana

Gentlemen:

Pursuant to the authority granted in 43 U.S.C. 1334(e) and regulations contained in Title 30 CFR Part 250, Subpart J, Walter Oil & Gas Corporation (Walter) is filing this application in quadruplicate for a right-of-way two-hundred (200') in width for the construction, maintenance and operation of a Gas Condensate Pipeline to be installed in and/or through Blocks 254, 259 and 258, West Cameron Area, Offshore, Louisiana.

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

1. 4.500" Gas Condensate Pipeline - Vicinity Map, John E. Chance and Associates, Inc., Drawing No. 1 of 2
2. 4.500" Gas Condensate Pipeline - Profile Map, John E. Chance and Associates, Inc., Drawing No. 2 of 2
3. Pipeline Schematic, Drawing No. 551-SK-001
4. 4.500" Subsea Tie-In Assembly to Stingray's 36" Pipeline, Drawing No. 551-SK-002
5. Riser Guard for 4.500" Riser, Drawing No. 551-SK-003
6. Detail Schematic for 4.500" O.D. Riser, Drawing No. 551-R-201

U. S. Département of the Interior
Minerals Management Service
OCS-G 7608, Pipeline Application
West Cameron Area Block 254, 259 and 258,
Offshore, Louisiana, OCS Gulf of Mexico, Federal Waters
Page Two

7. Pipe Specifications and General Information, Exhibit "A"
8. Operators and Right-of-way Holders, Exhibit "B"
9. Non-Discrimination in Employment Certification
10. Pipeline Pre-Lay Survey

Walter proposes to install a 4.500" Gas Condensate Pipeline, approximately 9,112.89 feet (1.73 miles) in length, departing from Walter's West Cameron Block 254, "A" Production Platform and will terminate at a 12-3/4" subsea tie-in on Stingray's 36" diameter pipeline in West Cameron Block 258.

Walter proposes to commence construction in December, 1990 or as soon as approval is granted. The time required to lay the pipeline is estimated at two (2) weeks with an overall project time being estimated at three (3) weeks.

Walter will utilize an existing onshore base facilities located in Cameron, Louisiana.

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: 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 operating of pipeline in accordance with competitive principles, including open and non-discriminatory access to both owner and non-owner shippers; Section 5(f)(2) which may allow exemption of the requirements in Section 5(f)(2); Section (e) addressing the assuring of maximum environmental protections, including the safest practices for pipeline installation; and Section 5(f)(1)(B) which may require expansion of through 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 Director of the Gulf of Mexico Region, and make every reasonable effort to preserve and protect the cultural resource from damage until said Director has given direction as to its preservations.

U: S. Département of the Interior
Minerals Management Service
OCS-G 7608, Pipeline Application
West Cameron Block 254, Offshore, Louisiana
OCS Gulf of Mexico, Federal Waters
Page Three

In accordance with applicable regulations, we have delivered a copy of the application and attachments thereto by certified mail, return receipt requested, to each designated operator (Regulation 250.9, contained in Title 30 CFR Part 250, Subpart A) and/or right-of-way holder whose lease, right-of-way or easement is to be affected. A list of such designated operators and right-of-way holders is attached (See Exhibit "B"). A copy of the return receipt showing data and signature as evidence of service upon such designated operators and right-of-way or easement holders will be forwarded to your office when received. In the event we cannot obtain the completed return receipt card, a letter from the designated operator or right-of-way holder or easement holder expressing no objection to the proposed project will be obtained and forwarded to your office.

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.

The Company contact on technical points or other information is:

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


Walter Oil & Gas Corporation hereby agrees to keep open at all reasonable times for inspection by the Minerals Management Service the area covered by this right-of-way and all improvements, structures and fixtures thereon and all records relative to the design, construction, 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 resolution approved by the Board of Directors authorizing the undersigned to sign for and on behalf of Walter Oil & Gas Corporation.

If the above information 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 Judy Archer of this office at (713) 659-1222.

Very truly yours,

WALTER OIL & GAS CORPORATION


J. C. Walter, III
President

JCW, III:JA
Enclosures

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
President

October 8, 1990

Date

EXHIBIT "A"

GENERAL INFORMATION AND CALCULATIONS

1. The water depth along the proposed pipeline route and in relationship to the natural bottom is set forth on the attached Proposed Mineral Development Plat, Sheet 2. The water depth is (-) 73' MSL.
2. The description of the pipeline and coating is as follows:
 - a. Riser Pipes: 4.500" O.D. x .337" W.T. API 5L Grade B or ASTM A-106 B Seamless or ERW. Bare weight = 14.98# per foot. Coated with 12 to 14 mils of Scotchkote 206N fusion bonded epoxy and .5" splashtron from the (+) 10' to (-) 10' elevation. Welded joints will be protected with heat shrinkable pipe sleeves.
 - b. Line Pipes: 4.500" O.D. x .237" W.T. API 5L Grade B or ASTM A-106 B Seamless or ERW. Bare weight = 10.79# per foot. Coated with 12 to 14 mils of Scotchkote 206N fusion bonded epoxy. Specific gravity in seawater (empty) = 1.53. Welded joints will be protected with heat shrinkable sleeves.
 - c. Subsea Tie-In: 4.500" O.D. x .337" W.T. API 5L Grade B or ASTM A-106 B Seamless or ERW. Bare weight = 14.98# per foot. Coated with 20 to 30 mils of Phenolic Epoxy Resin or Coal Tar Epoxy Coating. Specific gravity in seawater (empty) = 2.13.
 - d. Internal Coating: The analysis of transported products will be monitored and preventative measures will be employed as necessary.
3. The proposed pipeline is approximately 9,113 feet long. This does not include the +/-120' of riser piping or +/-20' of subsea tie-in piping. The pipeline will transport natural gas.
4. Valves and Flanges: Above water valves and flanges will be 600# ANSI and below water valves and flanges will be 900# ANSI Class 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", Sub-Part "J".

EXHIBIT "A"

(CONTINUED)

6. The cathodic protection system for the pipeline will use Galvalum III or Equal 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. 7.62#/Amp Yr.

e. Anode Spacing calculations:

$$\begin{aligned} \text{Area/Mile} &= 5280 \text{ ft./mi.} \times 3.14 \times (4.500)/12 \text{ ft.} \\ &= 6217.2 \text{ sq. ft./mi.} \end{aligned}$$

$$\begin{aligned} \text{Amps} &= 6217.2 \text{ sq. ft./mi.} \times .02 \times .005 \\ &\quad \text{A/sq. ft.} \\ &= .622 \text{ amps/mi.} \end{aligned}$$

$$\text{Line Life} = .622 \text{ A/mi.} \times 20 = 12.43 \text{ amp yr/mi}$$

$$\begin{aligned} \#/mile &= 12.43 \text{ amp yr./mi.} \times 7.62\#/amp \text{ yr.} \\ &= 94.75\#/mi. \end{aligned}$$

$$\begin{aligned} \text{Anode spacing} &= (94.75\#/mi.) / 25\# - 3.79/mi. \\ &\quad 1393 \text{ ft.} \end{aligned}$$

Use one (1) 25# every 500 feet

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

a. Riser:

$$t = PD/2S$$

$$\begin{aligned} p &= \text{internal design} \\ &\quad \text{pressure} = 1440 \text{ psig} \end{aligned}$$

$$= 1440 \times 4.500 / (2 \times 17500) \quad t = \text{wall thickness, inches}$$

$$= .185" = 1/16" \text{ C.A.}$$

$$S = \text{SMYS} \times .5 = 17500$$

$$= .248$$

$$\begin{aligned} D &= \text{nominal outside} \\ &\quad \text{diameter} - 4.500" \end{aligned}$$

Use 4.500" O.D. x .337" W.T. API 5L Grade B or ASTM A-106 B Seamless or ERW.

EXHIBIT "A"

(CONTINUED)

Hydrostatic test pressure:

In accordance with Title 49 CFR Part 192, Sub-Part "K".

$$\begin{aligned} \text{HTP} &= 1.5 \times \text{MAOP} \\ &= 1.5 \times 1440 = 2160 \text{ psig} \end{aligned}$$

b. Line Pipe:

$$\begin{aligned} t &= PD/2S & P &= \text{internal design pressure} \\ & & &= 1440 \text{ psig} \\ &= 1440 \times 4.500 / (2 \times 25200) & t &= \text{wall thickness, inches} \\ &= .129 + 1/16" \text{ C.A.} & S &= \text{SMYS} \times .72 = 25200 \\ &= .191 & D &= \text{nominal outside diameter} \\ & & &= 4.500" \end{aligned}$$

Use 4.500" O.D. x .237" W.T. API 5L Grade B or ASTM A-106 B Seamless or ERW.

