

18836

In Reply Refer To: MS 5232

JAN 04 1999

Mr. Mark S. Pippin
Shell Offshore Inc.
Post Office Box 61933
New Orleans, Louisiana 70161-1933

Dear Mr. Pippin:

In accordance with 30 CFR 250.1008(b), your letter dated March 20, 1998, transmitted a pipeline construction report for the following right-of-way pipeline located in the Eugene Island Area:

<u>Pipeline Segment No.</u>	<u>Size (inches)</u>	<u>Length (feet)</u>	<u>Service</u>	<u>From</u>	<u>To</u>
11613 (Right-of-Way OCS-G 18836)	4 1/2	21,401	Bulk Gas	Platform JA Block 152 Lease OCS-G 15244	Platform B Block 158 Lease OCS-G 1220

The data provided in the report, including the following test information, establishes the assigned maximum allowable operating pressure (MAOP) for the pipeline:

<u>Pipeline Segment No.</u>	<u>Test Pressure (psig)</u>	<u>Duration (hours)</u>	<u>MAOP (psig)</u>	<u>MAOP Determination</u>
11613	2,801	8	2,220	Flanges

The high- and low-pressure sensors shall be set, respectively, no higher than 15 percent above and below the normal operating range. However, the high pilot shall not be set higher than the MAOP of the pipeline.

The total length of the "as-built" pipeline right-of-way is 4.05 miles.

Sincerely,

(Cory Sign) J. R. Hennessey

Donald C. Howard
Regional Supervisor
Field Operations

bcc: 1502-01 Segment No. 11613, ROW OCS-G 18836 (MS 5232)
1502-01 ROW OCS-G 18836 (Microfilm) (MS 5033)
MS 5232 Carto

