



Chevron U.S.A. Inc.
P.O. Box 39100, Lafayette, LA 70593-9100

3N811

OCS-G-8938

July 22, 1993

Pipeline Abandonment Completion
Right-of-Way Pipeline
R.O.W. OCS-G 8938, Seg. No. 8111
West Cameron 530 #1

U.S. Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Region
1201 Elmwood Park Boulevard
New Orleans, LA 70123-2394

Attention: Mr. Mike Conner (MS 5232)

Gentlemen:

Chevron U.S.A., Inc. hereby notifies your office that our 3" bulk pipeline (segment no. 8111) connecting West Cameron 530 #1 (OCS-G 5019) with West Cameron 534 "A" (OCS-G 2226) has been abandoned per 30 CFR 250.156. The subject abandonment was completed on July 10, 1993. Verbal approval to Chevron's Application to Relinquish Pipeline R.O.W. OCS-G 8938, dated March 4, 1993, was granted by Mr. Mike Conner of your office on June 16, 1993.

If you have any questions pertaining to this abandonment, please contact Mr. J. V. (Vance) Mackey at (318) 989-3063 or Mr. D.L. (Donald) Bucklin at (318) 989-3082 in Chevron's Lafayette, Louisiana office.

Yours very truly,

for

D.L. Bucklin
Facilities Engineering Supervisor
Chevron U.S.A. Inc., Acting by and through
Chevron U.S.A. Production Company, a
division thereof

530piabc/jvm

B8938
8111



SN 8111

In Reply Refer To: MS 5421
OCS-G 8938

July 15, 1993

ACTION

Chevron U.S.A. Inc.

Right-of-way

RELINQUISHMENT OF RIGHT-OF-WAY GRANT
ABANDONMENT OF PIPELINE

On June 10, 1987, Chevron U.S.A. Inc. filed an application for a right-of-way two hundred feet (200') in width for the construction, maintenance, and operation of a 3½-inch bulk gas pipeline, 3.34 miles in length, from Chevron U.S.A. Inc.'s Well No. 1 in Block 530, West Cameron Area, South Addition, across Block 531, West Cameron Area, South Addition, to Chevron U.S.A. Inc.'s Platform A in Block 534, West Cameron Area, South Addition. By Action dated August 6, 1987, the application was approved and the right-of-way granted. Proof of construction was subsequently accepted on October 16, 1987, on 3.35 miles of line pipe.

ec 1

On March 12, 1993, Chevron U.S.A. Inc. requested relinquishment of the above-described right-of-way in its entirety. Additionally, grantee requested permission to abandon in place the subject pipeline in accordance with 30 CFR 250, Subpart J.

Inasmuch as grantee has agreed to comply with 30 CFR 250, Subpart J, removal of the 3.35 miles of line pipe is hereby waived. Verbal approval to begin abandonment operations was granted to Chevron U.S.A. Inc. on June 16, 1993.

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, Chevron U.S.A. Inc. shall be required to remove it.

Therefore, relinquishment of the right-of-way grant associated with the above-described pipeline that is to be abandoned in place is hereby accepted, effective March 12, 1993.

On May 1/21/93
H

Chevron U.S.A. Inc. shall, within 30 days after completion of the abandonment, submit a report to this office informing the Minerals Management Service of the date the abandonment was completed and verify such abandonment was completed as approved.

(Orig. Sgd.) J. ROGERS PEARCY

J. Rogers Percy
Regional Director

cc: Case File

MHHOLMES/

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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 8938

July 15, 1993

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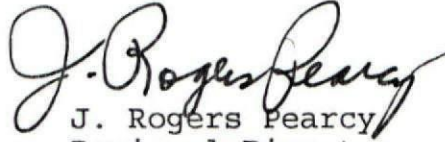
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OCS-G 8938

Page 2

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J. Rogers Pearcy
Regional Director

cc: Case File

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3/15/93

To: Adjudication Unit (MS 5421)
From: Pipeline Unit, Field Operations (MS 5232)
Subject: Right-of-Way Relinquishment/Abandonment

RECEIVED

MAR 16 1993

Company: CHEVRON USA INC.

MINERALS MANAGEMENT SERVICE
LEASING & ENVIRONMENT

Right-of-Way Number: DCS-G-8938

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
 Pipeline never constructed

Mike Conner

Enclosure



Chevron U.S.A. Inc.
 P.O. Box 39100, Lafayette, LA 70593-9100

March 4, 1993

Application to Relinquish
 Pipeline Right-of-Way Grant
 West Cameron 530 #1
R.O.W. OCS-G 8938, Seg.No. 8111

U.S. Department of the Interior
 Minerals Management Service
 Gulf of Mexico OCS Region
 Regional Supervisor Field Operations
 1201 Elmwood Park Boulevard
 New Orleans, LA 70123-2394



Attention: Mr Mike Conner (MS 5232)

Gentlemen:

Pursuant to the authority granted in 30 CFR 250.164, and in compliance with the regulations contained in Title 30 CFR Part 250 Subpart J, Right-of-Way Pipeline on the Outer Continental Shelf, Chevron U.S.A. Inc. is filing this application in triplicate for the relinquishment of the Right-of-Way grant OCS-G 8938 (in its entirety) and the abandonment of pipeline Segment No. 8111.

<u>Pipeline Segment No.</u>	<u>Size (Inches)</u>	<u>Length (Feet)</u>	<u>Service</u>	<u>From</u>	<u>To</u>
8111	3	17,675	Bulk	WC Blk. 530 Caisson #1 OCS-G 5019	WC Blk. 534 Platform 'A' OCS-G 2226

Chevron proposes to abandon the subject pipeline as shown on the attached drawing by utilizing the following procedure:

1. Flush the pipeline with seawater from WC 530 #1 to WC 534 "A" where the seawater will be processed and disposed.
2. Fill the pipeline with seawater.
3. Separate pipeline from riser at base of riser at WC 530 #1 and WC 534 'A' removing 15 feet of pipe from each end (see attached drawing LA-2612).
4. Plug all pipeline ends, provide 3 feet of cover on pipeline ends by utilizing sandbags and abandon 17,645 feet of 3-inch pipe in place.

Chevron U.S.A. Inc.'s shore base for operations will be Intracoastal City, Louisiana.

ACCEPTED

 Regional Director
 Effective Date MAR 12 1993

The pipeline abandonment is scheduled for early June of 1993. This pipeline abandonment is required because reserves in the West Cameron 530 lease, OCS-G 5019, are depleted and Chevron U.S.A. Inc. is required to abandon this lease.

Additionally Chevron U.S.A. Inc. expressly agrees that if any site, structure, or object of historical or archeological significance should be discovered during the conduct of any operations within the permitted Right-of-Way, we shall report immediately such findings 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.

Please refer to Chevron U.S.A. Inc.'s Miscellaneous No. 078 file for previously filed and accepted pipeline Right-of-Way qualifications as well as other appropriate documents authorizing the below signature.

Chevron U.S.A. Inc. hereby agrees to keep open at all reasonable times for inspection by the Minerals Management Service, the area covered by this Right-of-Way and all improvements, structures and fixtures thereon and all records relative to the design, construction, operation, maintenance, and repairs or investigations on or with regard to such area.

We appreciate your prompt consideration of this request. If you have any questions pertaining to this information, please contact Mr. J.V. (Vance) Mackey at (318) 989-3063 or Mr. D.L. (Don) Bucklin at (318) 989-3082 in Chevron's Lafayette, Louisiana office.

Yours very truly,



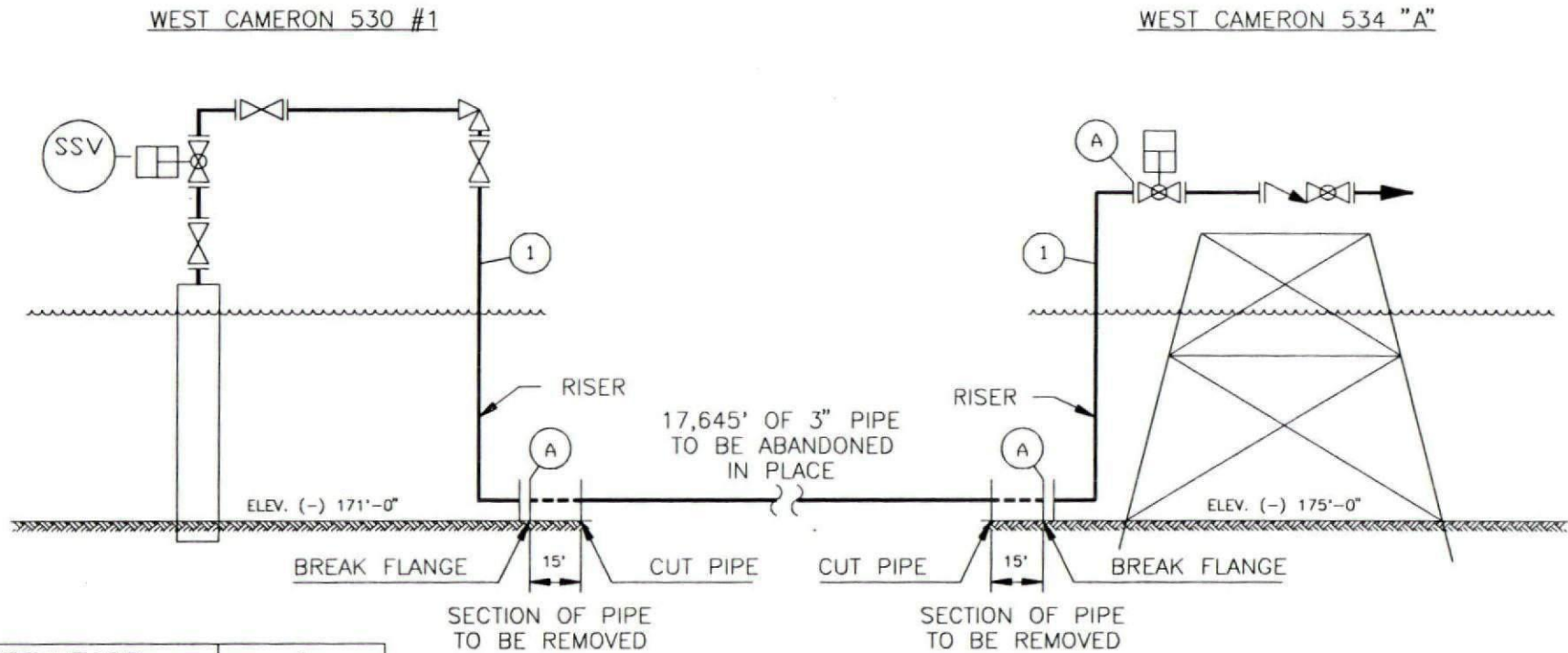
G.T. Cole
Assistant Secretary
Chevron U.S.A., Inc.