Hydrostatic test pressure:

In accordance with Title 49 CFR Part 192, Sub-Part "K".

$$\begin{aligned} \text{HTP} &= 1.25 \times \text{MAOP} + \text{external pressure} \\ &= 1.25 \times 1440 + 73 \times (1.02)/2.31 \\ &= 1832 \text{ psig (use 2160 psig - same as riser)} \end{aligned}$$

c. Subsea Tie-In:

$$\begin{aligned} t &= PD/2S & P &= \text{internal design pressure} \\ & & &= 1440 \text{ psig} \\ &= 1440 \times 4.500 / (2 \times 21000) & t &= \text{wall thickness, inches} \\ &= .154" + 1/16" \text{ C.A.} & S &= \text{SMYS} \times .6 = 21000 \\ &= .218" & D &= \text{nominal outside diameter} \\ & & &= 4.500" \end{aligned}$$

Use 4.500" O.D. x .337" W.T. API 5L Grade B or ASTM A-106 B Seamless or ERW.

Hydrostatic test pressure:

In accordance with Title 49 CFR Part 192, Sub-Part "K".

EXHIBIT "A"

(CONTINUED)

$$\begin{aligned} \text{HTP} &= 1.25 \times \text{MAOP} + \text{external pressure} \\ &= 1.25 \times 1440 + 73 \times (1.02)/2.31 \\ &= 1832 \text{ psig (use 2160 psig - same as riser)} \end{aligned}$$

8. The hydrostatic test will be conducted in accordance with applicable regulations. Test duration will be eight (8) hours. 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 weighs 10.79 lbs/LF

The pipe displaces $.785 \times 4.500 \times 4.500 \times 12/1728 \times 62.4 \times 1.02 = 7.03$ lbs. water/ft.

Specific gravity pipeline empty = $10.79/7.03 = 1.53$

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 natural gas.
11. The proposed pipeline will depart from Walter Oil & Gas Corporation's West Cameron Block 254 "A" Production Platform and will terminate at a 12-3/4" diameter subsea tie-in on Stingray's 36" diameter pipeline in West Cameron Block 258.
12. Overpressuring of the pipeline shall be prevented by three methods. First, all manifold and piping components connected to pressure sources shall be rated at or above the maximum rated pipeline pressure. Second, the platform vessels shall have relief valves installed which are set at or below the maximum rated pipeline pressure, if directly connected to the pressure source. Third, 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.

EXHIBIT "A"

(CONTINUED)

PIPELINE SUMMARY

1. Line Pipe Specifications:

<u>O.D.</u>	<u>W.T.</u>	<u>Grade</u>	<u>Length</u>	<u>MAOP</u>	<u>MOP</u>
4.500"	.237"	API 5L B	9,113'	1440 psig	1348 psig

2. Riser Pipe Specifications:

<u>O.D.</u>	<u>W.T.</u>	<u>Grade</u>	<u>Length</u>	<u>MAOP</u>	<u>MOP</u>
4.500"	.337"	API 5L B	+/- 120'	1440 psig	1348 psig

3. Subsea Tie-In Pipe Specifications:

<u>O.D.</u>	<u>W.T.</u>	<u>Grade</u>	<u>Length</u>	<u>MAOP</u>	<u>MOP</u>
4.500"	.337"	API 5L B	+/- 20'	1440 psig	1348 psig

4. Transportation Company Line Specifications:

<u>O.D.</u>	<u>MAOP</u>	<u>Pipeline Company</u>
36"	1348 psi	Stringray

5. External Coating:

a. Line Pipes:
12-14 mils Thin Film Epoxy

b. Riser Pipe:
1/2" Rubber External

c. Subsea Tie-In Assembly:
20-30 mils Phenolic Epoxy Resin or Coal Tar Epoxy.

6. Cathodic Protection

25# Galvalum III or equal tapered Semi-cylindrical bracelet anodes every 500 feet.

7. Name of Product

Natural Gas having a Specific Gravity of .62 to .65.

8. Class Location

Class I

9. Governing Code:

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

EXHIBIT "B"

The following Designated Operators and Right-of-Way Holders have been furnished information regarding the proposed pipeline installation by Certified Mail, Return Receipt Requested (Note: The status of the block(s) listed below are current as of October 11, 1990 per telephone conversations with Ms. Diane Thigpin and Debbie Armond, with the MMS, and Judy Archer with Walter Oil & Gas Corporation.)

WEST CAMERON AREA

BLOCK 254

Walter Oil & Gas Corporation • None	OCS-G 7608	Designated Operator Right-of-Way Holder
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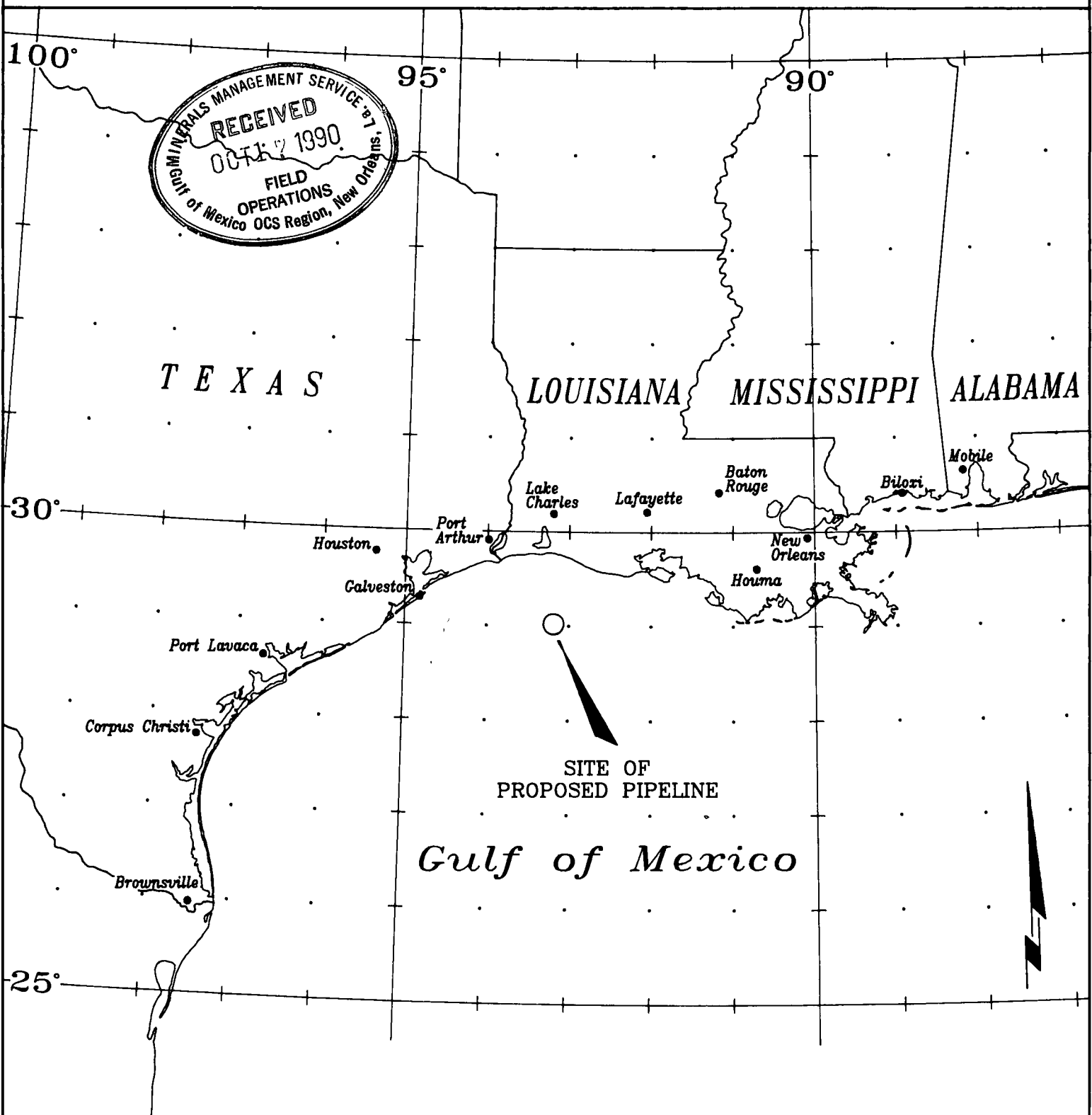
BLOCK 258