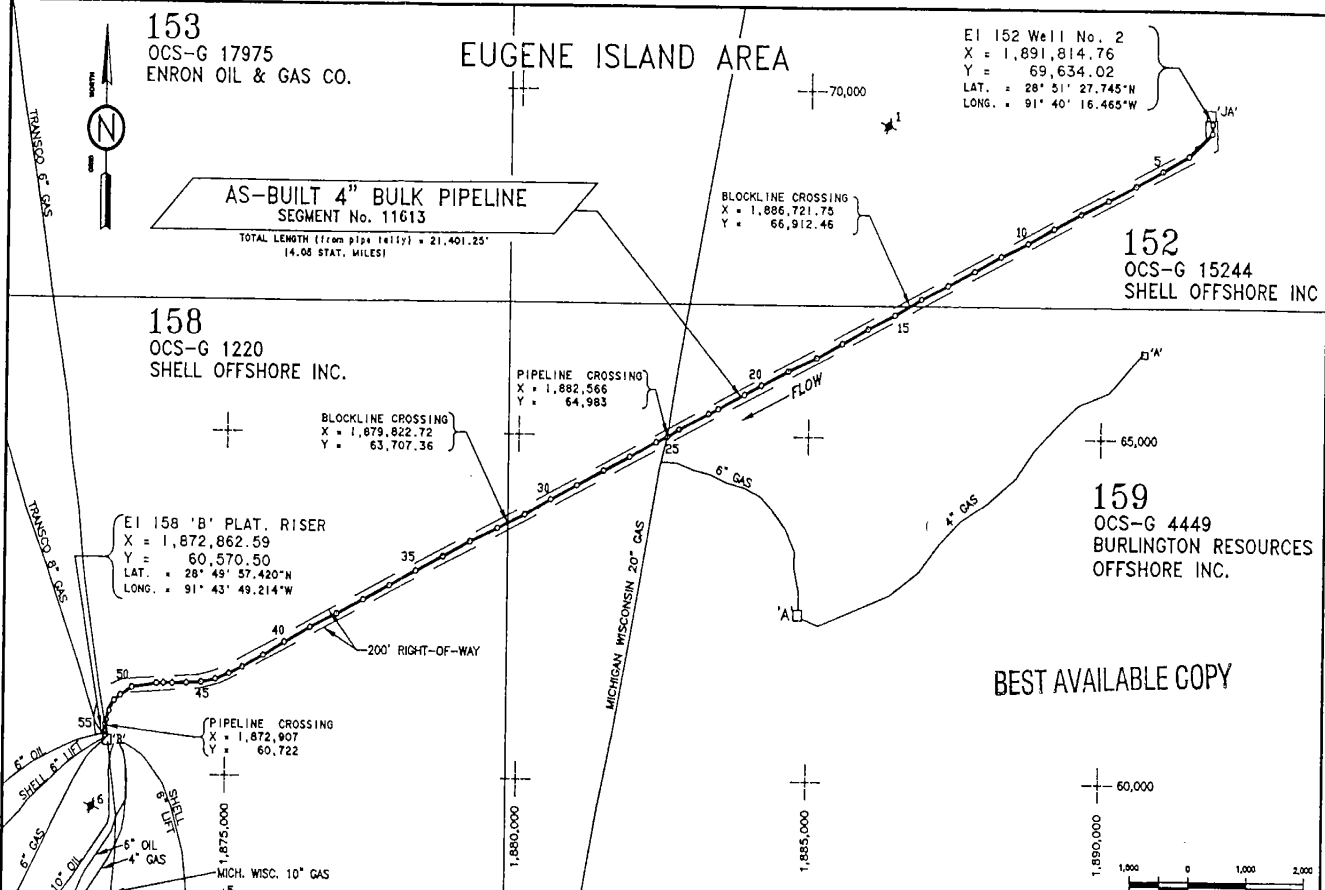
DIzon:amm:11/9/98:Shell.613

AS-BUILT 4" BULK PIPELINE FROM EI 152

WELL No. 2 TO EI 158 'B' PLAT. RISER

NO.	X -COORD.	Y-COORD.	
1	1,891,814.76	69,634.02	EI 152 Well No. 2
2	1,891,838	69,581	
3	1,891,835	69,447	
4	1,891,446	69,117	
5	1,891,000	68,894	
6	1,890,548	68,676	
7	1,890,091	68,470	
8	1,889,634	68,267	
9	1,889,182	68,054	
10	1,888,732	67,837	
11	1,888,273	67,641	
12	1,887,821	67,423	
13	1,887,369	67,211	
14	1,886,912	67,011	
15	1,886,466	66,780	
16	1,886,009	66,577	
17	1,885,559	66,362	
18	1,885,123	66,150	
19	1,884,644	65,955	
20	1,884,184	65,741	
21	1,883,895	65,604	
22	1,883,445	65,391	
23	1,883,279	65,319	
24	1,882,770	65,092	
25	1,882,566	64,983	PIPELINE X-ING
26	1,882,372	64,903	
27	1,881,918	64,689	
28	1,881,464	64,481	
29	1,881,012	64,265	
30	1,880,560	64,058	
31	1,880,109	63,833	
32	1,879,651	63,632	
33	1,879,190	63,434	
34	1,878,743	63,214	
35	1,878,290	63,001	
36	1,877,841	62,783	
37	1,877,387	62,575	
38	1,876,931	62,368	
39	1,876,474	62,165	
40	1,876,022	61,947	
41	1,875,660	61,751	
42	1,875,293	61,575	
43	1,875,060	61,482	
44	1,874,824	61,398	
45	1,874,575	61,350	
46	1,874,324	61,335	
47	1,874,075	61,327	
48	1,873,924	61,330	
49	1,873,805	61,325	
50	1,873,376	61,264	
51	1,873,172	61,148	
52	1,873,064	61,070	
53	1,872,978	60,917	
54	1,872,926	60,782	
55	1,872,907	60,722	PIPELINE X-ING
56	1,872,862.59	60,570.50	EI 158 'B' PLAT. RISER

TOTAL LENGTH (from pipe tally) = 21,401.25'



NOTES:

- Coordinates for EI 152 Well No. 2 and EI 158 'B' Platform Riser surveyed by others. Verified this survey.
- Pipeline is laying in an area designated as a self burial area.

LEGEND:

- PIPELINE (AS-BUILT)
- PIPELINE (EXISTING)
- PLATFORM (NOT TO SCALE)
- WELL (ABANDONED)

I hereby certify that this plat has been prepared following generally accepted professional standards for offshore surveys, and represents the horizontal position of the pipeline.