Attachments: Pipeline Schematic - Drawing No. LA-2612
Pipeline As-Built Plat

JVM

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MARK	SIZE	RATING	DESCRIPTION
A	3"	ANSI	1500# WNRTJ FLANGE SCH. 160 BORE



PIPELINE TAG	1
MMS SEGMENT No.	8111
PIPELINE OWNER	CHEVRON
PIPELINE SERVICE	BULK
PIPELINE LENGTH	17,675'
PIPELINE SIZE	3"
PIPE RATING OR W.T.	SCH. 160

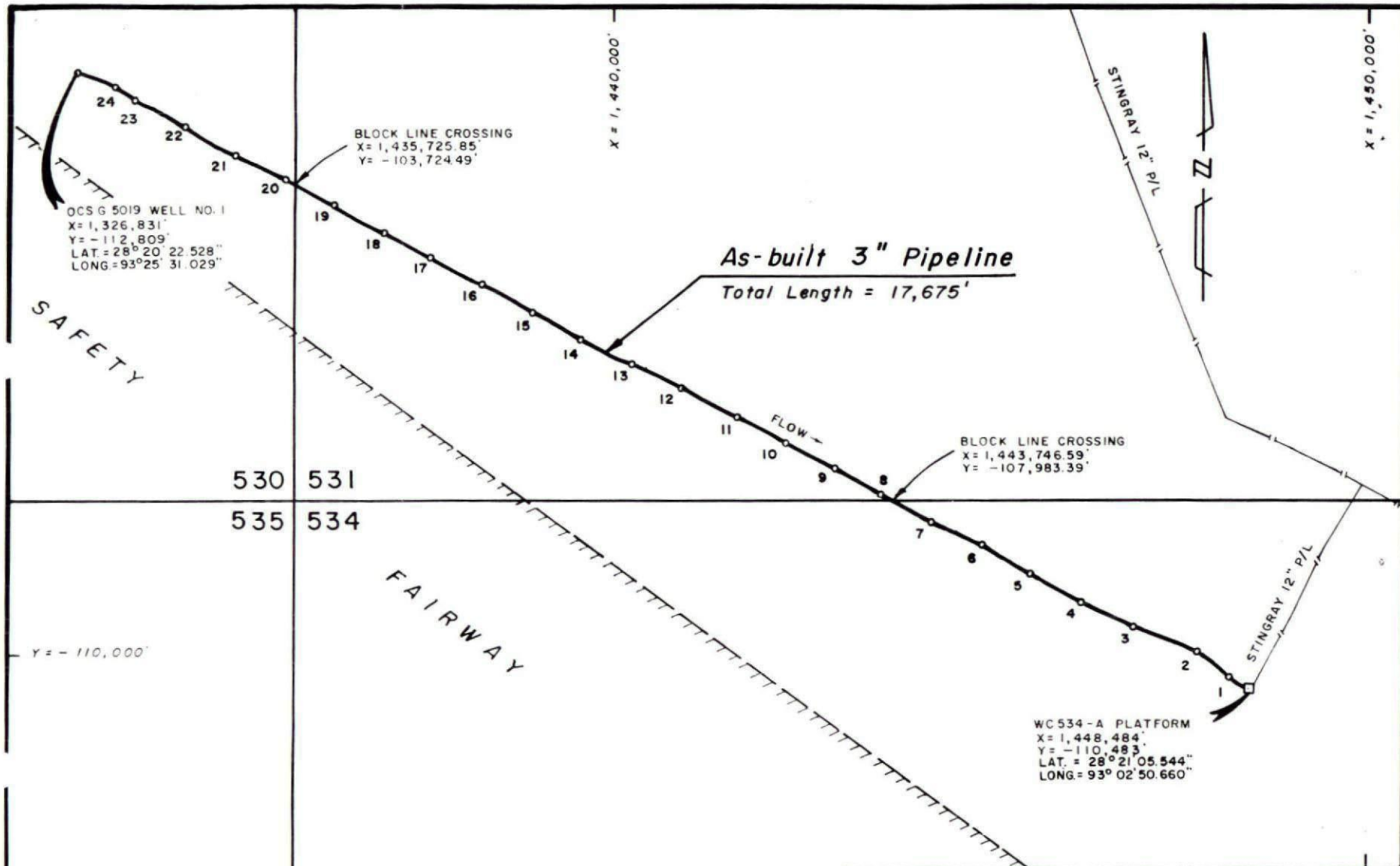
NOTE: ALL PIPELINE ENDS WILL BE PLUGGED AND PROVIDED WITH 3 FEET OF COVER.

WEST CAMERON BLOCK 530 #1
 WEST CAMERON BLOCK 534 "A"
 PIPELINE ABANDONMENT DATA SHEET
 MMS SEGMENT 8111



Chevron U.S.A. Inc.
 Gulf Of Mexico - Production Business Unit
 Western Profit Center

DR. BY	B.C.	CHK. BY	JVM
SCALE	NONE	DATE	03/04/93
MAP NO.	LA-2612	FILE NO.	AA-2612



AS-BUILT DATA		
POINT	X COORDINATE	Y COORDINATE
WC 534-A	1,448,484'	-110,483'
Anode 1	1,448,176'	-110,328'
Anode 2	1,447,753'	-109,990'
Anode 3	1,446,913'	-109,639'
Anode 4	1,446,215'	-109,108'
Anode 5	1,445,565'	-108,953'
Anode 6	1,444,900'	-108,567'
Anode 7	1,444,247'	-108,241'
Anode 8	1,443,571'	-107,893'
Anode 9	1,442,914'	-107,524'
Anode 10	1,442,263'	-107,180'
Anode 11	1,441,625'	-106,836'
Anode 12	1,440,901'	-106,468'
Anode 13	1,440,258'	-106,122'
Anode 14	1,439,582'	-105,793'
Anode 15	1,438,923'	-105,430'
Anode 16	1,438,252'	-105,064'
Anode 17	1,437,559'	-104,693'
Anode 18	1,436,927'	-104,366'
Anode 19	1,436,270'	-104,006'
Anode 20	1,435,607'	-103,663'
Anode 21	1,434,930'	-103,328'
Anode 22	1,434,274'	-102,961'
Anode 23	1,433,611'	-102,599'
Anode 24	1,433,352'	-102,429'
OCS G 5019 No.1	1,432,882'	-102,219'

NOTES: 1. As-built data was obtained by fixing stinger positions with a sleds positioning system on the barge at the time of pipe lay.

BEST AVAILABLE COPY

I hereby certify that the plat shown hereon correctly represents a survey done under my supervision.

Robert D. Ellis
 Robert D. Ellis Reg. No. 4006



DATUM
 SPHEROID: CLARKE 1866
 PROJECTION: LAMBERT
 ZONE: LOUISIANA SOUTH

AQUANAV

CHEVRON
 AS-BUILT 3" PIPELINE
 WC534-A TO OCS G 5019 No.1
 WEST CAMERON AREA

JOB # 87060 SCALE 1"=2000' DATE 8/31/87

Britton 10-15-87
Howard 10/14/87
Stauffer 10/15/87

512811

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OCT 16 1987

In Reply Refer To: FO-2-2
OCS-G 8938

ACTION

Chevron U.S.A. Inc. : Pipe Line Right-of-Way
: :
: Date of Permit: 8-6-87
: :
: Proof of Construction
: Received: 9-23-87

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 3.35 miles.

(Orig. Sgd.) J. Rogers Pearcy

J. Rogers Pearcy
Regional Director

bcc: P/L OCS-G 8938 (FO-2-2)
P/L OCS-G 8938 (w/attachments) (K. Faust) (FO-2-2)
ORD Reading File
OPS-6 (w/copy of location plat)

ABritton:mcs:10/15/87:LEXITYPE Disk 6

on map
10/20/87
KX



Chevron U.S.A. Inc.
P. O. Box 51743, Lafayette, LA 70505

OCS-G-8938

September 17, 1987

W. R. Herrin
Manager
Western Production Division

Notification of Completion
3-Inch Pipeline
West Cameron Block 530
Permit No. OCS-G-8938

Minerals Management Service
Gulf of Mexico, OCS Region
1201 Elmwood Park Blvd.
New Orleans, LA 70123-2394

Attention: Regional Supervisor
Rules and Production FO-2-2



Gentlemen:

In accordance with your August 10, 1987 approval of our May 6 pipeline installation request, this is to notify you of the completion of our 3-inch pipeline, Permit No. OCS-G-8938, from West Cameron 530 No. 1 caisson to West Cameron 534 "A" Structure on August 27, 1987.

A plat showing the "as-built" location and the hydrostatic test data are enclosed.