Union Texas Petroleum • Stingray Pipeline Company	OCS-G 11780 OCS-G 2122C	Designated Operator Right-of-Way Holder
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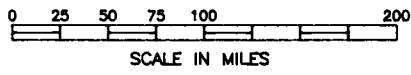
BLOCK 259

Union Texas Petroleum • Stingray Pipeline Company	OCS-G 11781 OCS-G 2122C	Designated Operator Right-of-Way Holder
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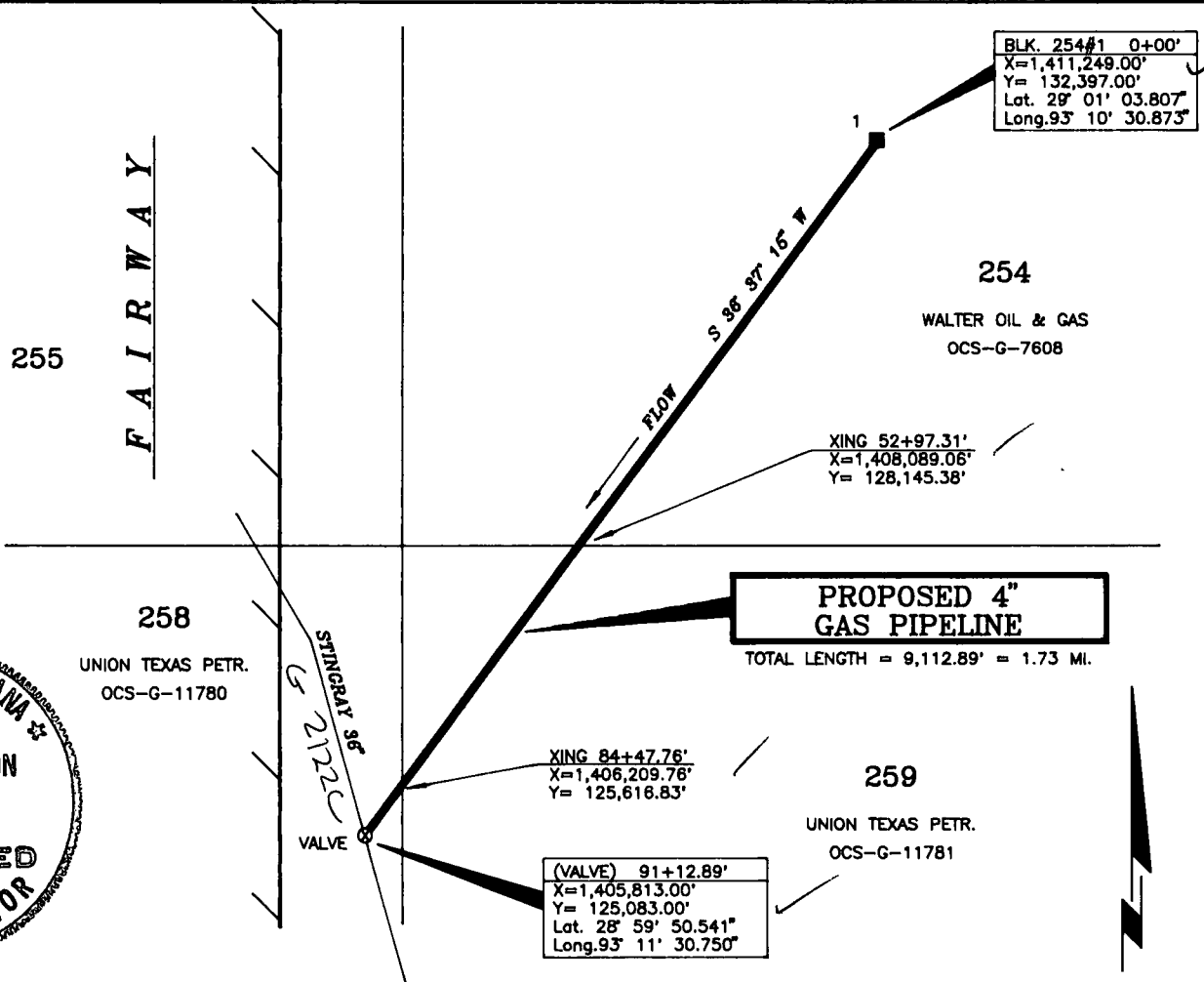
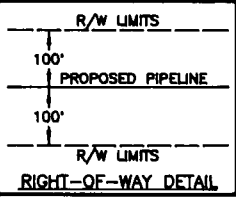
VICINITY MAP



APPLICATION BY
WALTER OIL & GAS CORPORATION
 HOUSTON, TEXAS
 SEPTEMBER 3, 1990

PROPOSED 4"
GAS PIPELINE
 WEST CAMERON AREA
 GULF OF MEXICO

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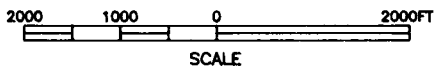


THE RIGHT OF WAY OF PROPOSED PIPELINE IS ACCURATELY REPRESENTED

Jack C. Scranton

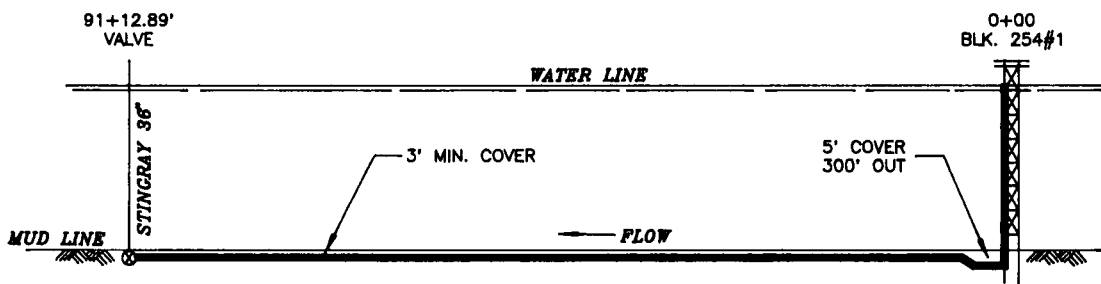
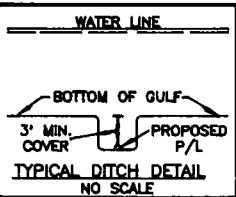
REGISTERED LAND SURVEYOR NO. 320
STATE OF LOUISIANA
JOHN E. CHANCE & ASSOCIATES, INC.

PLAN



THE DESIGN CHARACTERISTICS OF THIS PIPELINE ARE IN COMPLIANCE WITH APPLICABLE REGULATIONS.

Jack Fort
AREA ENGINEER



PROFILE



APPLICATION BY
WALTER OIL & GAS CORPORATION
HOUSTON, TEXAS
SEPTEMBER 3, 1990

PROPOSED 4" GAS PIPELINE
WEST CAMERON AREA
GULF OF MEXICO

**STINGRAY PIPELINE CO.
12" SUBSEA TIE-IN
ASSEMBLY
W. CAMERON BLK. 258**

1. WALTER OIL & GAS CORP. PIPELINE COMPLIES WITH PART 192, TITLE 49 OF THE CODE OF FEDERAL REGULATIONS.
2. WALTER OIL & GAS CORPORATION PIPELINE COMPLIES WITH API RP 1111 REGULATIONS.
3. WALTER OIL & GAS CORP. FACILITIES COMPLY WITH API 14E REGULATIONS
4. HIGH PRESSURE SENSOR (PSH) ON LINE WILL BE SET AT 1250 PSIG.
5. LOW PRESSURE SENSOR (PSL) ON LINE WILL BE SET AT 850 PSIG.
6. DESIGN PRESSURE OF THE PIPELINE IS 1440 PSIG
7. A = SACRIFICIAL GALVALUM III OR SEALLOY ANODES, 25# EACH, SPACING TO BE A MAXIMUM OF 500 FEET.
8. MOP OF PIPELINE LIMITED TO 1348 PSIG DUE TO MAOP OF 36" STINGRAY P/L
9. ALL SUBSEA VALVES ARE TO BE ANSI 900# UNLESS OTHERWISE NOTED.
10. ALL PLATFORM VALVES ARE TO BE ANSI 600# UNLESS OTHERWISE NOTED.