If this seal is not purple colored, the plan is a copy that should be assumed to contain unapproved alterations. It is not a survey contained in this document and not applicable.

KEITH A. ODD
4669
Keith A. ODD
2/11/98
Date

SHELL OFFSHORE, INC.

AS-BUILT 4" BULK PIPELINE

SEGMENT No. 11613
EI 152 WELL NO. 2 TO EI 158 'B' PLATFORM
EUGENE ISLAND AREA

DATUM: NAD 27
SPHEROID: CLARKE 1866
PROJECTION: LAMBERT
ZONE: LOUISIANA SOUTH
GRID UNITS: U.S. SURVEY FEET

KEITH A. ODD
OFFSHORE
AN ENERGEK COMPANY
36498 PERKINS RD., PRAIRIEVILLE, LOUISIANA 70769

DRK. DLA	PREP. DLA	CHK. KAC	APP. KAC	FILE NO. 24-7-360
CHK. KAC	CHK. KAC	CHK.	DATE 1/30/98	FIG. NO. Sheet 1 OF 1



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1808 Engineers Road • Belle Chasse, LA. 70037 • (504) 392-3222

HYDROSTATIC TEST

COMPANY: Shell offshore INC.

PROJECT: Victory pipeline installation TESTED BY: Lyle Kaskie

TEST SECTION: EI 158 B to 152^{JA} TEST STATION 758 B LENGTH 21,401'

PIPE: 4 1/2" O.D. X 337 W.T., GRADE B MANUFACTURER: _____

PRESSURE RECORDER: MFG: Barton SERIAL NO.: 184432

DATE CALIBRATED: 1-13-98

DEAD WEIGHT GAUGE: MFG: Digital Dead Weight SERIAL NO.: 52102-1

DATE CALIBRATED: 1-20-98

FILL PUMP: MFG/TYPE: Fire pump LOCATION: JA Holleman

PRESSURED PUMP: MFG/TYPE: Morgan City Rentals LOCATION: 158 B

FILL STARTED: TIME/DATE: 11:05 AM 1-25-98 COMPLETED: TIME/DATE: 12:55 PM 1-25-98

PRESSURIZATION STARTED: TIME/DATE: 11:05 AM 1-25-98 COMPLETED: TIME/DATE: 12:55 PM 1-25-98

TEST STARTED: TIME/DATE: 1:30 pm 1-25-98 PRESSURE: 2806

AMBIENT TEMP.: 65° °F PIPE TEMP.: 68 °F

TEST COMPLETED: TIME/DATE: 2:06 1-25-98 PRESSURE: 2801

AMBIENT TEMP.: 60° °F PIPE TEMP.: 61° °F

REMARKS: No Remarks

WITNESSES: COMPANY Murray Co DATE: 1-26-98

CONTRACTOR Lyle Kaskie DATE: 1-26-98

ATTACH DEADWEIGHT PRESSURE LOG AND RECORDER CHARTS



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1808 Engineers Road • Belle Chasse, LA. 70037 • (504) 392-3222

DEADWEIGHT PRESSURE LOG

COMPANY: Shell OFFShore INC.
 PROJECT: Victory pipe line Installation TESTED BY: Lyle Krskie
 TEST SECTION: 2I 150B to 152 JA
 DEADWEIGHT GAUGE: MFG Morgan City rentals SERIAL NO.: 52102-1
 DATE CALIBRATED: 1-20-98 DATE: 1-25-98

TIME/ RECORDED BY	PRESSURE (PSIG)	PIPE TEMP (°F)	AMBIENT TEMP (°F)	REMARKS
1300	2806	68°	65°	
1330	2804	68°	65°	
1400	2803	68°	65°	
1430	2803	68°	65°	
1500	2803	68°	65°	
1530	2802	68°	64°	
1600	2802	68°	64°	
1630	2802	68°	64°	
1700	2802	68°	61°	
1730	2802	64°	61°	
1800	2802	62°	60°	
1830	2802	62°	60°	
1900	2802	62°	60°	
1930	2801	61°	60°	
2000	2801	61°	60°	
2030	2801	61°	60°	
2100	2801	61°	60°	

REMARKS: _____



Venice
 Hwy. 23 South
 (504) 534-9663
 Fax (504) 534-9740

Morgan City Rentals

7893 Highway 90 East
 P.O. Box 2946
 Morgan City, LA 70301
 (504) 304-2004
 Fax (504) 300-2374

Golden Meadow
 Hwy. 1 South
 (504) 475-5777
 Fax 504 475-6689

V-4



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PART NUMBER DDW SERIAL NUMBER 52102-1

PRESSURE RANGE 10K P.S.I. ACCURACY \pm 2 % FULL SCALE \pm _____ P.S.I.

