

In Reply Refer To: MS 5232

APR 09 1988

Mr. Bill Jackson
National Marine Fisheries Service
Habitat Conservation Division
4700 Avenue U
Galveston, Texas 77550

Dear Mr. Jackson:

Enclosed is a copy of an application and a hazard survey report for the proposed installation of the following right-of-way pipeline in the Gulf of Mexico:

Right-of-Way Number: OCS-G 20499

Applicant: Walter Oil & Gas Corporation

Right-of-Way Length: 10.98 miles

Description: A 4 1/2-inch pipeline right-of-way to transport bulk gas from Garden Banks Block 179, Well No. 1 to High Island Area, Block 384, Platform A.

Your review and recommendations on the proposed pipeline operations are requested within 15 days of your receipt of this letter.

Sincerely,

(Org Sgd.) J. R. Hennessey

Alex Alvarado
Supervisor, Pipeline Section

Enclosures

cc: Mr. Steve Gittings
Flower Garden Banks
National Marine Sanctuary
216 West 26th Street, Suite 104
Bryan, Texas 77863
w/enclosure

bcc: 1502-01 (P/L OCS-G 18815 (Segment No. 11515) (MS 5232)
1502-01 (P/L OCS-G 18815) (MS 5033)

JG Guidry: amm: 7/17/97: MarinFis. 815

18815

MAY 12 1998

In Reply Refer To: MS 5232

Ms. Judy Archer
Walter Oil & Gas Corporation
1100 Louisiana, Suite 200
Houston, Texas 77002-5299

Dear Ms. Archer:

In accordance with 30 CFR 250.158(b), your letter dated January 9, amended May 7, 1998, transmitted a pipeline construction report for the following pipeline located in the High Island Area:

<u>Pipeline Segment No.</u>	<u>Size (inches)</u>	<u>Length (feet)</u>	<u>Service</u>	<u>From</u>	<u>To</u>
11515 (Right-of-Way OCS-G 18815)	6 5/8	20,369	Bulk Gas	Subsea Well No. 1 Block A-320 Lease OCS-G 15814	Platform A Block A-340 Lease OCS-G 2426

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>
11515	3,333	4	2,220	Valves

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 3.86 miles.

Sincerely,

(Org.Sgd.) J. R. Hennessey

Donald C. Howard
Regional Supervisor
Field Operations

bcc: 1502-01 Segment No. 11515, ROW OCS-G 18815 (MS 5232)
 / 1502-01 ROW OCS-G 18815 (Microfilm) (MS 5033)
 MS 5232 Carto

JGuidry:amm:1/22/98:Walter.515



WALTER OIL & GAS CORPORATION

John

January 9, 1998

Microfilm

Mr. Donald C. Howard
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. Alex Alvarado
Supervisor, Pipeline Unit

Re: 6.625" Bulk Gas Right-of-Way
Pipeline Installed In and through Blocks
A-320, A-339 and A-340, High Island Area
Offshore, Texas, OCS Federal Waters, Gulf of Mexico
Segment No.: 11515, Right-of-Way No.: 18815

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, hydrostatic test and 3-1/2-inch diskette, per NTL 97-08 dated March 14, 1997, for the 6.625" Bulk Gas Pipeline installed in and through Blocks A-320, A-339 and A-340, High Island Area, Offshore, Texas.

The installation of the 6.625" pipeline and hydrostatic testing was completed on November 12, 1997.

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

Very truly yours,
WALTER OIL & GAS CORPORATION

Judy Archer

Judy Archer
Regulatory/Environmental Coordinator
enclosures





A-495
OCS-G 15801

A-520
OCS-G 17189

HI A-320 WELL NO. 1
X = 3,635,951.68
Y = 152,209.28
LAT. = 28° 09' 15.286"N
LONG. = 93° 55' 19.898"W

A-320
OCS-G 15814
WALTER OIL &
GAS CORP.