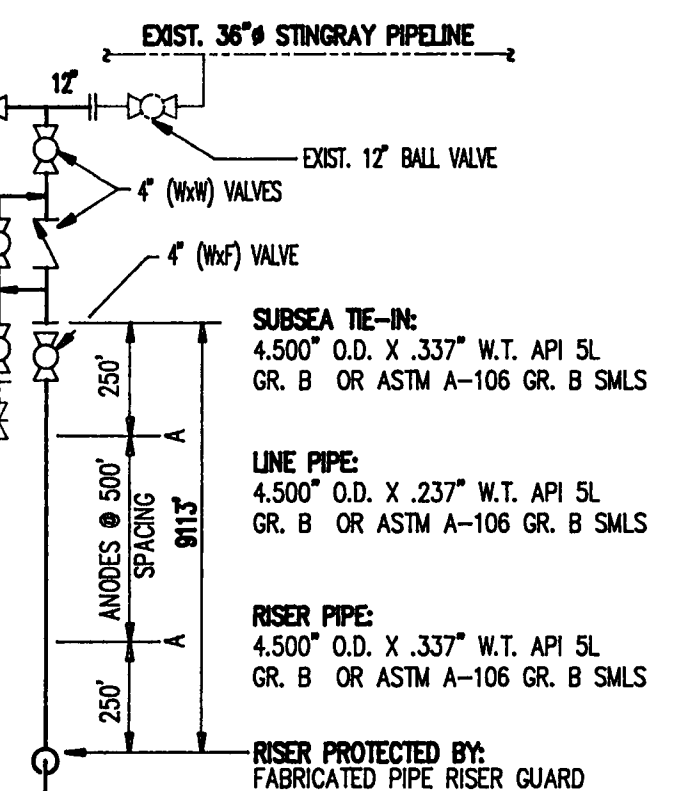
**WALTER OIL & GAS CORP.
W. CAMERON BLOCK 254 "A"
PRODUCTION PLATFORM**



10/04/90



OCT 04 1990

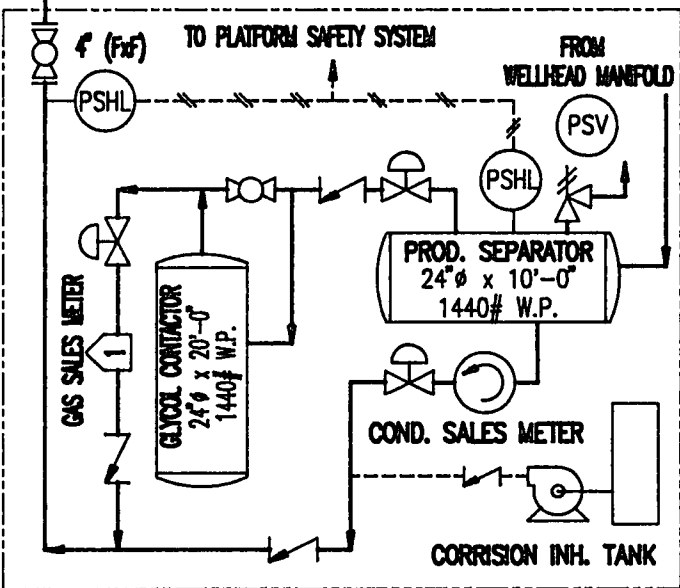


SUBSEA TIE-IN:
4.500" O.D. X .337" W.T. API 5L
GR. B OR ASTM A-106 GR. B SMLS

LINE PIPE:
4.500" O.D. X .237" W.T. API 5L
GR. B OR ASTM A-106 GR. B SMLS

RISER PIPE:
4.500" O.D. X .337" W.T. API 5L
GR. B OR ASTM A-106 GR. B SMLS

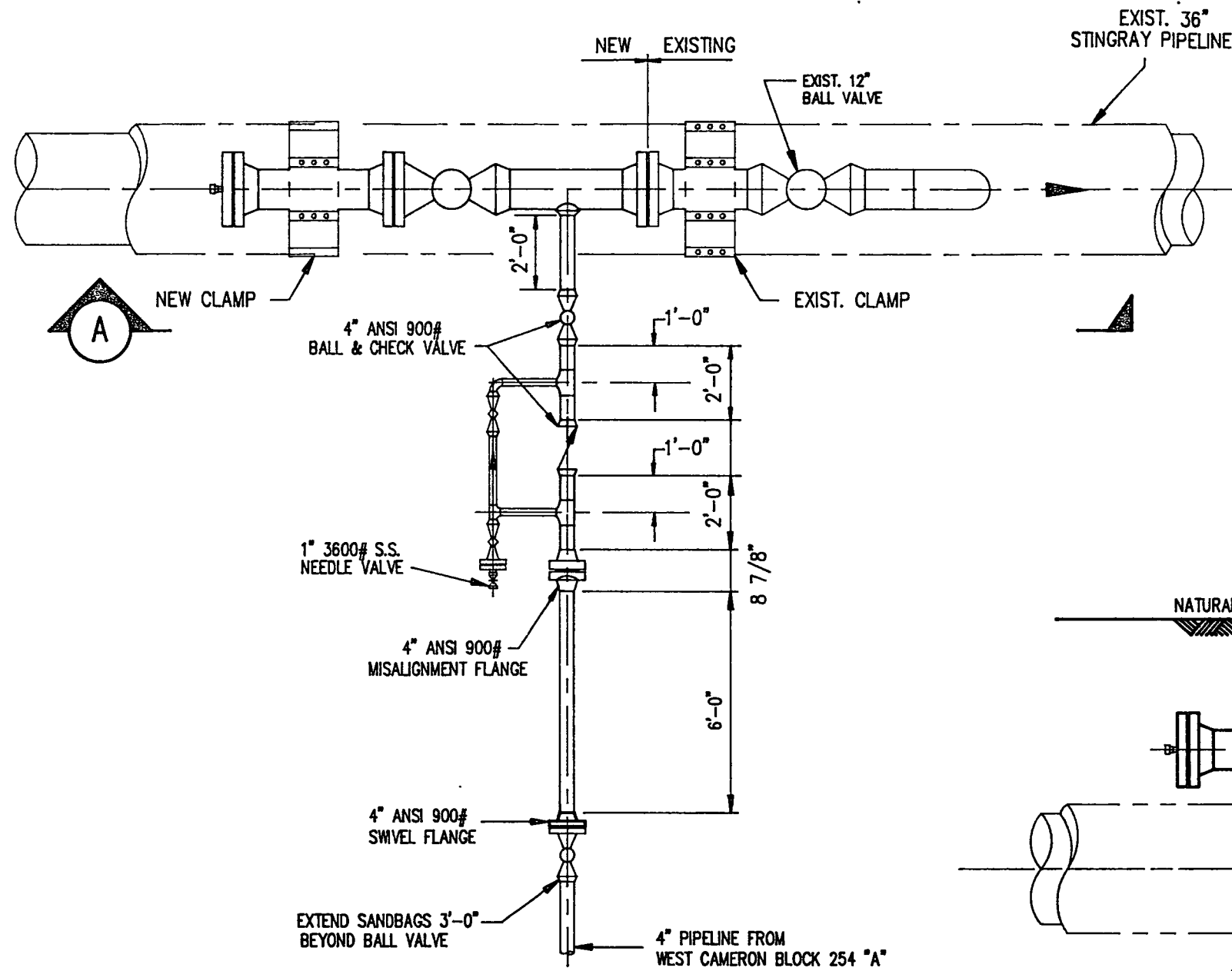
RISER PROTECTED BY:
FABRICATED PIPE RISER GUARD



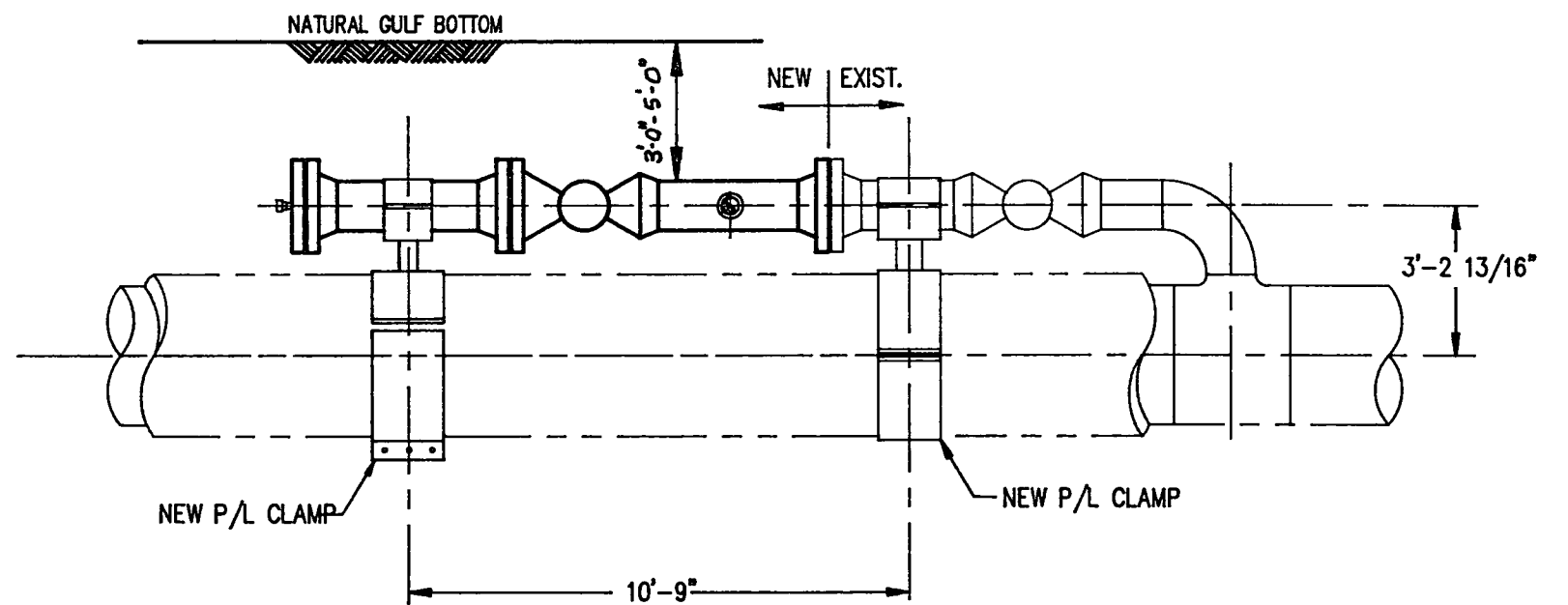
WALTER OIL & GAS CORP.

4.500" O.D. GAS PIPELINE
WEST CAMERON BLOCK 254 TO
WEST CAMERON BLOCK 258
GULF OF MEXICO

9-25-90 551-SK-001



PLAN
SCALE: 1/4" = 1'-0"



SECTION 'A'
SCALE: 1/4" = 1'-0"