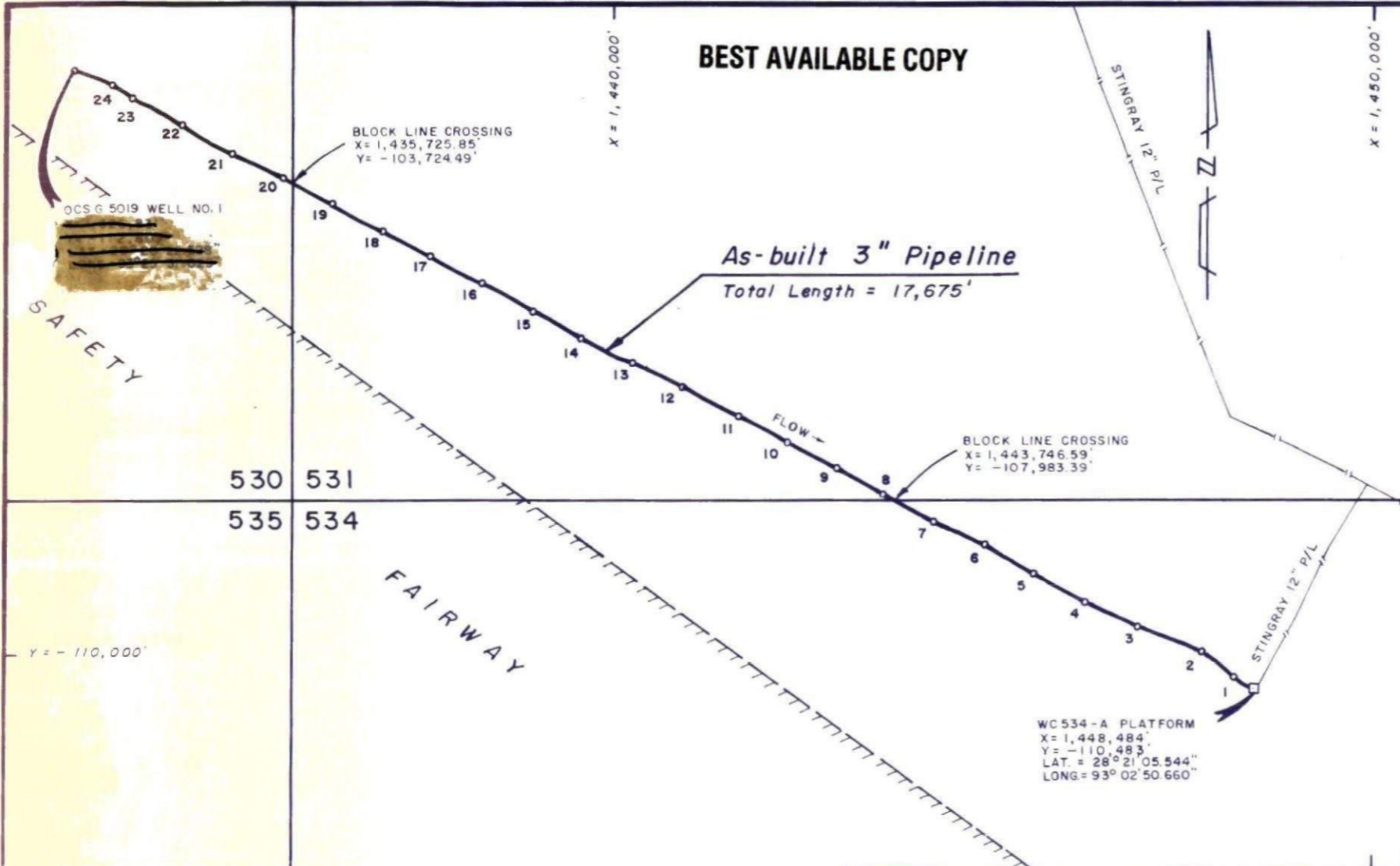
Yours very truly,

SRK/das

Enclosure

2G3654

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AS-BUILT DATA		
POINT	X COORDINATE	Y COORDINATE
WC 534-A	1,448,484'	-110,483'
Anode 1	1,448,176'	-110,328'
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OCS-G 8938

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Robert D. Ellis
 Robert D. Ellis Reg. No. 4006



DATUM
 SPHEROID: CLARKE 1866
 PROJECTION: LAMBERT
 ZONE: LOUISIANA SOUTH

AQUANAV

CHEVRON		
AS-BUILT 3" PIPELINE WC534-A TO OCS G 5019 No.1 WEST CAMERON AREA		
JOB # 87060	SCALE 1"=2000'	DATE 8/31/87

005-68938

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CHEVRON U.S.A. INC.

PIPELINE HYDROSTATIC TEST REPORT

FIELD: WEST CAMERON 534
FROM: W.C. 530 No. 1 TO: W.C. 534 "A"
PIPELINE: SIZE 3 $\frac{1}{2}$ " x 0.300 LENGTH 17.675
TEST PROCEDURE: PRESSURE UP TO 90% HOLD 15 MIN. BLEED TO 50% PRESSURE TO 90% HOLD 15 MIN. PRESSURE TO 100% - 8 HRS.
TEST PRESSURE: 5400 PSIG TEST TIME: 8 HRS.
DATE: AUGUST 27, 1987
REMARKS: MAXIMUM WORKING PRESSURE - 3600 PSIG.
PRESSURE RECORDER - BARTON 242A - S.I. 111
DEAD WEIGHT TESTER: S.L.-8, S.N. 17723
TEST PERFORMED BY NORMAN OPC, INC.
TEST WITNESSED BY: S.R. KNOWLES / J.L. SMITH

S.R. Knowles

NORMAN OFFSHORE PIPELINE CONTRACTORS, INC.



A MINORITY BUSINESS ENTERPRISE

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

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Page 1 of 1

PIPELINE COMPANY N.O.P.C. JOB NO: 1,141
 PIPELINE CONTRACTOR CHEVRON W.O. NO: _____
 AFE NO: _____
 TEST SECTION NO. _____ FROM _____ TO _____
 TEST BEGAN: DATE 8-27-87 TIME 1310 PRESSURE UNIT NO. _____ STATION NO. _____
 TEST END: DATE 8-27-87 TIME 2114 ELEVATION _____
 PIPE DATA: 3 1/2" O.D. 1300 WALL

DEADWEIGHT SERIAL NUMBER SI-8 DATE CERTIFIED 8-20-87
 PRESSURE RECORDER SERIAL NUMBER SI-111 DATE CERTIFIED 8-20-87
 TEMPERATURE RECORDED SERIAL NUMBER R-15159 DATE CERTIFIED 8-16-87
 TEST IS ACCEPTED REJECTED IF REJECTED, EXPLAIN _____

DEADWEIGHT RECORD

TEMPERATURE

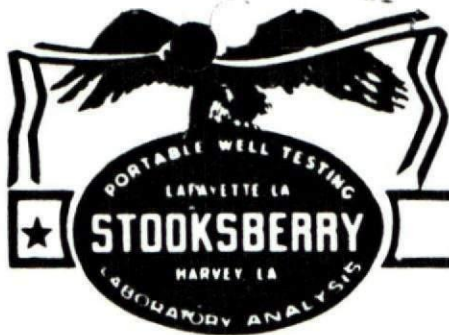
TIME	PRESSURE	PIPE OR GROUND	REMARKS
1310	5450 P.S.I.		ON TEST
1330	5447 P.S.I.		
1345	5447 P.S.I.		
1400	5447 P.S.I.		
1415	5447 P.S.I.		
1430	5445 P.S.I.		
1500	5445 P.S.I.		
1530	5445 P.S.I.		
1600	5445 P.S.I.		
1630	5445 P.S.I.		
1200	5445 P.S.I.		
1800	5445 P.S.I.		
1900	5445 P.S.I.		
2000	5445 P.S.I.		
2100	5445 P.S.I.		
2110	5445 P.S.I.		
2114	5445 P.S.I.		OFF TEST. BLEEDING LINE DOWN TO 300 P.S.I.

TEST FOREMAN

Keith Lorraine
(SIGNATURE)

INSPECTOR

J.R. Knowl
(SIGNATURE)



1-141
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INCORPORATED

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

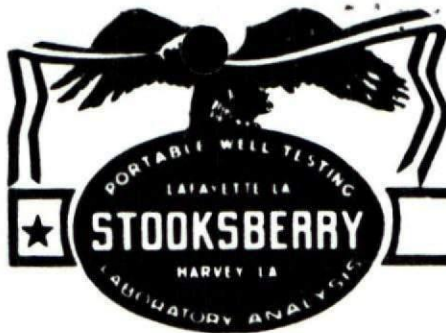


Dear Sirs:

This letter is to certify the following calibration procedure of this Barton Temperature Recorder. The Temperature Recorder was checked by the following equipment; by Thermometer DT-8310 and Thermometer 9L7720 both are traceable to the National Bureau of Standards.

UP		DOWN	
Therm	REC.	Therm	REC.
<u>32</u>	<u>32</u>	<u>300</u>	<u>300</u>
<u>60</u>	<u>60</u>	<u>275</u>	<u>275</u>
<u>92</u>	<u>92</u>	<u>240</u>	<u>240</u>
<u>121</u>	<u>121</u>	<u>211</u>	<u>211</u>
<u>153</u>	<u>153</u>	<u>184</u>	<u>184</u>
<u>187</u>	<u>187</u>	<u>151</u>	<u>151</u>
<u>212</u>	<u>212</u>	<u>119</u>	<u>119</u>
<u>246</u>	<u>246</u>	<u>91</u>	<u>91</u>
<u>279</u>	<u>279</u>	<u>58</u>	<u>58</u>
<u>300</u>	<u>300</u>	<u>32</u>	<u>32</u>

Recorder S/N # R - 15159
Calibrated By Allen Cudeem
Date 8-16-87



BEST AVAILABLE COPY

Bolted & Welded Tanks

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

Dear Sirs:

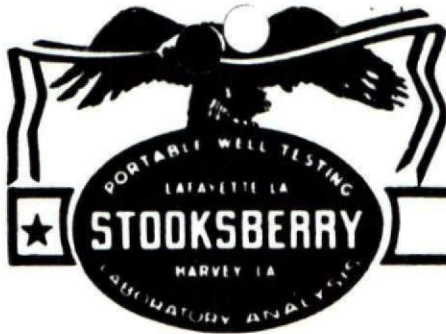
This letter is to certify the following calibration procedure of this Chandler Deadweight Tester. The Deadweight Tester was checked by the following equipment; by 3D Gauge S/N # 8505040N and Deadweight Tester S/N # 17723 both are traceable to the National Bureau of Standards.