A-339
OCS-G 2739
PENNZOIL EXPLOR.
& PROD. COMPANY

AS-BUILT 6" BLKG PIPELINE
SEGMENT No. 11515

TOTAL LENGTH (PIPE TALLY) = 20,369'
(3.86 STAT. MILES)

BLOCKLINE CROSSING
X = 3,635,831.24
Y = 150,480.00

Y = 150,000
X = 3,640,000

Y = 145,000
X = 3,645,000

HIGH ISLAND AREA
SOUTH ADDITION
EAST EXTENSION

BEST AVAILABLE COPY

BLOCKLINE CROSSING
X = 3,636,287.23
Y = 134,640.00

PIPELINE CROSSING
X = 3,636,370
Y = 134,566

HI A-340 'A' RISER
X = 3,638,626
Y = 133,802
LAT. = 28° 06' 12.059"N
LONG. = 93° 54' 58.988"W

Y = 135,000

A-521
OCS-G 17190

A-340
OCS-G 2426
PENNZOIL EXPLOR.
& PROD. COMPANY



HIGH ISLAND AREA
SOUTH ADDITION

★ 7

X = 3,634,195.81

1
5
10
15
20
25
30
35
40
45
50
55
60
65
70

FLOW

HIOS 30" GAS

MICHIGAN WISCONSIN
8" GAS

KOCH 8" GAS

KOCH 12" GAS

10" GAS

8" OIL

★ 1

AS-BUILT 6" BLKG PIPELINE FROM HI A-320 No.1 RISER TO HI A-340 'A' RISER

NO.	X-COORD.	Y-COORD.	NO.	X-COORD.	Y-COORD.
1	3,635,951.68	152,209.28 HI A-320 WELL No. 1	37	3,635,266	141,967
2	3,635,928	152,140	38	3,635,247	141,699
3	3,635,930	151,726	39	3,635,198	140,951
4	3,635,893	151,423	40	3,635,160	140,429
5	3,635,886	151,221	41	3,635,147	140,172
6	3,635,863	150,930	42	3,635,131	139,959
7	3,635,853	150,816	43	3,635,098	139,506
8	3,635,828	150,430	44	3,635,069	139,004
9	3,635,814	150,262	45	3,635,028	138,505
10	3,635,805	150,032	46	3,635,011	137,983
11	3,635,793	149,931	47	3,635,009	137,777
12	3,635,772	149,530	48	3,635,000	137,496
13	3,635,727	148,850	49	3,635,011	137,165
14	3,635,717	148,685	50	3,635,029	136,997
15	3,635,693	148,380	51	3,635,076	136,749
16	3,635,643	147,686	52	3,635,150	136,474
17	3,635,622	147,347	53	3,635,195	136,354
18	3,635,609	147,188	54	3,635,288	136,141
19	3,635,590	146,879	55	3,635,367	135,967
20	3,635,581	146,689	56	3,635,510	135,668
21	3,635,559	146,364	57	3,635,631	135,390
22	3,635,549	146,190	58	3,635,712	135,231
23	3,635,534	145,860	59	3,635,814	135,093
24	3,635,518	145,691	60	3,636,015	134,892
25	3,635,496	145,372	61	3,636,134	134,777
26	3,635,484	145,192	62	3,636,370	134,566 PIPELINE CROSSING
27	3,635,459	144,906	63	3,636,559	134,416
28	3,635,454	144,691	64	3,636,822	134,271
29	3,635,429	144,412	65	3,637,067	134,175
30	3,635,422	144,193	66	3,637,289	134,091
31	3,635,414	143,960	67	3,637,503	134,015
32	3,635,387	143,696	68	3,637,788	133,948
33	3,635,366	143,373	69	3,638,028	133,929
34	3,635,351	143,196	70	3,638,224	133,873
35	3,635,344	142,978	71	3,638,626	133,802 HI A-340 'A' RISER
36	3,635,282	142,199			

TOTAL LENGTH (PIPE TALLY) = 20,369'

NOTES:

- 1) Coordinates for HI A-320 Well No. 1 taken from permit drawings and surveyed by others. Verified this survey.
- 2) The section of pipe from point 69 to 71 was pulled southwards after as-built data was collected. Coordinates for this section were derived from diver's measurements and platform dimensions.
- 3) Depth of cover is a minimum of 3'. Depth of cover information provided by others.

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.

BEST AVAILABLE COPY

If this seal is not purple colored, the plan is a copy that should be assumed to contain unauthorized alterations. The certification contained in this document shall not apply to any copies.

KEITH A. CODD

Keith A. Codd, Registered Professional Surveyor No. 4669

Date

WALTER OIL & GAS CORPORATION

AS-BUILT 6" BLKG PIPELINE

SEGMENT No. 11515
HI A-320 #1 WELL TO HI A-340 'A' RISER
HIGH ISLAND AREA
EAST ADDITION SOUTH EXTENSION

DATUM: NAD 27

SPHEROID: CLARKE 1866

PROJECTION: LAMBERT

ZONE: TEXAS SOUTH CENTRAL

GRID UNITS: U.S. SURVEY FEET

Prepared for:
TORCH, INC.