OCT 04 1990

NOTES:

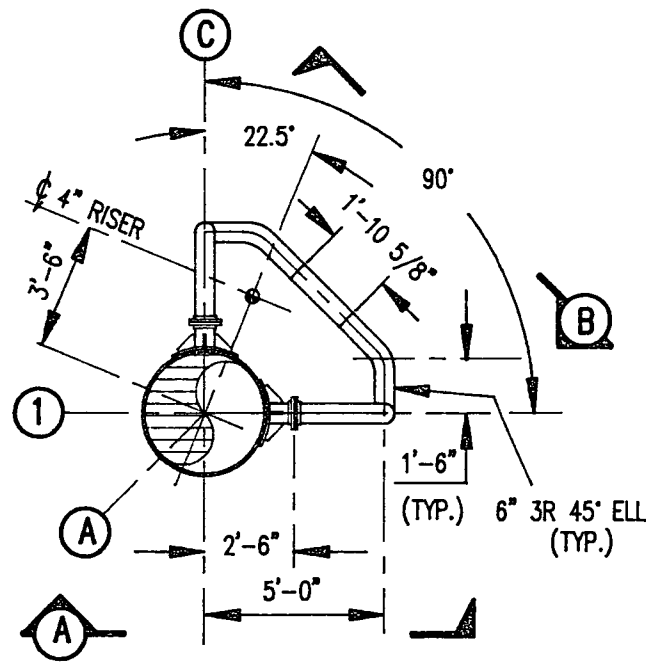
1. BACKFILL ALL EXCAVATION WITH SANDBAGS (SAND ONLY) TO CLOSE THE HOLE TO THE BOTTOMS NATURAL CONTOUR.
2. SANDBAGS OF CEMENT AND SAND MIXTURE ARE TO BE USED TO SUPPORT NEW VALVES.

BEST AVAILABLE COPY



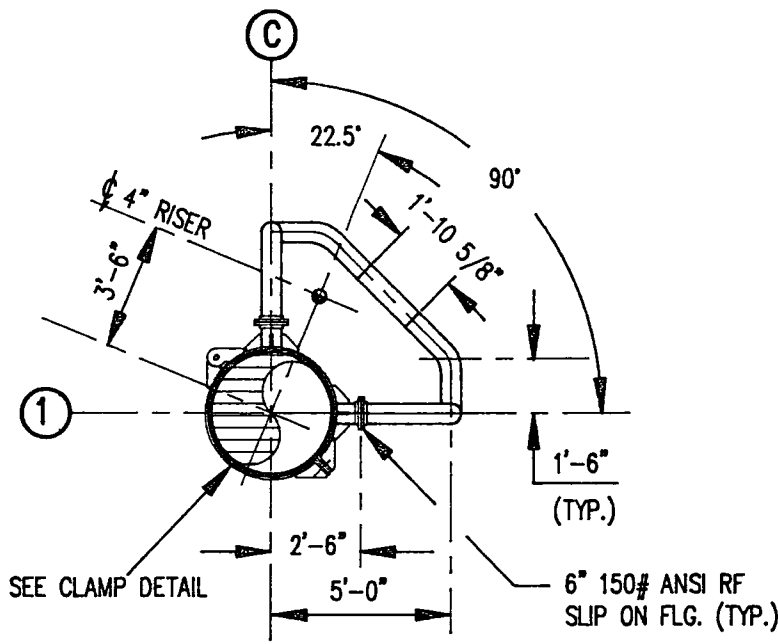
CONTINENTAL ENGINEERING & CONSTRUCTION SERVICES, INC.

LAFAYETTE	LOUISIANA
CLIENT	CLIENT REF.
WALTER OIL & GAS CORP.	
DRAWING TITLE	PROJECT ENG.
4" SUBSEA TIE-IN TO 36" STINGRAY P/L	
DESIGN ENG.	D.G.O.
JOB LOCATION	DESIGN ENG.
WEST CAMERON BLOCK 258	
DRAWN BY	SCALE
J. Lalalals	NOTED
CHECKED BY	DATE
el	9-24-90
DRAWING NO.	REV.
551-SK-002	



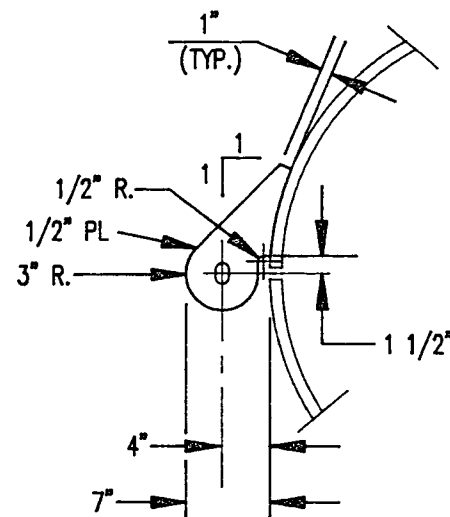
UPPER PLAN

SCALE --- 3/16" = 1'-0"