TEMP. RANGE 150 DEGREE ACCURACY \pm 2 % FULL SCALE \pm _____ DEG.

Digital Dead Weight CALIBRATION

INCREASING PRESSURE/TEMPERATURE DECREASING PRESSURE/TEMPERATURE

Applied Press./Temp	Indicated Press./Temp	Difference	Applied Press./Temp	Indicated Press./Temp	Difference
2000	2000	0	10000	10,000	0
4000	4000	0	7000	7000	0
8000	8000	0	5000	5000	0
10,000	10,000	0	1000	1000	0
			0	0	0

**CALIBRATION
 CERTIFICATE**

Calibrated in Upright Position. Temp. 77 degrees F.

This is to certify that this gauge has been inspected and tested

against Pressure Standard VAETRIX I S/N 718 and Temperature Standard Electro Therm TM 99A S/N C3367

traceable to the National Bureau of Standards, traceability reference TAYLOR TOOLS, INC. 822/255136-95 NIST and TECH INSTRUMENTATION, INC. 52327. Compensated to local acceleration due to gravity.

Special conditions: _____

DATE OF CALIBRATION 1/20/98 INSPECTOR Dan Brown



Venice
Hwy. 23 South
(504) 534-9663
Fax (504) 534-9740

Morgan City Rentals

7893 Highway 90 East
P.O. Box 2946
Morgan City, LA 70381
(504) 384-2004
Fax (504) 380-2374

Golden Meadow ^{R20}
Hwy. 1 South
(504) 475-5777
Fax 504 475-6689



PART NUMBER 242A SERIAL NUMBER 184432

PRESSURE RANGE 5K P.S.I. ACCURACY + 2 % FULL SCALE + _____ P.S.I.

TEMP. RANGE 150 DEGREE ACCURACY + 2 % FULL SCALE + _____ DEG.

Barton Recorder CALIBRATION

INCREASING PRESSURE/TEMPERATURE DECREASING PRESSURE/TEMPERATURE

Applied Press./Temp	Indicated Press./Temp	Difference	Applied Press./Temp	Indicated Press./Temp	Difference
1000	1000	0	5000	4996	-4
2500	2495	-5	3500	3505	+5
4000	3993	-7	2000	2007	+7
5000	4996	-4	500	504	+4
			0	0	0