UP		DOWN	
DW	REC.	DW	REC.
<u>0</u>	<u>0</u>	<u>10000</u>	<u>10000</u>
<u>1000</u>	<u>1000</u>	<u>9000</u>	<u>9000</u>
<u>2000</u>	<u>2000</u>	<u>8000</u>	<u>8000</u>
<u>3000</u>	<u>3000</u>	<u>7000</u>	<u>7000</u>
<u>4000</u>	<u>4000</u>	<u>6000</u>	<u>6000</u>
<u>5000</u>	<u>5000</u>	<u>5000</u>	<u>5000</u>
<u>6000</u>	<u>6000</u>	<u>4000</u>	<u>4000</u>
<u>7000</u>	<u>7000</u>	<u>3000</u>	<u>3000</u>
<u>8000</u>	<u>8000</u>	<u>2000</u>	<u>2000</u>
<u>9000</u>	<u>9000</u>	<u>1000</u>	<u>1000</u>
<u>10000</u>	<u>10000</u>	<u>0</u>	<u>0</u>

Deadweight S/N # SI - 8

Calibrated By Allen Cude

Date 8-20-87



BEST AVAILABLE COPY

INCORPORATED

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

Bolted & Welded Tanks

Dear Sirs:

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

UP		DOWN	
DW	REC.	DW	REC.
<u>0</u>	<u>0</u>	<u>10000</u>	<u>10000</u>
<u>1000</u>	<u>1000</u>	<u>9000</u>	<u>9000</u>
<u>2000</u>	<u>2000</u>	<u>8000</u>	<u>8000</u>
<u>3000</u>	<u>3000</u>	<u>7000</u>	<u>7000</u>
<u>4000</u>	<u>4000</u>	<u>6000</u>	<u>6000</u>
<u>5000</u>	<u>5000</u>	<u>5000</u>	<u>5000</u>
<u>6000</u>	<u>6000</u>	<u>4000</u>	<u>4000</u>
<u>7000</u>	<u>7000</u>	<u>3000</u>	<u>3000</u>
<u>8000</u>	<u>8000</u>	<u>2000</u>	<u>2000</u>
<u>9000</u>	<u>9000</u>	<u>1000</u>	<u>1000</u>
<u>10000</u>	<u>10000</u>	<u>0</u>	<u>0</u>

Recorder S/N #

SI - 111

Calibrated By

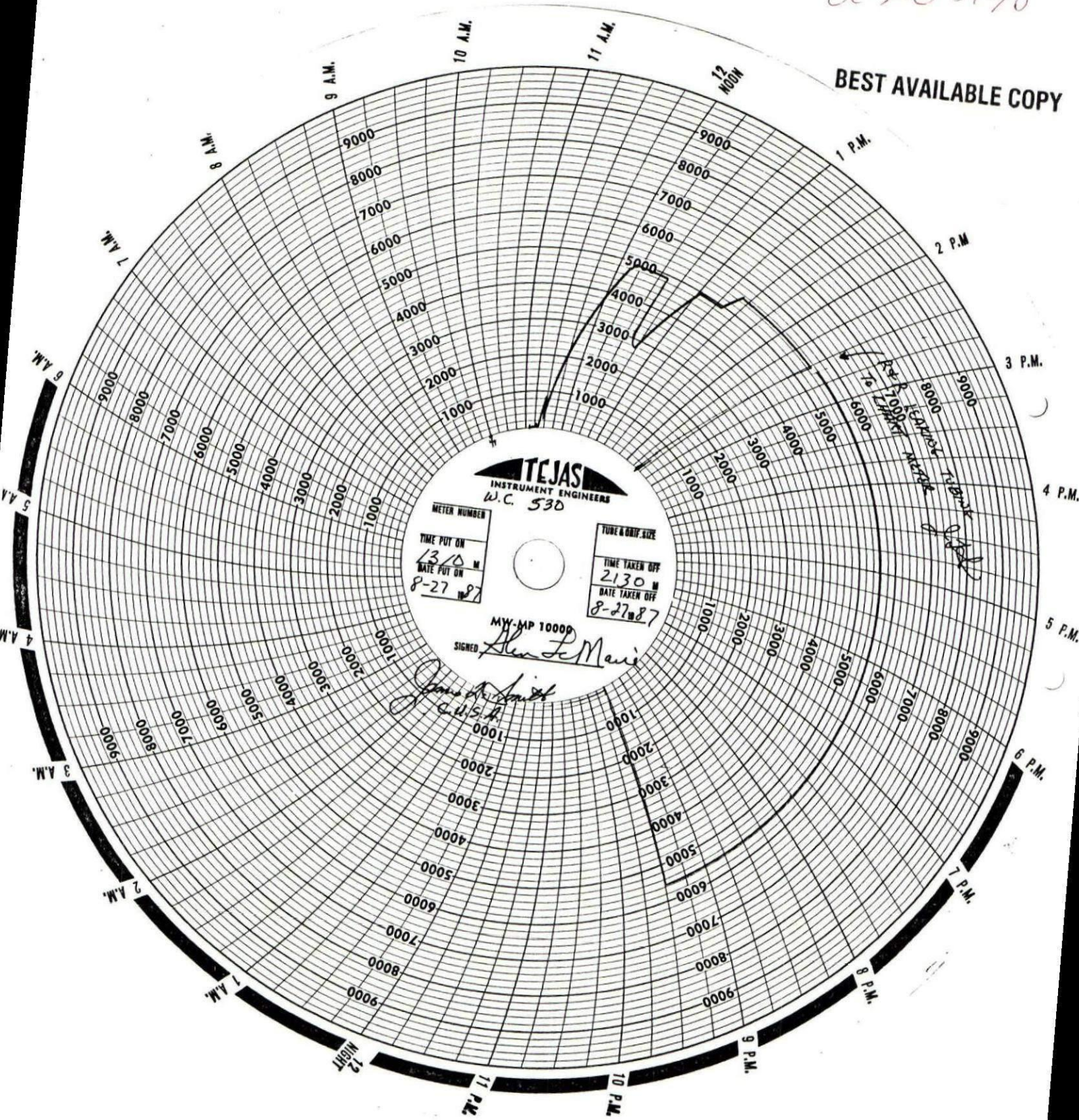
Allen Credeur

Date

8-20-87

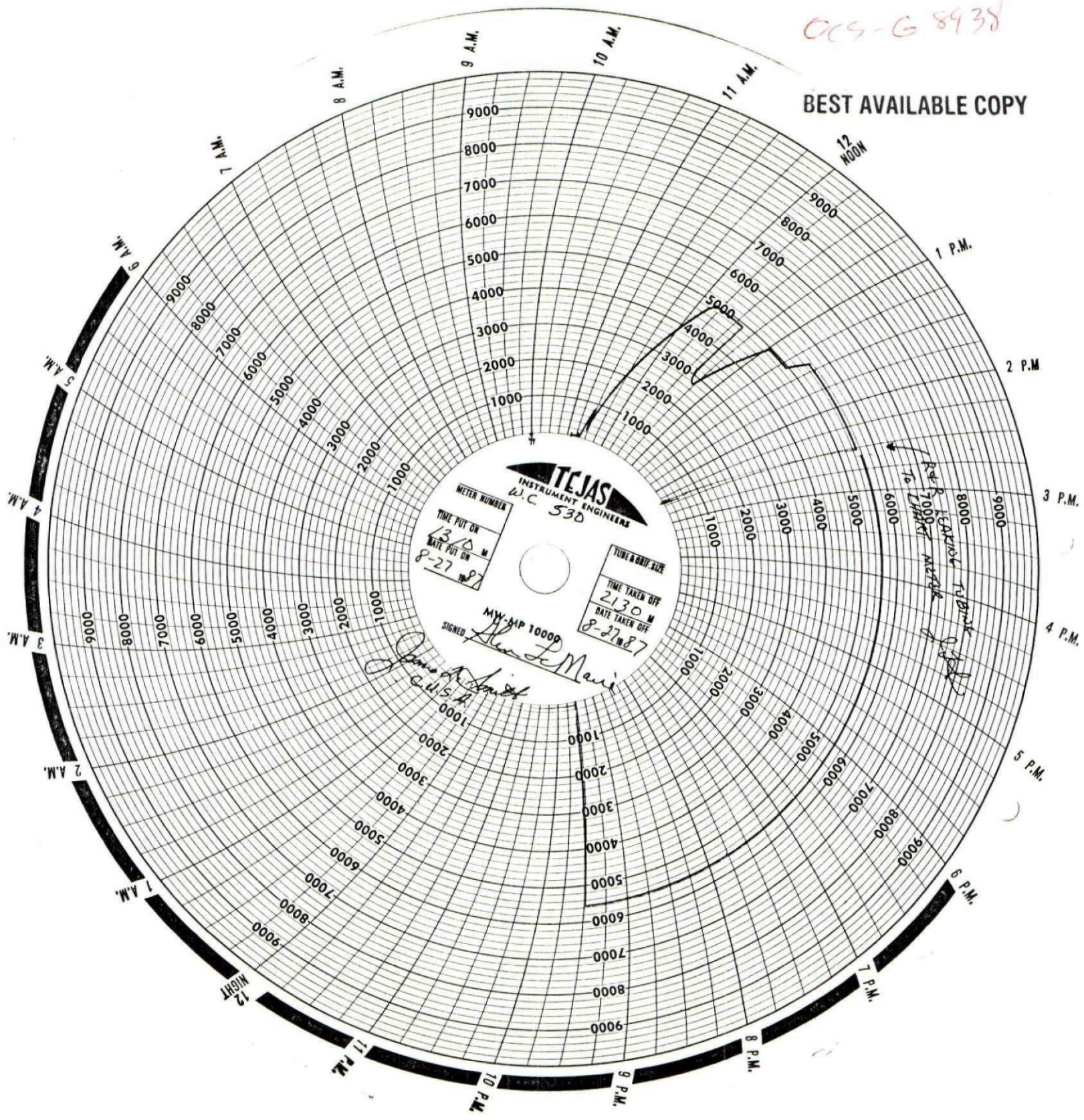
005-68938

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009-G 8938

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NOTIFICATION OF CONSTRUCTION