LOWER PLAN

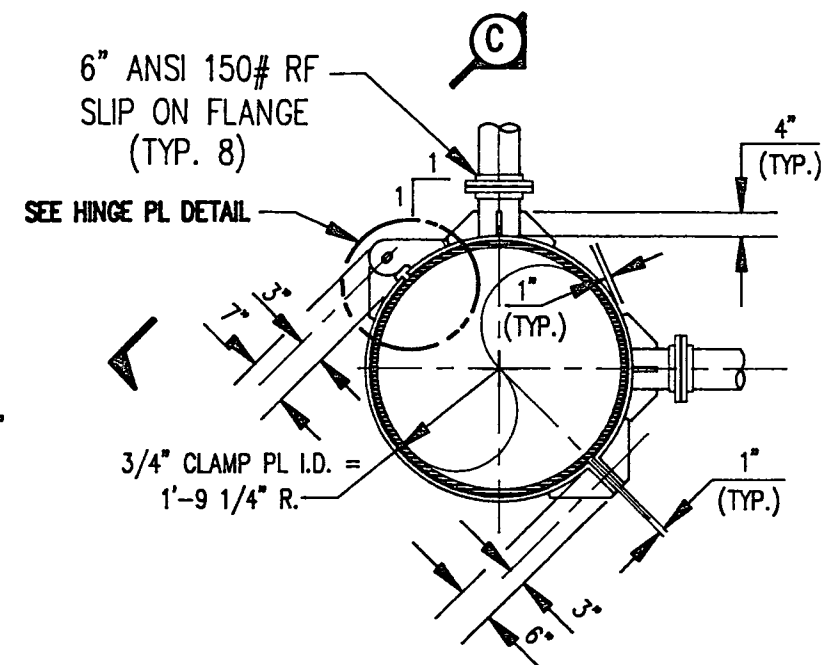
SCALE --- 3/16" = 1'-0"



HINGE PL DETAIL

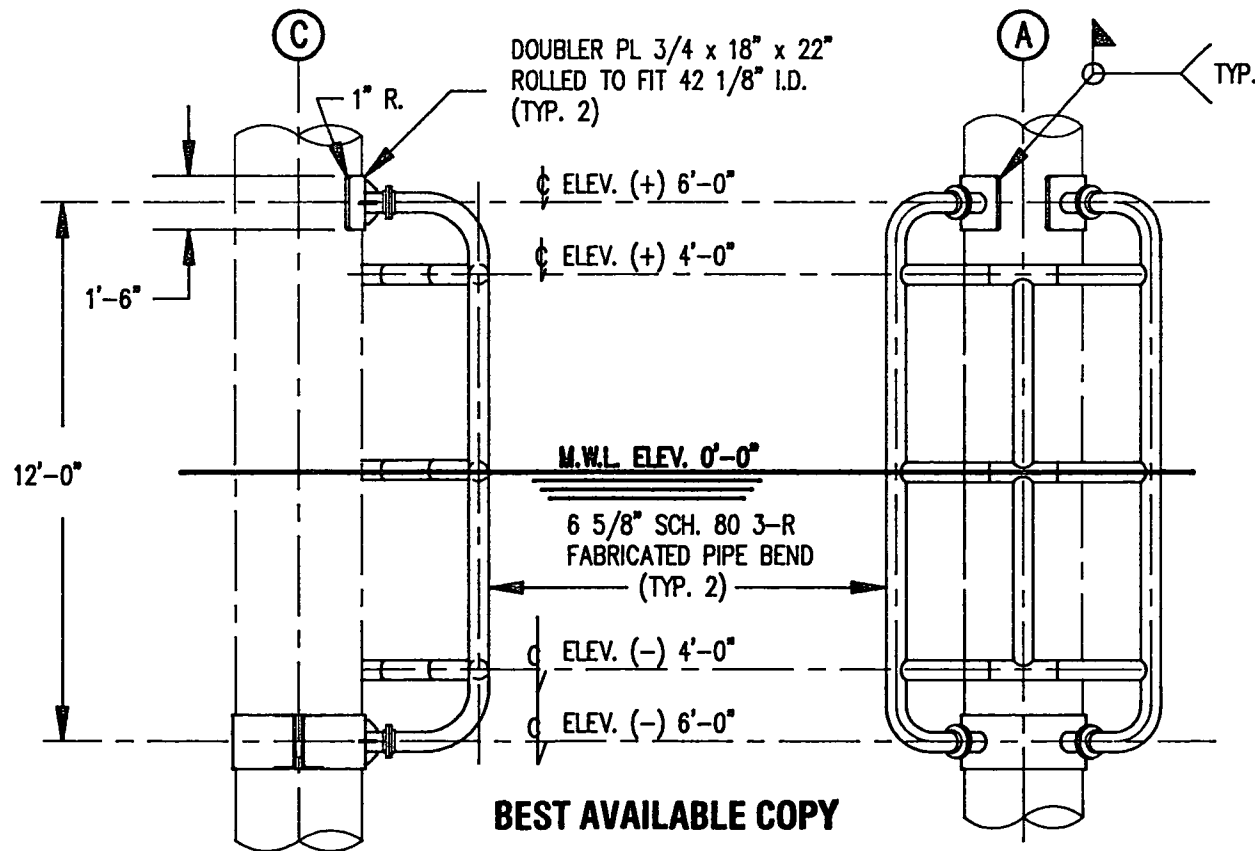
SCALE --- 1 1/2" = 1'-0"

TYP. 4



CLAMP DETAIL

SCALE --- 3/8" = 1'-0"



ELEVATION "A"

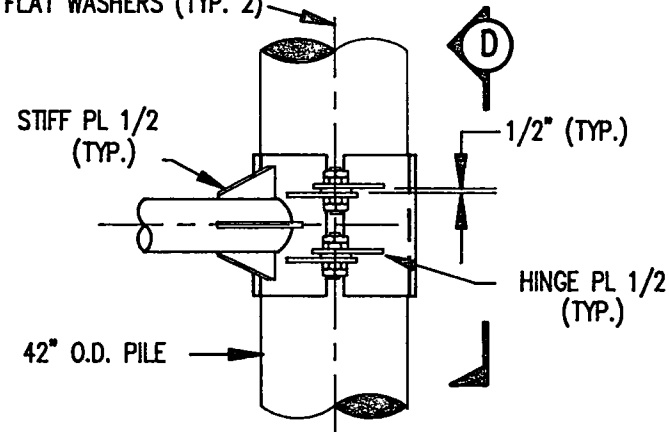
SCALE --- 3/16" = 1'-0"

ELEVATION "B"

SCALE --- 3/16" = 1'-0"

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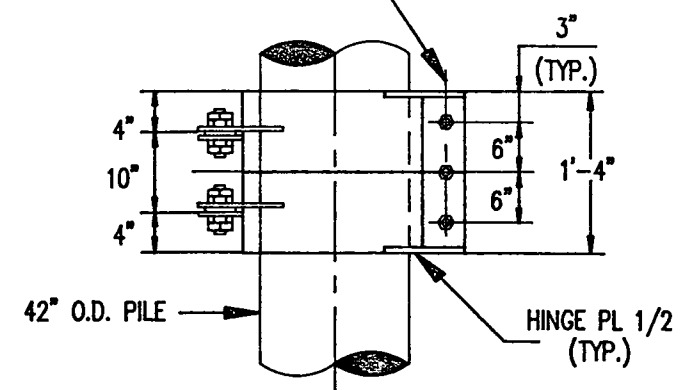
1 1/8" O.D. x 1 3/4" SLOTTED HOLES FOR 1" O.D. x 6" LG. STUDS W/ 4 H.H. NUTS & (2) 2 1/2" O.D. x 1 3/16" I.D. TEFLON COATED FLAT WASHERS (TYP. 2)



ELEVATION "C"

N.T.S.

1 1/8" O.D. HOLE FOR 1" O.D. x 6" LG FULL THR'D STUD BOLT W/4 H.H. NUTS EA. (TYP. 3 PLACES)



ELEVATION "D"

N.T.S.