KC OFFSHORE, L.L.C.
AN ENERTEC COMPANY

36499 PERKINS RD., PRAIRIEVILLE, LOUISIANA 70769

DRN. DLA	PREP. RWS	CAL. KAC	APP. KAC	FILE NO. 24-7-283
CHK. KAC	CHK. TAO	CHK. KAC	DATE 10/9/97	FIG. NO.

HYDRO TEST
of
PIPELINE AND RISER
(Installation)
by
CAL DIVE, INTERNATIONAL

HOUSTON, TX (713) 690-1818
DALLAS, TX (214) 921-1000
SAN ANTONIO, TX (512) 631-0315
AUSTIN, TX (512) 366-5997

CAL DIVE INTERNATIONAL

FORM 1
13430 Northwest Freeway
Houston, TX 77040

BEST AVAILABLE COPY

Cal Dive Job #: _____

Date: 11-11-97 & 11-12-97

MISCELLANEOUS TEST RECORD TICKET

CUSTOMER: Walters Oil & Gas PIPELINE SIZE: 6"
SHORE LOCATION OF PIPELINE: HT 340A - HT 320
D.W.T. SER. # 54472-2 TEMP. RECORDER SER. # 45739 PRESS. RECORDER SER. # 56543
TEST PRESSURE: 3330-3380 TIME START: 2245 TIME COMPLETED: 0740

- IMPORTANT:**
1. Include calibration paperwork for test equipment.
 2. This form is to be completed in conjunction with chart recordings.
 3. Should the company representative require original test records and chart recordings, document the name of the individual in the 24-hour log and include copies of all chart recordings and test records in paperwork to be handed in to the Cal Dive office.

TIME	DEAD WEIGHT	PRESSURE RECORDER	TEMP. RECORDER	AMBIENT TEMP.	REMARKS
2245	3378	3380	72°	70°	Heavy rains & winds
2300	3378	3380	71°	70°	all night long. Seas
2315	3377	3380	71°	70°	run eight foot plus.
2330	3377	3380	70°	70°	
2345	3376	3380	70°	70°	
0000	3375	3380	71°	70°	
0015	3374	3380	71°	70°	
0030	3373	3380	71°	70°	
0045	3371	3380	71°	70°	
0100	3370	3380	71°	70°	
0115	3369	3380	71°	70°	
0130	3368	3380	71°	70°	
0145	3367	3380	71°	70°	
0200	3367	3380	71°	70°	
0215	3366	3380	71°	70°	
0230	3366	3380	71°	70°	Pump up @ 0235
0245	3380	3380	72°	70°	Start of last four
0300	3379	3380	72°	70°	hours.

UNIT OPERATOR
WM. MOORE
CAL-DIVE INT.

COMPANY REPRESENTATIVE

Lt, Tx (713) 690-1818
 Lt, La (518) 981-1003
 Clev, La (504) 631-0315
 Lt, La (504) 366-5997

CAL DIVE INTERNATIONAL

13430 Northwest Freeway
 Houston, Tx 77040

BEST AVAILABLE COPY

Cal Dive Job #: _____

Date: 11-11-97 3 11-12-99

MISCELLANEOUS TEST RECORD TICKET

OWNER: WALTERS OIL & GAS PIPELINE SIZE: 6"

SHORE LOCATION OF PIPELINE: HI #340A - HI 320

WT. SER. # _____ TEMP. RECORDER SER. # _____ PRESS. RECORDER SER. # _____

PRESSURE: 3380 - 3380 TIME START: _____ TIME COMPLETED: _____

- IMPORTANT:**
1. Include calibration paperwork for test equipment.
 2. This form is to be completed in conjunction with chart recordings.
 3. Should the company representative require original test records and chart recordings, document the name of the individual in the 24-hour log and include copies of all chart recordings and test records in paperwork to be handed in to the Cal Dive office.