CALIBRATION
CERTIFICATE

Calibrated in Upright Position. Temp. 77 degrees F. BEST AVAILABLE COPY

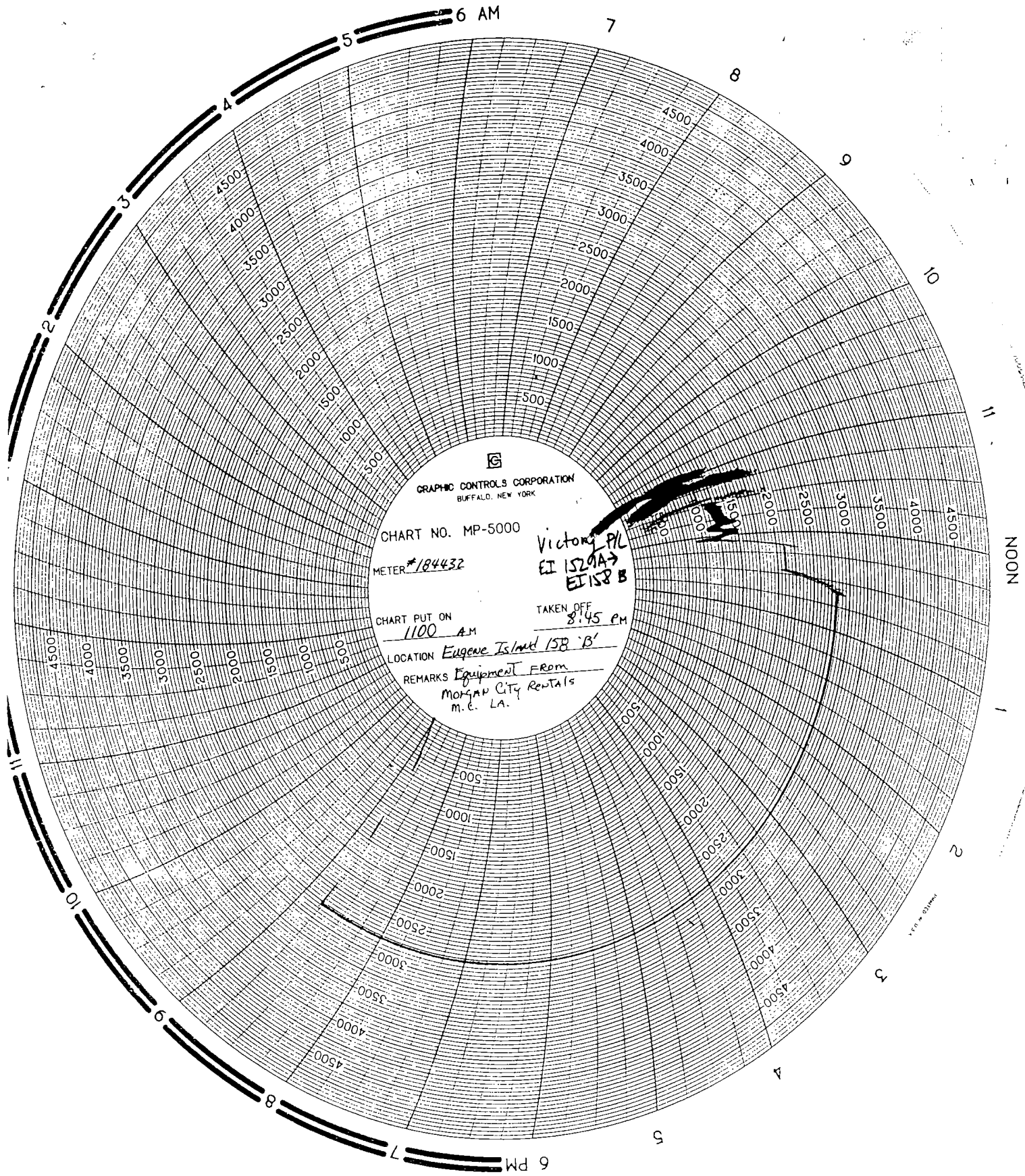
This is to certify that this gauge has been inspected and tested

against Pressure Standard VAETRIX 1 S/N 718 and Temperature Standard Electro Therm TM 99A S/N C3367

traceable to the National Bureau of Standards, traceability reference TAYLOR TOOLS, INC. 822/255136-95 NIST and TECH INSTRUMENTATION, INC. 52327. Compensated to local acceleration due to gravity.