OCT 04 1990

NOTES:

1. ALL STUDS, NUTS & FLAT WASHERS TO BE IMF COATED OR EQUAL.
2. BLAST & PAINT AS PER CE&CSI SPEC. NO. 002
3. ALL WELDS TO BE FULL PENETRATION, UNLESS OTHERWISE NOTED

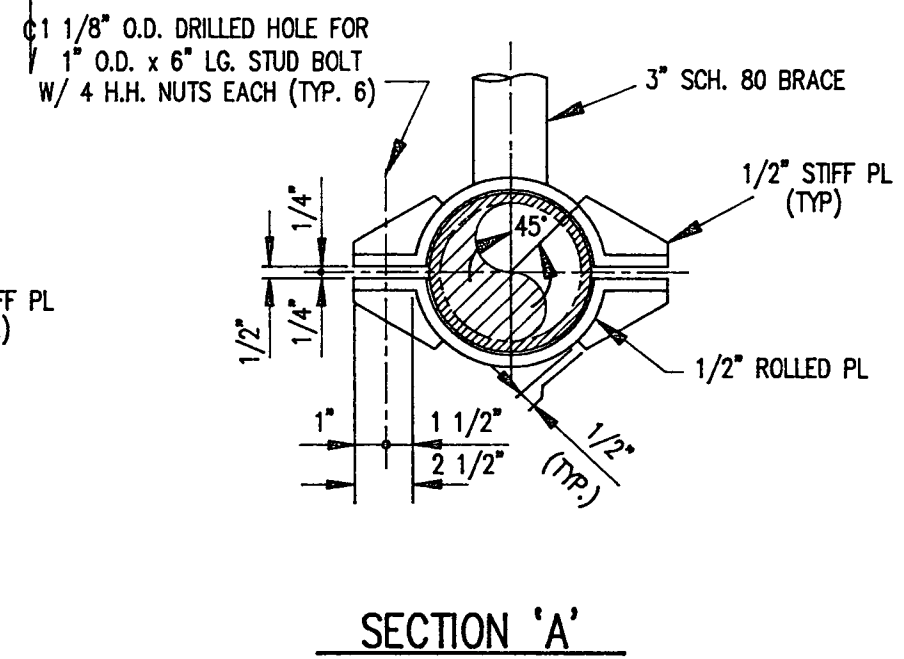
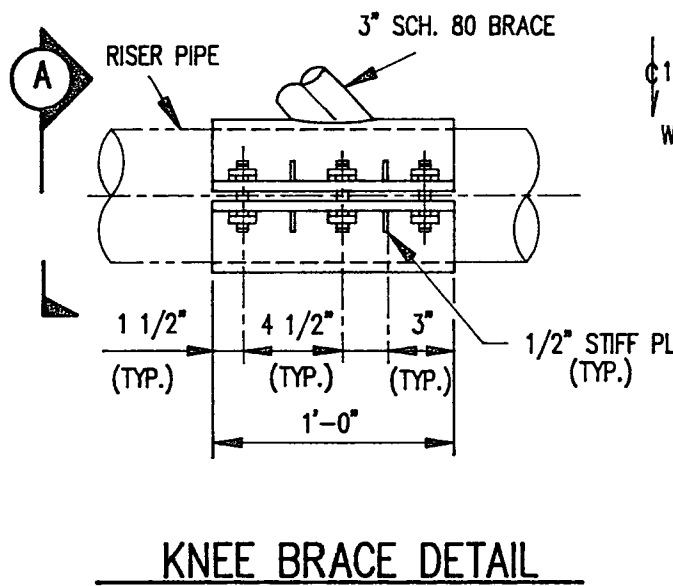
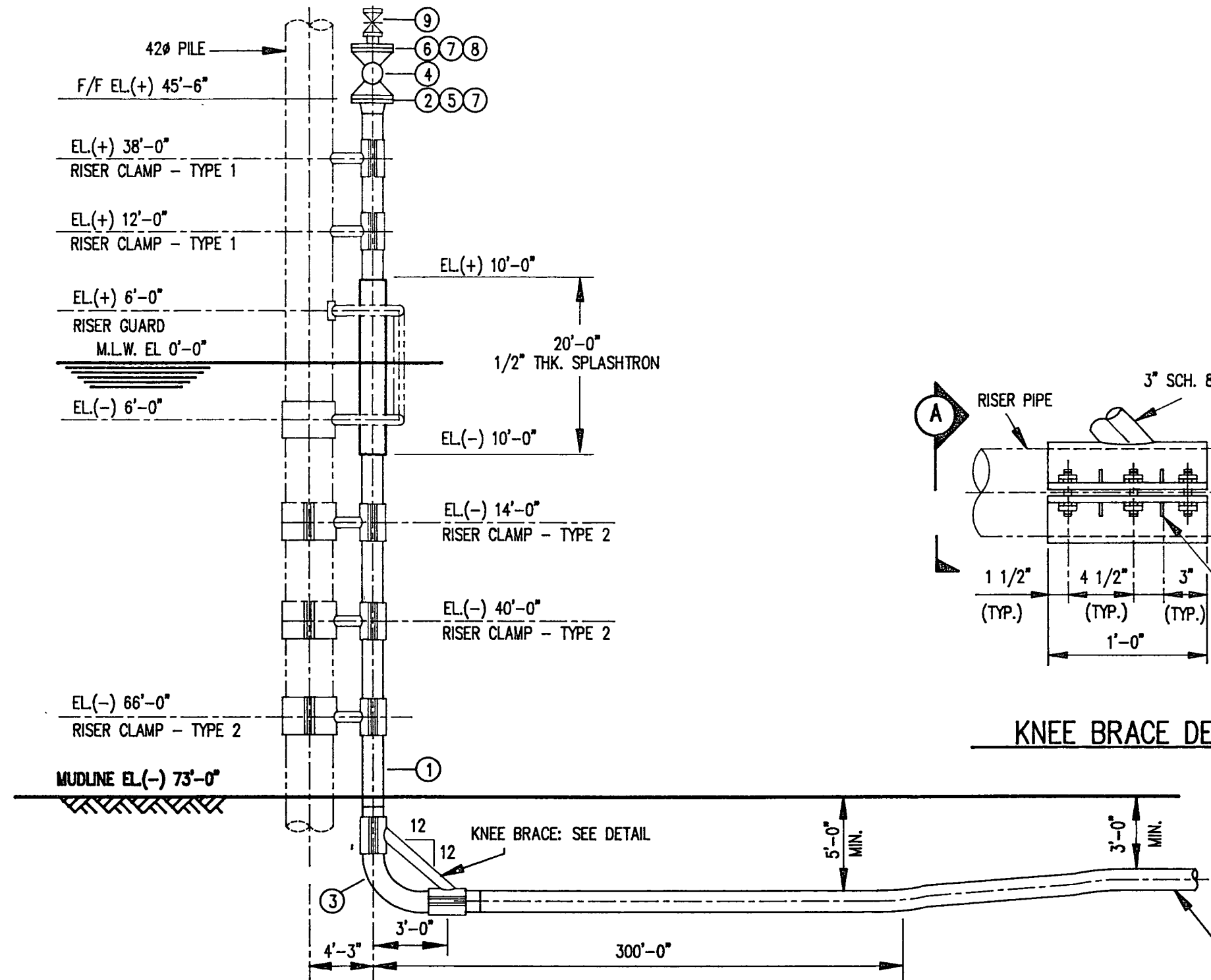


CONTINENTAL ENGINEERING & CONSTRUCTION SERVICES, INC.

LAFAYETTE	LOUISIANA
CLIENT	CLIENT REP.
WALTER OIL & GAS CORPORATION	PROJECT ENG.
DRAWING TITLE	RISER GUARD FOR 4" RISER
JOB LOCATION	WEST CAMERON BLOCK 254 "A"
DRAWN BY	SCALE
9. Leticia	NOTED
CHECKED BY	DATE
PLD	9-28-90
DRAWING NO.	551-SK-003
REV.	

BILL OF MATERIALS

ITEM	QTY.	DESCRIPTION
1.	130'-0"	PIPE: 4" SCH. 80 BORE, ASTM-A106 GR. B, SMLS
2.	1	FLANGE: 4" ANSI 600# RTJ WN, SCH. 80 BORE, A-105
3.	1	FABRICATED PIPE BEND: 4" SCH. 80 BORE, 5-R 90° WITH 5'-0" TANGENTS BOTH ENDS, BEVELED BOTH ENDS, A-106 GR. B
4.	1	BALL VALVE: 4" ANSI 600# RTJ. SCH. 80 FxF, FULL OPEN, CAMERON.
5.	8	STUD BOLTS: 7/8" O.D. x 6" LONG, B-7 ALLOY STEEL WITH 2 H.H. NUTS EACH, IMF3 COATED OR EQUAL.
6.	8	STUD BOLTS: 7/8" O.D. x 7" LONG, B-7 ALLOY STEEL WITH 2 H.H. NUTS EACH, IMF3 COATED OR EQUAL.
7.	2	RING GASKET: 4" ANSI 600# R-37, S.S.
8.	1	INSULATING FLANGE KIT: 4" ANSI 600# RTJ
9.	1	NEEDLE VALVE: 1/2" 3600 PSI, M x F, 31/26 S.S.