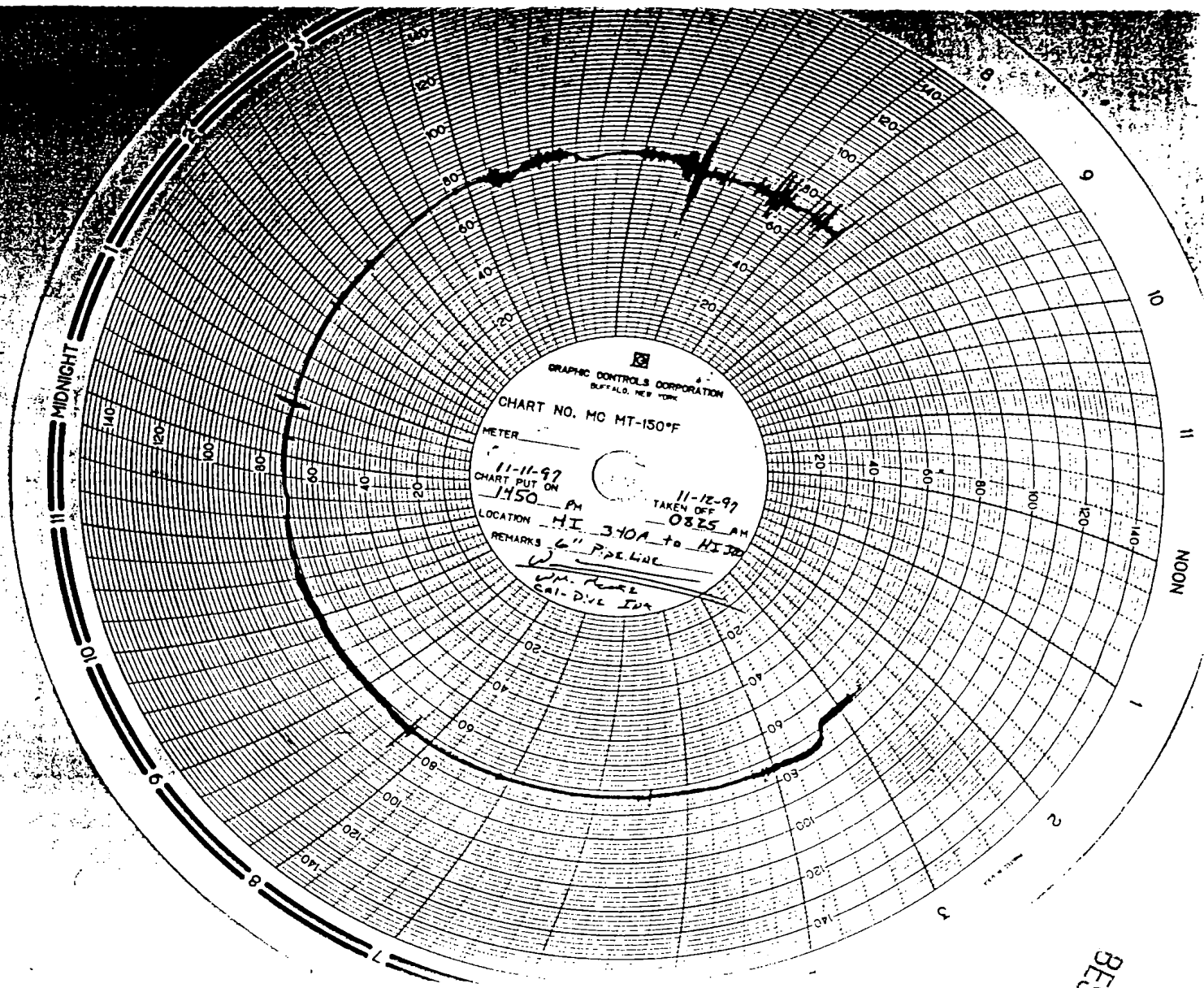
TIME	DEAD WEIGHT	PRESSURE RECORDER	TEMP. RECORDER	AMBIENT TEMP.	REMARKS
2245	3378	3380	72°	70°	HEAVY RAINS
2300	3378	3380	72° 71°	70°	WINDS ALL NIGHT LONG
2315	3377	3380	71° 71°	70°	SEAS RUN 8 FOOT PLUS
2330	3377	3380	70° 70°	70°	
2345	3376	3380	70°	70°	
0000	3375	3380	70° 71°	70°	
0015	3374	3380	70° 71°	70°	
0030	3373	3380	70° 71°	70°	
0045	3371	3380	70° 71°	70°	
0100	3370	3380	70° 71°	70°	
0115	3369	3380	70° 71°	70°	
0130	3368	3380	70° 71°	70°	
0145	3367	3380	70° 71°	70°	
0200	3367	3380	70° 71°	70°	
0215	3366	3380	70° 71°	70°	
0230	3366	3380	70° 71°	70°	PUMP UP @ 0235
0245	3380	3380	70° 72°	70°	START OF LAST 4 HOURS
0300	3379	3380	70° 72°	70°	

BEST AVAILABLE COPY

FORM 2[illegible]

UNIT OPERATOR

COMPANY REPRESENTATIVE



BEST AVAILABLE COPY



STANDARD INSTRUMENT SERVICE

P. O. Box 478

HARVEY, LOUISIANA

TELEPHONE 347-4188



CALIBRATION CERTIFICATE

This is to certify that this gauge has been inspected and calibrated.