Date: 8-24-87

1. OCS number G 8938

2. Name of company Chevron U.S.A. Inc.

3. Name of contractor Norman Offshore

4. Name or number of barge _____

5. Size and length of pipeline 3 1/2" BLK G 3.34 miles in length

6. From where to where WC530#1 to WC534 A'
(area, block number, and platform)

7. Where construction begins WC534 A'
(area and block number)

8. When barge will begin 8-23-87

9. Length of time barge will be on job 7 days

10. Nearest available heliport on Barge on Platform A

11. Does the pipeline cross or is it in close proximity to fairways or anchorage area?

Yes _____ No ✓

Where _____

Initial and terminal points: Initial: X = _____ Y = _____

Terminal: X = _____ Y = _____

Name of Company Contact Billy Watkins

Telephone Number (318) 269-8735

~~_____~~ Cy to Alex Date 8-24-87

U.S. Coast Guard _____ Date _____

~~_____~~

~~_____~~ Employee Archie J. Trotter

Britton 8-5-87
Howard 8-5-87

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512 811

AUG 6 1987

In Reply Refer To: FO-2-2
OCS-G 8938

West Cameron Area
South Addition

Chevron U.S.A. Inc.

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 3 1/2-inch bulk gas pipeline, 3.34 miles in length, from Chevron U.S.A. Inc.'s Well No. 1 in Block 530, West Cameron Area, South Addition, across Block 531, West Cameron Area, South Addition, to Chevron U.S.A. Inc.'s Platform A in Block 534, West Cameron Area, South Addition, dated June 5, 1987, with its attachments, is hereby approved subject to the following:

The grantee shall construct, operate, and maintain the pipeline in accordance with the Department of the Interior Regulations 30 CFR 250.20.

(Orig. Sgd.) H. P. Sieverding

J. Rogers Percy
Regional Director

bcc: P/L OCS-G 8938 (FO-2-2)
K. Faust (FO-2-2)
ORD Reading File
LE-5 L.
LE-3-1
FO-6

ABritton:jj:8/5/78:Disk 6

UNITED STATES GOVERNMENT
MEMORANDUM

August 3, 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 8938

Action Submitted: June 10, 1987

Action Commencement: Upon Approval

Chevron U.S.A. Inc.
Pipeline Right-of-Way Application
West Cameron Area, South Addition, Blocks 530, 531, and 534

Chevron U.S.A. Inc. proposes to install a 3" pipeline from Well No. 1 in Block 530, through Block 531, to the A Platform in Block 534.

Our NEPA review of the subject action is complete. No environmental protective measures were identified.


H. P. Sieverding

cc: Pipeline File OCS-G 8938 (LE-5)

CH11:mbw:ocsg8938.row





EDWIN W. EDWARDS
GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

Coastal Management Division

July 31, 1987

B. JIM PORTER
SECRETARY

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

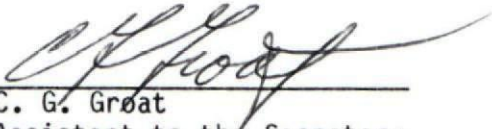
RE: C870311, Coastal Zone Consistency
Chevron USA, Inc., Right-of-Way
3" pipeline, West Cameron Blocks
530, 531, and 534 (OCS-G 5019,
OCS-G 2226) Offshore, LA
Gulf of Mexico

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 Chevron USA, Inc. as required in Section 307(c)(3)(B) (Subpart E) of the Coastal Zone Management Act of 1972 as amended.

Sincerely,

B. JIM PORTER

BY: 
C. G. Groat
Assistant to the Secretary

BJP:CGG/MR/se

cc: Mr. Ron Ventola
U.S. Army Corps of Engineers
Chevron USA, Inc.
New Orleans, LA

008-68938



Chevron U.S.A. Inc.
P. O. Box 51743, Lafayette, LA 70505



July 30, 1987

W. R. Herrin
Manager
Western Production Division

Right of Way Application
3 Inch Pipeline
West Cameron 530, 531, and 534
Gulf of Mexico

Mr. D. Bourgeois
Minerals Management Service
P. O. Box 7944
Metairie, LA 70010

Attention: Office of Field Operations

Gentlemen:

In reference to our application for the subject right-of-way and to confirm conversations with Mr. Autry Britton of your office, pipeline installation is now scheduled to commence the first part of August, 1987. Any consideration you give for expediting the permitting of this pipeline is appreciated.

Should you need additional information on this matter, please contact Mr. S. R. Knowles at (318) 269-8663 or Mr. B. R. Watkins at (318) 269-8735.

Yours very truly,

BRW/das

3G2050



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Date: 6-11-87

To: Right-of-Way Pipeline File OCS-G 8938 (LE)

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

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

Subject: Pipeline Right-of-Way Application, Technical Review, Chevron
U.S.A. Inc. OCS-G 8938

Size (inches)	Length (feet)	Service	From	To
<u>3 1/2</u>	<u>17,655</u>	<u>BLKG</u>	<u>Well NO. 1</u> <u>Block 530</u> <u>West Cameron Area, South Addition</u>	<u>Platform A</u> <u>Block 534</u>

Recommendations:

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

A. Britton
A. Britton

cc: 1502-01 OCS-G 8938 (w/orig appln) (Seg. 811) (FO-2-2)
OPS-5 (w/cy of plat)

ABritton:jj:LEXITYPE Disk 6

*one map
6/12/87
KY*

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PIPELINE RIGHT-OF-WAY APPLICATION "ENGINEERING CHECKLIST"

MINERALS MANAGEMENT SERVICE
SOM REGIONAL OFFICE

*As-Built
Changes Marked
etc*

Date: 6-11-87

OCS-G 8938

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 3/4-inch bulk gas pipeline, 75 ft or 3.35 miles from Chevron U.S.A. Inc.'s well NP 1 in Block 530 to Chevron U.S.A. Inc.'s platform A in Block 534, all located in West Cameron Area, South Addition

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 3000 SITP

c. high-low pressure sensor settings High @ 2700 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.

N/A 4. If the maximum input source pressure is greater than the maximum allowable operating pressure (MAOP) of the pipeline, redundant safety equipment is required.

N/A 5. MAOP of proposed pipeline does not exceed MAOP of connecting pipeline.

6. The pipeline leaving the platform receiving production from the platform is equipped with high-low pressure sensors to directly or indirectly shut-in the well or wells on the platform.

7. The pipeline delivering production to the production facilities on the platform is equipped with an automatic fail-close valve tied into the automatic and remote shut-in system.

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

- 9. The pipeline boarding the platform/pipeline is equipped with a check valve.
- 10. The pipeline leaving the platform is equipped with a check valve.
- 11. The high-low pressure sensors on the departing pipeline is located upstream of the check valve.
- 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
- 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: BULK GAS
- 2. Pipeline, riser, and subsea valve assembly specifications:
 - (1) Size 3.5" Wall Thickness .300" Grade B Weight 10.25 lbs/ft.
 - (2) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.
 - (3) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.
- b. Riser:
 - (1) Size 3.5" Wall Thickness .438" Grade B Weight 14.30 lbs/ft.
 - (2) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.
 - (3) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.
- c. Subsea valve assembly:
 - (1) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.
 - (2) Size _____ Wall Thickness _____ Grade _____ Weight _____ lbs/ft.

3. Water depth: Maximum -175' Minimum -171'

4. Type of corrosion protection:

a. Impressed current system

b. Sacrificial anode system

(1) Type of anode ZINC

(2) Spacing interval 720 ft.

(3) Weight of unit anode given by applicant 34.5 lbs. ea.

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

Yes _____ No _____

d. If pipeline anodes are used:

Formula: $L_{p/1} = 3.82 \times 10^4 \times W^0 / DIR = 38200 \times 34.5 / 3.5 \times 720 \times 26 = 204 \text{ yrs.}$

Where:

- W⁰ = Weight of Anode unit (lbs)
- D = Dia. of pipe (inches)
- I = Separation between anodes (ft.)
- R = the following lbs/amp/year (Rate of Consumption)
- Aluminum or Galvalum = 7.6
- Zinc = 26
- Magnesium = 17.5

Does the calculated life expectancy equal or exceed 20 years?

Yes No _____

5. Description of protective coating:

a. Pipeline - 12 mils of thin film epoxy

b. Riser - 12 mils of epoxy plus 1/4" thick 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)

a. For epoxy coating: $SG = 2.865W/D^2 = 2.865 \times 10.25 / 12.25 = 2.40$

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

c. Lines with a specific thickness of concrete:

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

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

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

Where:

- SG = specific gravity
- RC = density of concrete (lb/cu. ft.)
- K₁, K₂, K₃ = 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. 2.33 b. _____ c. _____

9. Gravity or density of product(s) .65

10. Design capacity of pipeline 5,000 MCFD

11. Given Hydrostatic Test Pressure: Line Pipe 5445 psig Hold Time 8 hrs.
 Preinstallation Test Riser 5445 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 visible during test

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

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

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

a. MAOP = $\frac{2 \times 35,000 \times .300}{3.5} \times .72 = 4,320 \text{ Psig}$

b. MAOP =

c. MAOP =

✗ 13. MAOP of riser pipe.