KNEE BRACE DETAIL

SECTION 'A'

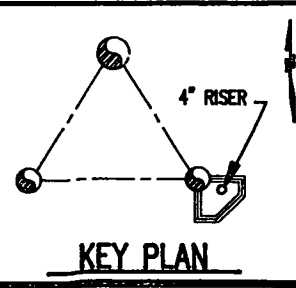
FOR CONT. & PIPELINE BILL OF MATERIALS
SEE DRAWING NO. 551-SK-010

001 04 1990

NOTES

- CONTRACTOR TO FIELD VERIFY LENGTH OF RISER & ELEVATION OF CLAMPS.
- FOR RISER CLAMPS SEE DRAWING NO. 551-C-301 & 551-C-302

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NO.	DATE	REVISION	BY:



CONTINENTAL ENGINEERING & CONSTRUCTION SERVICES, INC.

LAFAYETTE, LOUISIANA
CLIENT: **WALTER OIL & GAS CORPORATION**
DRAWING TITLE: **DETAIL FOR 4 1/2" O.D. RISER**
JOB LOCATION: **WEST CAMERON BLOCK 254 "A"**

DATE: 9-25-90
SCALE: N.T.S.
DRAWING NO.: 551-R-201

"AS-BUILT"
Changes
Marked in Red

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

Date: 10-22-90

OCS-G 12697

- 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):** 4 1/2 - inch gas + con. pipeline from Walter's Platform A in Block 254, across Block 259, to a subsea tie-in with Stringray's 36-inch pipeline (OCS-G 21220) in Block 258, all in the West Cameron 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) Separator
 - b. design working pressure _____
 - c. high-low pressure sensor settings _____
 2. "ANSI" ratings of all valves, flanges, and fittings between the source and the connecting pipeline are shown. 1440
 3. Pressure relief valves, where applicable, are shown with the setting set no higher than the maximum working pressure (MWP) of the vessel.
 - N/A 4. If the maximum input source pressure is greater than the maximum allowable operating pressure (MAOP) of the pipeline, redundant safety equipment is required.
 5. MAOP of proposed pipeline does not exceed MAOP of connecting pipeline. MAOP 1348 by # 7358
 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.
 - N/A 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.

- 9. The pipeline boarding the platform/pipeline is equipped with a check valve.
- No 10. The pipeline leaving the platform is equipped with a check valve.
- 11. The high-low pressure sensors on the departing pipeline is located upstream of the check valve.
- 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) 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.
- 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: Gas & Con

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

(1) Size 4.5 Wall Thickness .237 Grade B Weight 10.79 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 14.98 lbs/ft.

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

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

c. Subsea valve assembly:

(1) Size 4.5 Wall Thickness .337 Grade B Weight 14.98 lbs/ft.

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

3. Water depth: Maximum _____ Minimum 73

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 25 lbs. ea.

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

Yes _____ No _____

d. If pipeline anodes are used:

Formula: $L_{p/1} = 3.82 \times 10^4 \times W^0 / DIR =$

Where:

W^0 = Weight of Anode unit (lbs)

D = Dia. of pipe (inches)

I = Separation between anodes (ft.)

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

Aluminum or Galvalum = 7.6

Zinc = 26

Magnesium = 17.5

44 years

Does the calculated life expectancy equal or exceed 20 years?

Yes _____ No _____

5. Description of protective coating:

a. Pipeline 12 to 14 mils epoxy

b. Riser 12 to 14 mils epoxy + 1/2" splashtron

c. Subsea valve assembly 20 to 30 mils epoxy

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)

_____ a. For epoxy coating: $SG = 2.865W/D^2$ 1.5

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

_____ c. Lines with a specific thickness of concrete:

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

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

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

Where:

- SG = specific gravity
- RC = density of concrete (lb/cu. ft.)
- K_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. 1.53 b. _____ c. _____

_____ 9. Gravity or density of product(s) .62

_____ 10. Design capacity of pipeline 10 MM SCFD

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

Preinstallation Test _____ Riser 2160 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 viable during test

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

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

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

a. MAOP = $\frac{2(35,000)(.237)}{4.5} = 3687 \times .72 =$

b. MAOP = 2654

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 = $\frac{2(35,000)(.337)}{4.5} = 5242 \times .50 =$

b. MAOP = 2621

14. MAOP of flanges, fittings, and valves:

2.4 x ANSI rating = 1440

15. MAOP of proposed pipeline as determined in accordance with Title 49 CFR Part 195 or 192, as applicable, is 1348 psig. Tie-in p/c 1348

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)

$\frac{2160}{2216} \leq \frac{3503}{3503}$

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

$$IP \leq SMYS = \frac{2 \times S \times t}{D}$$

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

a. Submerged components: HTP/1.25 =

b. Riser: HTP/1.5 =

$\frac{2216}{1.5} = 1477$
 ~~$\frac{2160}{1.5} = 1440$~~

19. Valve guaranteed: Yes No

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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.
- 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:

- N/A 1. All pipeline crossings in water depths up to and including 200 feet shall be cement-bagged with a minimum of 18 inches between the lines with the uppermost line having a minimum of 3 feet of cover in the form of cement bags installed so as to provide a three foot horizontal to a one foot vertical (3:1) slope with a crown width that is one and one-half (1½) times the pipe diameter. Any deviation must be justified at the time of application.
- N/A 2. All pipeline crossings in water depths greater than 200 feet shall be cement bagged with a minimum of 18 inches between the lines and installed so as to provide a three foot horizontal to a one foot vertical (3:1) slope. Any deviation must be justified at the time of application.

F. Construction Information:

- 1. Proposed construction commencement date Dec '90
- 2. Method of construction
- 3. Method of burial
- 4. Time required to lay pipe two weeks
- 5. Time required to complete project 3 weeks

G. Applicant complies with current OCS pipeline guidelines:

Yes No

UNITED STATES GOVERNMENT
MEMORANDUM



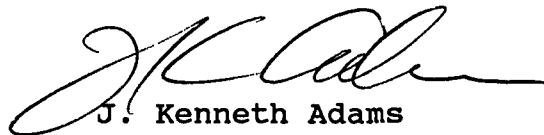
October 25, 1990

To: Regional Supervisor, Field Operations, GOM OCS Region
(MS 5200)

From: Regional Supervisor, Leasing and Environment, GOM OCS
Region (MS 5400)

Subject: National Environmental Policy Act Review for Pipeline
Right-of-Way Application OCS-G 12697

Our National Environmental Policy Act (NEPA) review of the
subject action is complete. Environmental protective measure(s),
if any, identified to avoid or mitigate potential impacts
associated with the action were included as part of the NEPA
analysis and are shown on the Categorical Exclusion Review (CER).


J. Kenneth Adams

Attachment

cc: Pipeline File OCS-G 12697 (MS 5440)

United States Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Region

NEPA CATEGORICAL EXCLUSION REVIEW

The Categorical Exclusion Review (CER) evaluated the proposed action(s) and determined that it meets the categorical exclusion criteria as defined by 516 DM 2.3A(1) which states "(a) The action or group of actions would have no significant effect on the quality of the human environment, and (b) The action or group of actions would not involve unresolved conflicts concerning alternative uses of available resources." The exclusion of this activity from future environmental analysis is conditioned on the imposition of the following mitigative measure(s). These measures are to ensure environmental protection, consistent environmental policy, and safety as required by the NEPA.

Environmental Protective Measures

The following measure was identified in the plan/application by the lessee/operator submitting the proposal: None.

The measures identified by MMS during the plan/application review or in the lease stipulation were:

Our analyses indicate the following as potential hazards to the proposed activities. Therefore, precautions in accordance with NTL No. 83-3, Section IV.B, will be taken prior to conducting operations.

Pipelines

<u>Name</u>	<u>Diameter</u> (inches)	<u>Block</u>	<u>Area</u>
Stingray	36	258	West Cameron

Exclusion Determination

The proposed action was evaluated and reviewed against the CER exception criteria defined by 516 DM 2.3.A(3). With inclusion of the above mitigation, it does not represent an exception to the categorical exclusions. Therefore, preparation of an EA is not required.

10/25/90
Date

[Signature]
Preparer

10-25-90
Date

[Signature]
Chief, Environmental
Operations Section

I concur.

10-25-90
Date

[Signature]
Regional Supervisor,
Leasing and Environment