Serial No. of Gauge S/N# 45739
Size of Gauge 12"
Mfg. of Gauge BARTON
Pressure Range 0-150 TEMP.

TESTER READING	GAUGE READING
30'	30'
60'	60'
90'	90'
120'	120'
150'	150'

TYPE TESTER USED: HADES NDP 181

DATE TESTED: 6-30-97 BY: Melvin Allen

This Instrument was calibrated with standards which are accurate and traceable to "THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY" N.I.S.T. numbers 167720 and 174192

Room Temp. 78 F.
Calibrated In UP Right Position



BEST AVAILABLE COPY





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
Hwy. 1 South
(504) 475-5777
Fax 504 475-6609



Calibrated for Cal Dive

PART NUMBER 00W

SERIAL NUMBER 54472-2

PRESSURE RANGE 5K P.S.I. ACCURACY $\pm$ 2 % FULL SCALE $\pm$ _____ P.S.I.)

Digital Dead Weight CALIBRATION

INCREASING PRESSURE/TEMPERATURE			DECREASING PRESSURE/TEMPERATURE		
Applied Press./Temp.	Indicated Press./Temp.	Difference	Applied Press./Temp.	Indicated Press./Temp.	Difference
1000	1000		5000	5000	-0-
2500	2500		3500	3500	-0-
4000	4000		2000	2000	-0-
5000	5000		500	500	-0-
			-0-	-0-	-0-

Calibrated in UPRIGHT Position. Temp. 77 ° F.

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

against Pressure/Temperature Standard VAETRIX I S/N 718

traceable to the National Bureau of Standards, traceability reference 822/255136-95 NIST
compensated to local acceleration due to gravity.

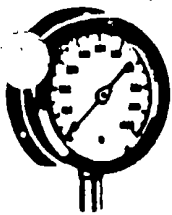
TAYLOR TOOLS INC.

Special Conditions: NONE

DATE OF CALIBRATION 2/25/97

INSPECTOR Dan Brown

BEST AVAILABLE COPY



STANDARD INSTRUMENT SERVICE

P. O. Box 473

HARVEY, LOUISIANA

TELEPHONE 367-4195



CALIBRATION CERTIFICATE

This is to certify that this gauge has been inspected and calibrated.

Serial No. of Gauge 56543
Size of Gauge 1/2"
Mfg. of Gauge BARTON
Pressure Range 0-5000 psi

TESTER READING	GAUGE READING
<u>1000</u> <u>psi</u>	<u>1000</u> <u>psi</u>
<u>2000</u>	<u>2000</u>
<u>3000</u>	<u>3000</u>
<u>4000</u>	<u>4000</u>
<u>5000</u>	<u>5000</u>

TYPE TESTER USED: ASTROFT 1312 DEAD WEIGHT TESTER

DATE TESTED: 9-12-97 BY: A.J. FOLSE

This Instrument was calibrated with standards which are accurate and traceable to "THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY" N.I.S.T. numbers 167720 and 174192

Room Temp. 74° F.
Calibrated In UPPER Position



BEST AVAILABLE COPY



HYDRO TEST
of
RISER (Fabrication) ~~3~~ TIE-IN SPOOL
by
CAL DIVE INTERNATIONAL

BEST AVAILABLE COPY

HOA, TX (713) 690-1818
HOA, LA (518) 981-1003
HOA, LA (504) 631-0315
HOA, LA (504) 366-5997

CAL DIVE INTERNATIONAL

FORM

13430 Northwest Freeway
Houston, TX 77040

BEST AVAILABLE COPY Cal Dive Job #: _____

Date: 10-20-97

MISCELLANEOUS TEST RECORD TICKET

CUSTOMER: Walters Oil & Gas

PIPELINE SIZE: 6"

SHORE LOCATION OF PIPELINE: HL 340A to HL 320 (Cameron Fsb. Yard)

ID WT. SER. # 54472-2 TEMP. RECORDER SER. # N/A

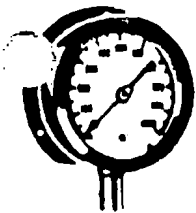
PRESS. RECORDER SER. # 242E565X

TEST PRESSURE: 3330-3380 TIME START: 1300

TIME COMPLETED: 1745

- IMPORTANT:**
1. Include calibration paperwork for test equipment.
 2. This form is to be completed in conjunction with chart recordings.
 3. Should the company representative require original test records and chart recordings, document the name of the individual in the 24-hour log and include copies of all chart recordings and test records in paperwork to be handed in to the Cal Dive office.