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

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

a. MAOP = $\frac{2 \times 35,000 \times .438}{3.5} \times .60 = 5,256 \text{ Psig}$

b. MAOP =

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

2.4 x ANSI rating = $2.4 \times 1500 = 3,600 \text{ Psig}$

✓ 15. MAOP of proposed pipeline as determined in accordance with Title 49 CFR Part 195 or 192, as applicable, is 3600 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)

$\underline{\hspace{2cm}} \leq \underline{5445} \leq \underline{5700}$

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

IP @ SMYS = $\frac{2 \times s \times t}{D} = 6,000 \text{ psig}$

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

a. Submerged components: HTP/1.25 = $\frac{5700}{1.25} = 4,320 \text{ Psig}$ $\frac{5445}{1.25} = 4,356 \text{ Psig}$

b. Riser: HTP/1.5 =

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

D. Installation Requirements:

WAIVED - self burial location

 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:

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 - September 1, 1987

✓ 2. Method of construction - Conventional Lay Barge

✓ 3. Method of burial self burial location - WAIVED

✓ 4. Time required to lay pipe - 8 days

✓ 5. Time required to complete project - December 1987

G. Applicant complies with current OCS pipeline guidelines:

Yes No



Chevron U.S.A. Inc.
P. O. Box 51743, Lafayette, LA 70505

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June 5, 1987



Application for Right-of-Way
3 Inch Pipeline
West Cameron Blocks 530, 531
and 534
Gulf of Mexico

Mr. D. Bourgeois
Minerals Management Service
P. O. Box 7944
Metairie, LA 70010

Attention: Office of Field Operations

Dear Mr. Bourgeois:

Pursuant to the authority granted in Section 5(e) of the Outer Continental Shelf Lands Act (67 Stat. 462) (43 U.S.C. 1331), as amended (92 Sta. 629), and in compliance with the regulations contained in Title 30 CFR Part 256, subpart N, Chevron U.S.A. Inc. is filing this application for a right-of-way two hundred feet (200') in width for the construction, maintenance, and operation of a 3" pipeline in the West Cameron Area, Gulf of Mexico. Chevron U.S.A. agrees that said right-of-way, if approved, will be subject to the terms and conditions of said regulations.

A variance from the above mentioned regulations is also requested to waive burial of the subject pipeline. We feel that the small diameter of the proposed pipeline with respect to the the water depth (171 ft. to 175 ft.) would limit it from hampering any trawling operations and limit any exposure to mechanical damage from water currents, storm scour, or other outside sources.

The proposed pipeline installation, maintenance and operation will be used to transmit hydrocarbons from Chevron's OCS-G-5019 West Cameron Block 530 Caisson Structure to Chevron's West Cameron Block 534 "A" Structure. Construction is estimated to start September 1987, and be completed October 1987. Additional design criteria is enclosed as Attachment 1.

This application (and any amendments made hereto) is made with our full knowledge and concurrence with the OCS Lands Act (43 U.S.C. 1331, et seq.), as amended, (P.L. 95-372), including the following: Sec. 5(e) addressing pipeline rights-of-way, requirements of the Federal Energy Regulatory Commission relating to notice of hearing, transportation, and purchase of oil and gas without discrimination; Sec. 5(f)(1) addressing operation of pipelines in accordance with competitive principles, including open and nondiscriminatory access to both owner and nonowner shippers; Sec. 5(f)(2) which may allow exemption of the requirements in Sec. 5(F)(1); Sec. 5(e), addressing the assuring of maximum environmental protection, including the safest practices for pipeline installation; and Sec. 5(f)(1)(b) which may require expansion of throughput capacity of any pipeline except for the Gulf of Mexico or the Santa Barbara Channel.

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ATTACHMENT 1

May 6, 1987

Additional Information

3.5" O.D. Pipeline

OCS-G-5019 No. 1 Well West Cameron Block 530 Caisson
To OCS-G-2226 West Cameron Block 534 "A" Structure

1. Product to be transported by pipeline: Gas and Condensate.
2. Name and telephone number of Company Engineer for contact on Technical points.
S. R. Knowles @ (318) 269-8663
B. R. Watkins @ (318) 269-8735
3. Size, wall thickness, weight, grade and class of pipeline: 3.5" O.D. x 0.300" w.t, sch 80, 10.25 lb/ft., Grade "B" seamless line pipe.
4. Size, wall thickness, weight, grade and class of risers: 3.5" O.D. x 0.438" w.t., sch 160, 14.30 lb/ft., Grade "B" seamless line pipe.
5. Length of line excluding riser: 18,000 ft.
6. Water depth: From (-)171 ft. at W.C. 530 Caisson To (-)175 ft. at W.C. 534 "A" Structure.
7. Description of Cathodic Protection System: 34.5 lb. zinc bracelet anodes on 720 ft. spacing; first and last anodes on 360 ft. spacing.
8. Calculations used in design of anodes:
Area: $(3.14) \times (3.5") \times (18,000') \rightarrow 12'/ft.$
 $= 16,485 \text{ S.F.}$
Amps/yr: $(16,485) \times (2\%) \times (0.005 \text{ A/S.F.}) = 1.65 \text{ Amps.}$
For 20 year line life: $1.65 \times 20 = 33 \text{ Amps.}$
For zinc: $(33) \times (26 \text{ lbs/amp}) = 857.70 \text{ lbs.}$
For 34.5 lbs. zinc anodes: $857.70 \rightarrow 34.5 = 25 \text{ Anodes.}$
Spacing: $18,000' \rightarrow 25 = 720'$
Spacing of first & last anode: $(18,000' - (720' \times 24) \rightarrow 2 = 360'$
9. Thickness and type of external coating on pipeline: 12 Mils of thin film epoxy for seamless line pipe.

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10. Thickness and type of external coating on riser pipe: 1/4" thick Splashtron in splash zone and 12 Mils of thin film epoxy for remainder of pipe.
11. Description of external coating for field joints of pipeline: Raychem heat-shrink-sleeves or equal.
12. Description of external coating for field detected holidays of pipeline: Scotch Kote 212 hot melt patch sticks or equal.
13. Description of internal coating and provision for corrosion inhibition: None, no internal corrosion problems are anticipated.
14. Specific gravity of empty pipe based on seawater: 2.33
15. Anticipated specific gravity of product: 0.65/Air
16. Anticipated working pressure: Maximum 1,400 psig. Pressure pilots/actuated SDV's will maintain SIP of 3,000 psig.
17. Design capacity of pipeline based on maximum expected working pressure: 5,000 MCFD
18. Maximum allowable operating pressure (MAOP) based on valves, flanges, and fittings: Will use ANSI 1500 fittings
MAOP = 3,600 psig.
19. MAOP based on pipeline pipe: MAOP = 2 Stf/d
MAOP = $(2)(35,000)(0.300)(0.6)/3.5$
MAOP = 3,600 psig.
20. MAOP based on riser pipe: MAOP = 2 Stf/d
MAOP = $(2)(3,500)(0.438)(0.40)/3.5$
MAOP = 3,504 psig.
21. MAOP based on lesser of above: MAOP = 3,504 psig.
22. Hydrostatic test pressure of pipeline: HTP = $1.5 \times 3600 = 5400$ psig
HTP = 5,400 psig for 8 hours
23. Hydrostatic test pressure of risers: HTP = $1.5 \times 3600 = 5400$ psig
HTP = 5,400 psig for 8 hours.
24. Type, size, pressure rating and location of pumps and prime movers: N/A
25. The permitting agency's assigned MAOP of the pipeline into which the proposed pipeline may tie: The proposed pipeline will tie into existing production facilities on W.C. 534 "A" Structure. MAOP of these facilities is 1,440 psig. Line pressure at the terminal end of the proposed pipeline will be reduced to meet the MAOP of the producing facilities.

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- | | |
|---|--|
| 26. Number of pipeline crossings to be encountered: | None |
| 27. Anticipated starting date of pipeline construction: | September |
| 28. Anticipated method of pipeline construction: | Conventional Lay Barge. |
| 29. Anticipated method of burial of pipeline: | Do not plan to bury. |
| 30. Anticipated time to lay pipeline: | Eight (8) days. |
| 31. Anticipated time required to to complete project: | Sixty (60) days to lay pipeline, set & tie-in risers and tie-in production equipment. Anticipate initial usage about December of 1987. |
| 32. Other pertinent information: | Variance requested to wave pipeline burial. |

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ATTACHMENT 2
May 6, 1987
Affected Lease

The pipeline will cross West Cameron Blocks 530, 531 and 534. Blocks 530 and 534 are operated by Chevron. Block 531 is leased by Huffco Petroleum Corp. and Columbia Gas Development Corp.

Lease Owners by blocks are as follows:

West Cameron Block 530

Chevron U.S.A. Inc.

West Cameron Block 531

Huffco Petroleum Corp.
P. O. Box 4436
Houston, TX 77210

Columbia Gas Development Corp.
P. O. Box 1350
Houston, TX 77251

West Cameron Block 534

Chevron U.S.A. Inc.