Special conditions: _____

DATE OF CALIBRATION 1/13/98 INSPECTOR Dan Brown



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MP-5000

METER #184432

CHART PUT ON
1100 AM

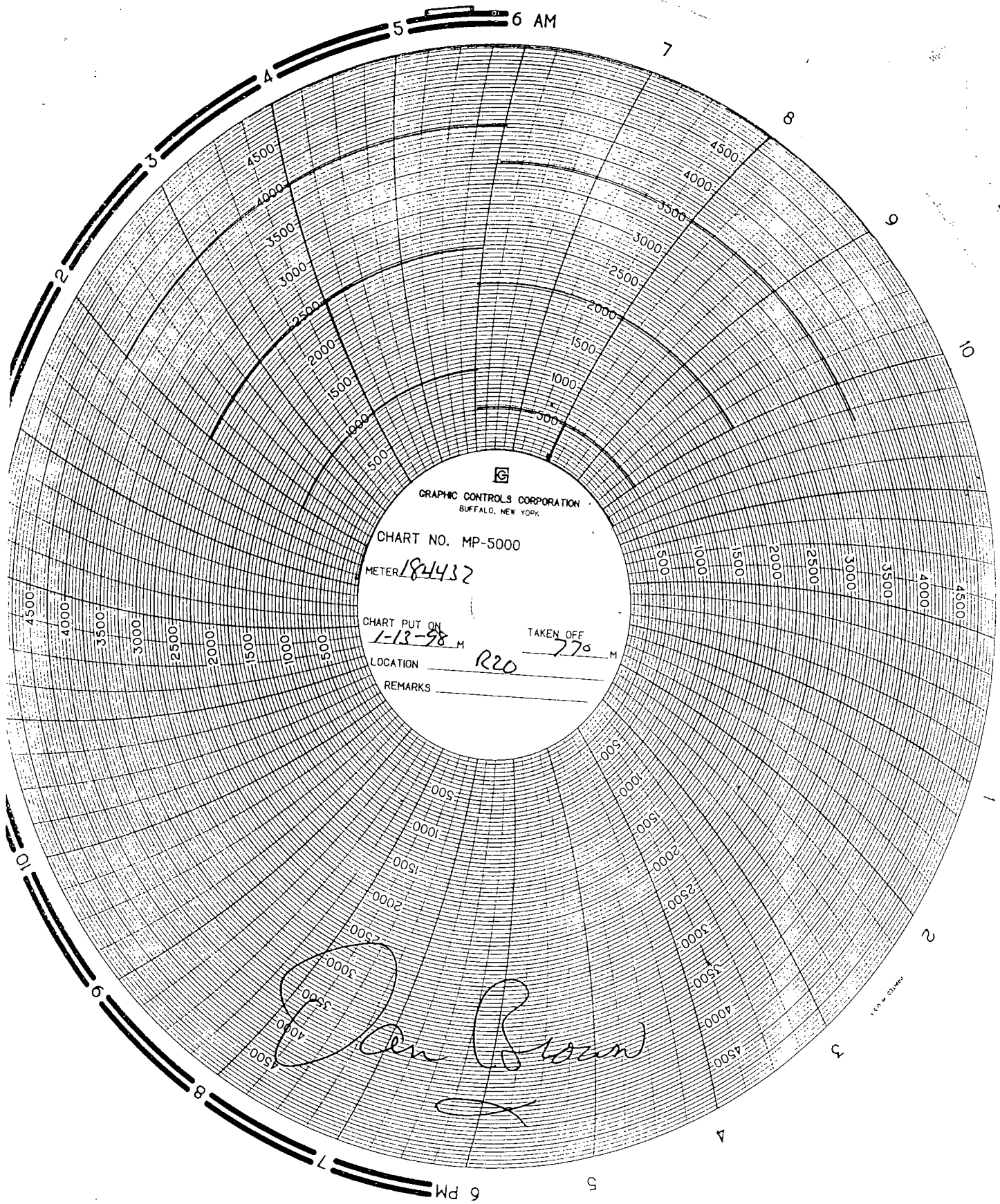
LOCATION Eugene Island 158 B'

REMARKS Equipment From
Morgan City Rentals
M.E. LA.

Victory PL
EI 1529A
EI 158 B

TAKEN OFF
8:45 PM

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GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MP-5000

METER 184432

CHART PUT ON 1-13-98 M

TAKEN OFF 77.0 M

LOCATION R20

REMARKS

Dan Brown

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Coastal
The Energy People

Shell Offshore, Inc.
Mr. Mark S. Pippin
Contracts Representative
One Shell Square, P.O. Box 61933
New Orleans, LA 70161-1933

October 6, 1997



Dear Mr. Pippin:

RE: Eugene Island Block 159 (OCS-G 4449)
SOI Proposed 4" Bulk Gas Pipeline
ANR Pipeline Company's 20" #733 Pipeline - F/ 199 to Patterson Terminal
Seg. #3552 (ROW OCS-G 1503)
Offshore Louisiana, Gulf of Mexico

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Reference is made to your letter of September 18, 1997 concerning Shell Offshore, Inc.'s application to the MMS for the construction of a 4" bulk gas pipeline which is proposed to cross ANR Pipeline Company's 20" pipeline in Eugene Island Block 159.

The proposed pipeline will cross ANR Pipeline Company's 20" sub-sea pipeline at approximate coordinates $X = 1,882,530.44$ and $Y = 64,968.35$ as indicated on your route maps.