TIME	DEAD WEIGHT	PRESSURE RECORDER	TEMP. RECORDER	AMBIENT TEMP.	REMARKS
1300	3333	3350	N/A	86°	
1315	3369	3400	N/A	86°	1319 Bleed down to 3334
1330	3357	3450	N/A	82°	1337 Bleed down to 3334
1345	3354	3450	N/A	82°	1355 Bleed down to 3335
1400	3339	3450	N/A	80°	
1415	3364	3450	N/A	82°	1426 Bleed down to 3333
1430	3340	3450	N/A	82°	
1445	3348	3450	N/A	82°	
1500	3334	3400	N/A	82°	1502 Pump up to 3356
1515	3343	3400	N/A	80°	1528 Pump up to 3375
1530	3373	3450	N/A	80°	
1545	3360	3400	N/A	80°	
1600	3376	3450	N/A	80°	1600 Pump up to 3376
1615	3359	3450	N/A	80°	
1630	3342	3400	N/A	80°	1640 Pump up to 3375
1645	3364	3450	N/A	80°	
1700	3340	3400	N/A	80°	1710 Pump up to 3376
1715	3366	3400	N/A	80°	



STANDARD INSTRUMENT SERVICE

P. O. Box 478

HARVEY, LOUISIANA

TELEPHONE 367-4195



CALIBRATION CERTIFICATE

This is to certify that this gauge has been inspected and calibrated.

Serial No. of Gauge 56543
Size of Gauge 1 1/2"
Mfg. of Gauge BARTON
Pressure Range 0-5000 psi

TESTER READING	GAUGE READING
<u>1000</u> <u>psi</u>	<u>1000</u> <u>psi</u>
<u>2000</u>	<u>2000</u>
<u>3000</u>	<u>3000</u>
<u>4000</u>	<u>4000</u>
<u>5000</u>	<u>5000</u>

TYPE TESTER USED: ASTROFT 7312 DEAD WEIGHT TESTER

DATE TESTED: 9-12-97 BY: A.J. FOLSE

This Instrument was calibrated with standards which are accurate and traceable to "THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY"
N.I.S.T. numbers 167720 and 174192

Room Temp. 74° F.
Calibrated In UPR164 Position

BEST AVAILABLE COPY





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



Calibrated for Cal Dive

PART NUMBER 00W

SERIAL NUMBER 54472-2

PRESSURE RANGE 5K P.S.I. ACCURACY $\pm$ 2 % FULL SCALE $\pm$ _____ P.S.I.)

Digital Dead Weight

CALIBRATION

INCREASING PRESSURE/TEMPERATURE			DECREASING PRESSURE/TEMPERATURE		
Applied Press./Temp.	Indicated Press./Temp.	Difference	Applied Press./Temp.	Indicated Press./Temp.	Difference
1000	1000		5000	5000	-0-
2500	2500		3500	3500	-0-
4000	4000		2000	2000	-0-
5000	5000		500	500	-0-
			-0-	-0-	-0-

CALIBRATION
CERTIFICATE

Calibrated in UPRIGHT Position. Temp. 77 ° F.

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

against Pressure/Temperature Standard VAETRIX I S/N 718

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

Special Conditions: NONE

DATE OF CALIBRATION 2/25/97

INSPECTOR

Sam Brown

BEST AVAILABLE COPY



STANDARD INSTRUMENT SERVICE

P. O. Box 478

HARVEY, LOUISIANA

TELEPHONE 247-4198



CALIBRATION CERTIFICATE

This is to certify that this gauge has been inspected and calibrated.

Serial No. of Gauge S/N# 45739
Size of Gauge 12"
Mfg. of Gauge BARTON
Pressure Range 0-150" TEMP.

TESTER READING	GAUGE READING
30'	30'
60'	60'
90'	90'
120'	120'
150'	150'

TYPE TESTER USED: HADES NDP 181

DATE TESTED: 6-30-97 BY: Medi. Allen

This Instrument was calibrated with standards which are accurate and traceable to "THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY" N.I.S.T. numbers 167720 and 174192

Room Temp. 78 F.
Calibrated In UP Right Position



BEST AVAILABLE COPY