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**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

NONDISCRIMINATION IN EMPLOYMENT

As a condition precedent to the approval of the granting of the subject pipeline right-of-way, the grantee Chevron U.S.A. Inc. 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:

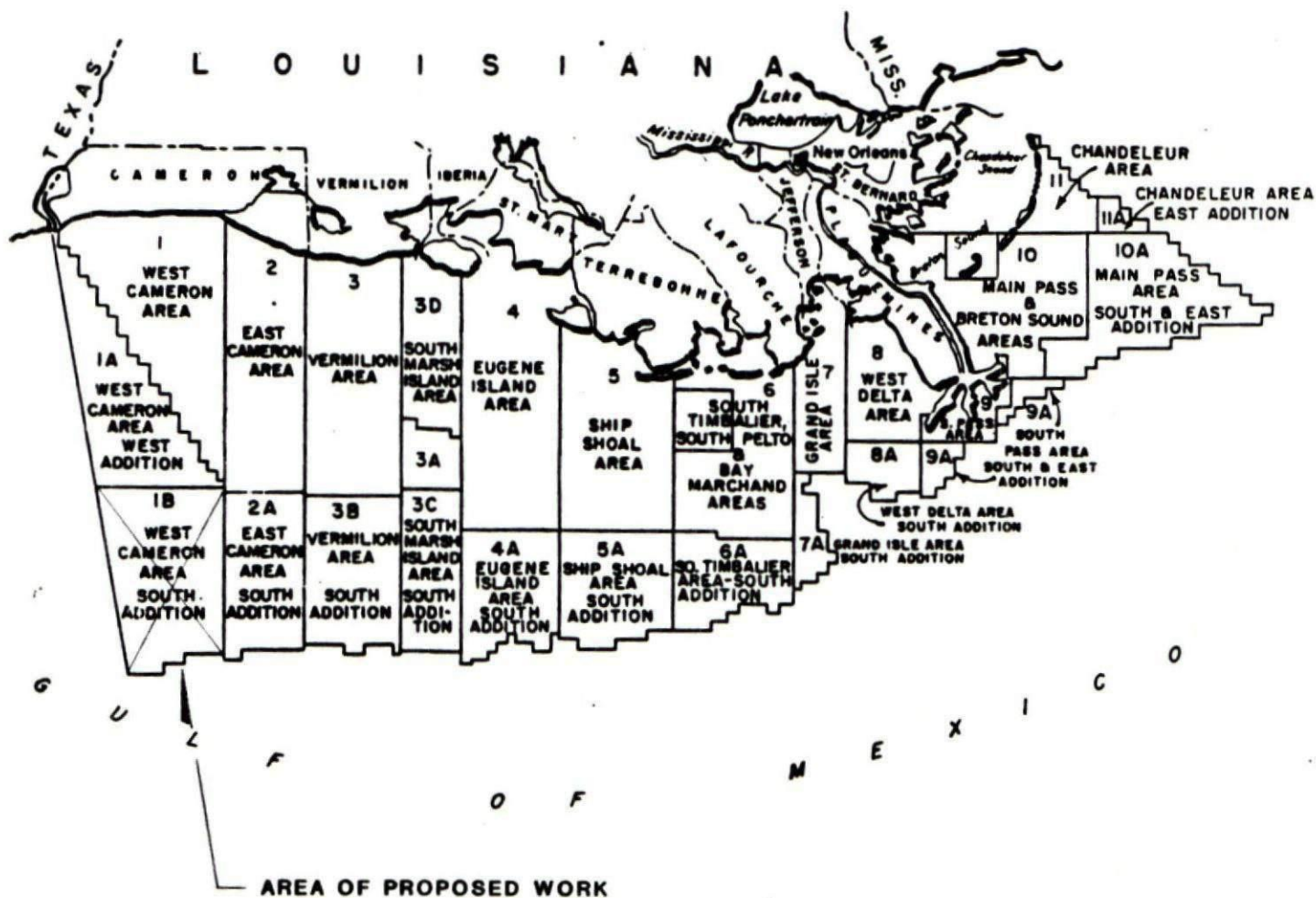
During the performance under this grant, the grantee shall fully comply with paragraphs (1) through (7) of section 202 of Executive Order 11246, as amended, (reprinted in 41 CFR 60-1.4 (a)), which are for the purpose of preventing discrimination against persons on the basis of race , color, religion, sex, or national origin. Paragraphs (1) through (7) of section 202 Executive Order 11246, as amended, are incorporated in this grant by reference.



Signature of Grantee

Date: 5-29-87

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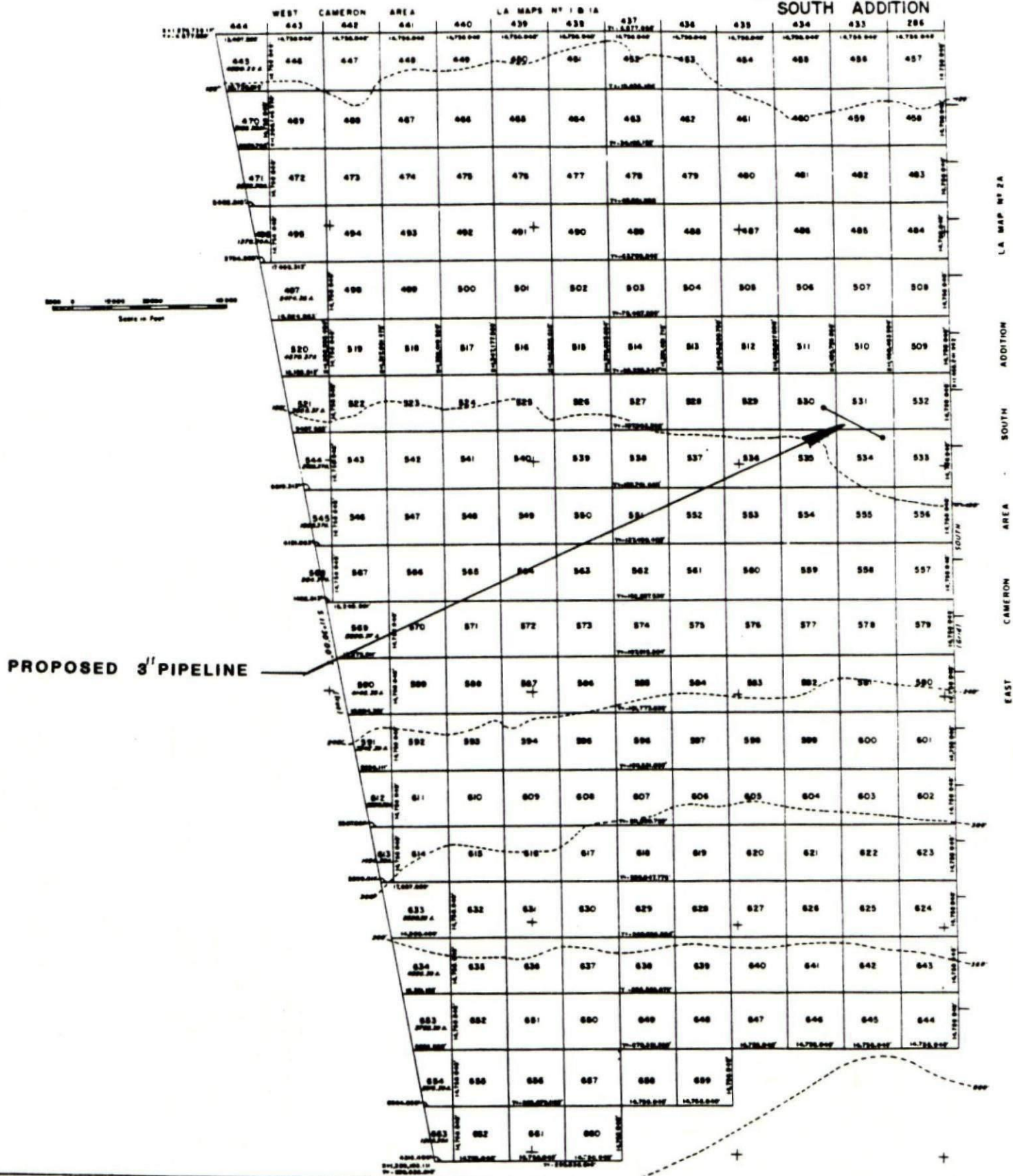
REGIONAL MAP P.L. 3 1/2" O.D. x 0.300" API 5L
GR. B SMLS PIPE FROM OCS-5019 WELL No. 1 TO
"A" STR. (OCS-2226 LEASE) WEST CAMERON BLK 534

Chevron U.S.A. Inc.
Eastern Region - Exploration, Land and Production

SCALE	NTS.	FILE NO.
BY: B.H.		DWG. NO. LA-460-2
		DATE: 5-11-87

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WEST CAMERON AREA
SOUTH ADDITION



VICINITY MAP P.L. 3 1/2" O.D. x 0.300" API 5L
GR. B SMLS PIPE FROM OCS-5019 WELL No. 1 TO
"A" STR. (OCS-2226 LEASE) WESTCAMERON BLK 534

Chevron U.S.A. Inc.
Eastern Region - Exploration, Land and Production

SCALE N.T.S.	FILE NO.
R.H.	DWG. NO. LA-460-3

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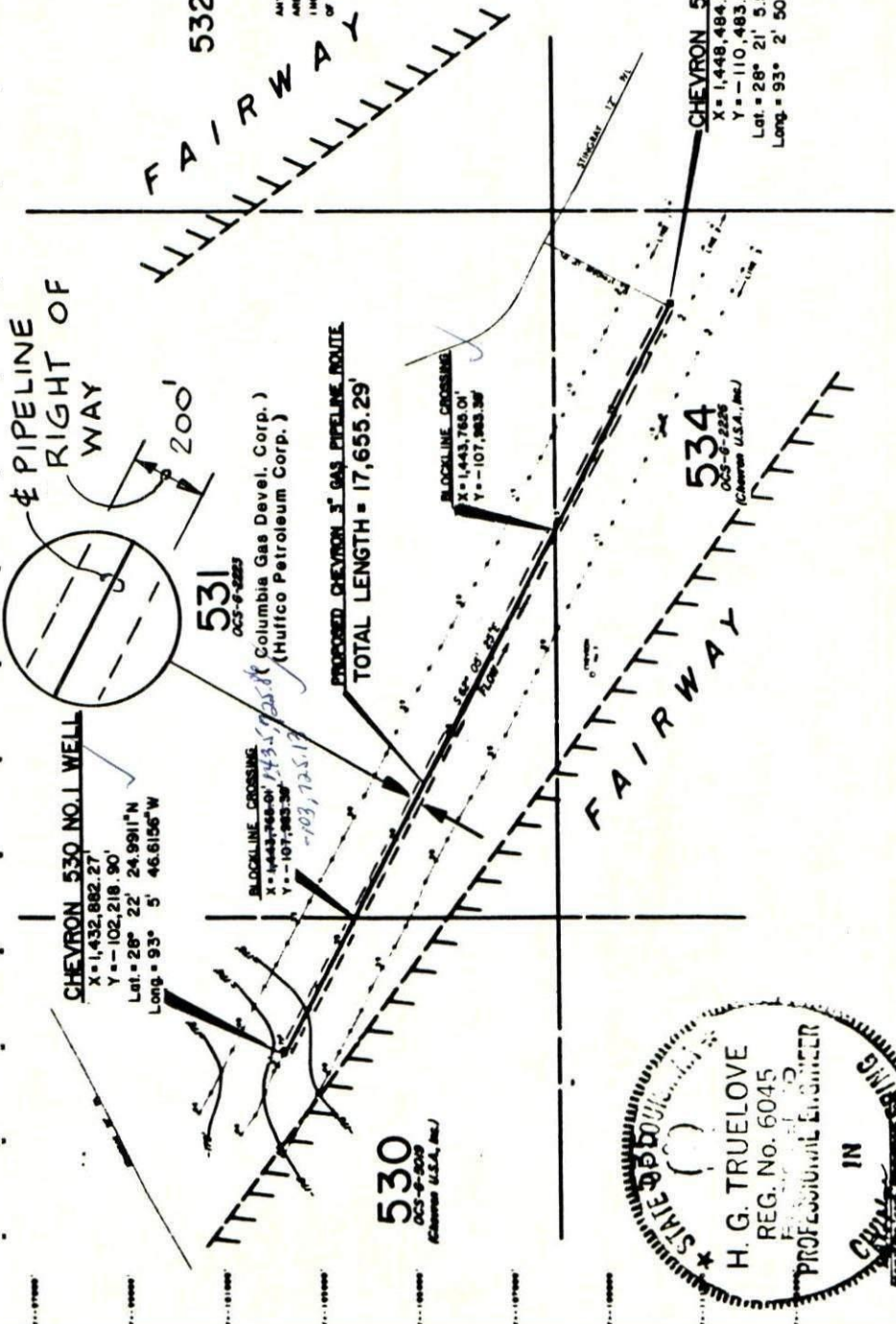
PLAN MAP