ANR Pipeline Company (hereinafter referred to as "Grantor") will interpose no objection to Shell Offshore, Inc.'s (hereinafter referred to as "Grantee") proposed 4" bulk gas pipeline construction across our 20" pipeline under the following conditions:

1. Grantee shall comply with all applicable governmental agencies having jurisdiction thereof for the construction, installation, operation and maintenance of its pipelines.
2. At all times during the installation and operation of Grantee's pipeline, Grantee shall insure that its pipeline is adequately separated from that of the Grantor. Grantee may be permitted to use a temporary barrier during construction of the pipeline to facilitate the installation, subject to the review and approval of the Grantor. Grantee will be responsible for submittal of drawings and other information necessary for Grantor's review. Grantor will not permit its line to be lowered until it has reviewed drawings showing the proposed profile of the lowered line. Calculation of stress increases due to the lowering shall be submitted by the Grantee along with the drawings. Equations (4) and (5) of API Recommended Practice 1117, First Edition, shall be used to estimate the stress increases. Grantor's approval of the temporary barrier shall not relieve Grantee of responsibility for damages to Grantor's pipeline. Prior to placing the new pipeline in service, Grantee shall place a permanent sand cement barrier between the pipelines in accordance with our Drawing No. P-C-18, sheets 1 and 2,


Typical Separation Barrier Crossing of Offshore Pipeline/Cable, print of which is attached. All temporary and permanent barriers shall be at the sole cost of the Grantee.

3. No work is to be performed on or in the vicinity of Grantor's line unless the Grantor's inspector is present or Grantor has waived this requirement.
4. No barge anchoring shall be undertaken within 500 ft. of Grantor's pipeline unless Grantor's inspector has waived this condition in writing.
5. In the event it is necessary to lower Grantor's pipeline to make the crossing, the cost thereof shall be borne by Grantee. This cost will include any gas blown to the air. BEST AVAILABLE COPY
6. Any damage incurred to Grantor's line or to the coating shall be repaired by Grantee. The application of "Splash Zone Compound" in accordance with vendor's specifications will be satisfactory repair for damaged coating areas not exceeding one square foot wherein there is no damage to the pipe.
7. In the event it ever becomes necessary to raise and repair Grantor's pipeline at the pipeline crossing, Grantee will, at no expense to Grantor, lower its lines, so that Grantor's repaired pipeline may be laid over Grantee's pipeline.
8. In the event that Grantor's pipeline is ever removed from beneath Grantee's pipeline, Grantor will use care and diligence in removing same, but the expense of repairing any damage that might occur to Grantee's line or its coating as a result of the removal of the pipeline shall be borne by Grantee except that where such damage is caused by Grantor's negligence, Grantor shall bear such expense.
9. Grantee obligates itself to indemnify and hold Grantor free and harmless against any and all damages, claims or liabilities of every nature, kind or character, to the agents, servants or employees of Grantor or to third persons, resulting from the exercise of the permission herein granted.
10. Grantee shall place at Grantor's disposal, for free and uninstructed use by Grantor, any diving inspectors Grantee may have retained at the crossing. In the event Grantee does not have diving inspectors available for use by Grantor at the crossing, Grantee shall pay for the cost of diving services used by Grantor.
11. Grantee shall provide Grantor with a drawing indicating the "as built" location of the crossing, furnishing its Lambert Coordinates and the latitude and longitude, within 60 days of completion of construction.

12. Grantee shall provide notification to Mr. Nicky J. Smith, Area Manager, P. O. Box 53318, Lafayette, LA 70505; telephone: (318) 237-0314, a minimum of 72 hours before the construction commences, to allow for arrangements to have Grantor's inspector present during construction or for Grantor to waive this requirement in writing.

Please indicate your acceptance of the above conditions by signing and returning a copy of this letter.

Yours very truly,


Timothy M. Chastain
General Land Agent

Attachment

Accepted and agreed to:

this _____ day of _____, 1997

SHELL OFFSHORE, INC.

By: _____

Title: _____

cc: Mr. T.J. Purcell
Lafayette Area (w/att.)
Patterson Section (w/att.)
Land File

Acting Regional Supervisor, Field Operations
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, LA 70123-2394

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