ZERO DATUM = SEA LEVEL
CONTOUR INTERVAL = 2 FEET
DENOTES SHOT POINT & SHOT POINT NO.
DENOTES MAGNETIC ANOMALY & GAMMA COUNT



IMPORTANT - PLEASE NOTE

ANY COMMUNICATION AND/OR POWER CABLES THAT MAY BE PRESENT IN THE AREA CANNOT BE LOCATED BY INSTRUMENTS UTILIZED DURING THIS SURVEY. INQUIRIES SHOULD BE MADE TO INTERESTED PARTIES AS TO THE PRESENCE OF SUCH OBSTRUCTIONS.



STATE OF CALIFORNIA
H. G. TRUELOVE
REG. NO. 6045
Professional Engineer
IN

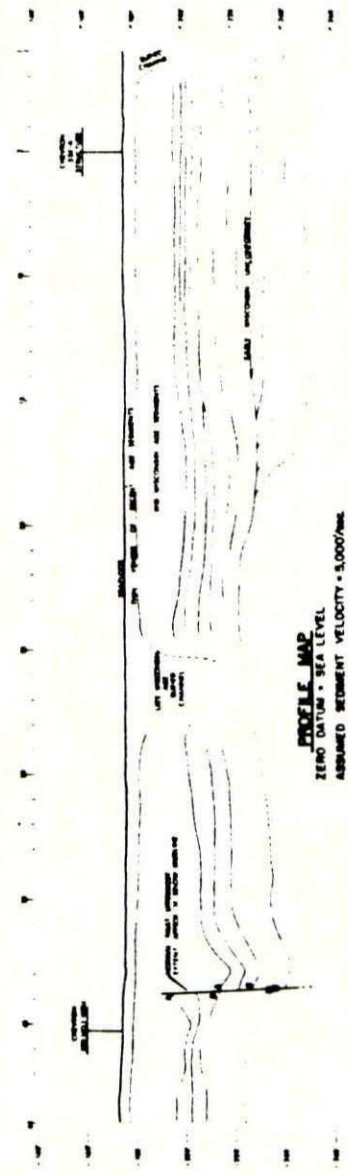
CHEVRON U.S.A., INC.

ENGINEERING & HAZARD STUDY

of
PROPOSED CHEVRON 3" GAS PIPELINE ROUTE

from
CHEVRON NO. 1 WELL, BLOCK 530
to
CHEVRON "A" STRUCTURE, BLOCK 534
WEST CAMERON AREA

FEBRUARY 1988

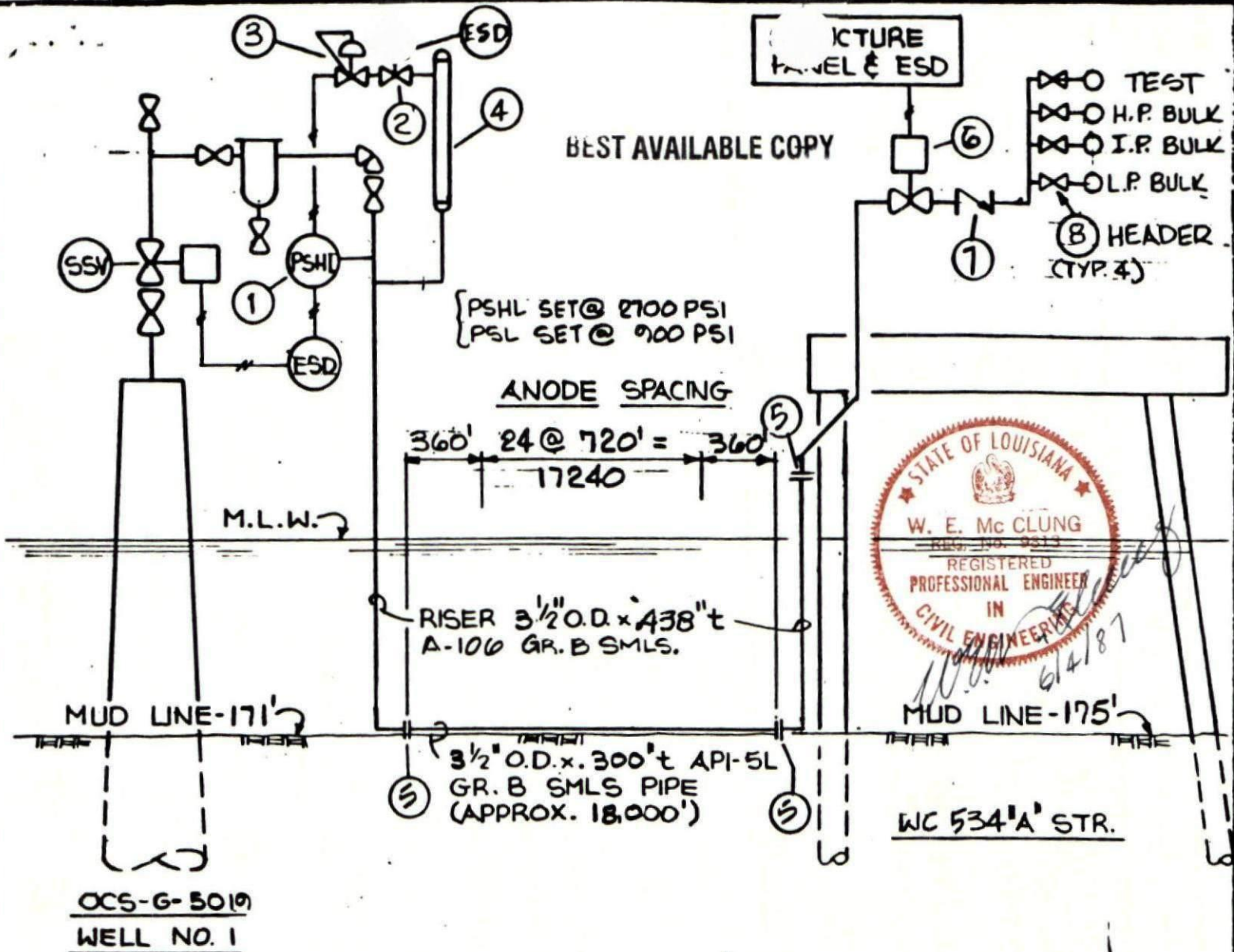


PROFILE MAP
ZERO DATUM = SEA LEVEL
ASSUMED SETBACK VELOCITY = 5,000/FHRS
SCALE

**PROPOSED PIPELINE 3 1/2" O.D. x 0.300" API 5L
GR. B SMLS PIPE FROM OCS-5019 WELL No. 1 TO
"A" STR. (OCS-2226 LEASE) WESTCAMERON BLK 534**

Chevron U.S.A. Inc.
Eastern Region - Exploration, Land and Production

SCALE	NTS.	FILE NO.	
BY:	B.H.	DWG NO	LA-480-4
		DATE	3-11-87



SCHEMATIC PROPOSED PIPELINE 3 1/2" O.D. x 300" t API-5L GR. B SMLS PIPE FROM OCS-G-5019, WELL NO. 1 WC BLK. 530 TO WC BLK 534 'A' STR. OCS-G-2226 LEASE

- | | |
|------------------------------------|---|
| ① <u>HI/LO PRESSURE SENSOR</u> | ⑥ <u>3"-1500# RTJ GATE SDV.</u> |
| ② <u>2"-1500# RTJ INS. GAS SDV</u> | ⑦ <u>2 1/2"-700# RTJ SWING CHECK VALVE</u> |
| ③ <u>1" NPT INS. GAS REG.</u> | ⑧ <u>2 1/2"-700# RTJ GATE VALVES</u> |
| ④ <u>4' x 5' INS. GAS BAWOOKA</u> | ⑨ <u>MAXIMUM ALLOWABLE W.P. OF SEPARATORS DOWNSTREAM OF HEADER IS 1440#</u> |
| ⑤ <u>3"-1500# RTJ FLANGES</u> | |

PROPOSED PIPELINE 3 1/2" O.D. x 0.300" t API 5L GR. B SMLS PIPE FROM OCS- 5019 WELL No. 1 TO 'A' STR. (OCS-2226 LEASE) WESTCAMERON BLK 534	Chevron U.S.A. Inc. P.O. Box 51743, Lafayette, LA 70505	
	SCALE SCHEMATIC 5-11-87	Dwg. No. LA-460-1

