

Scan update
Segment No. 17769,17770
ROW OCS-G G28550

In Reply Refer To: MS 5232

August 4, 2010

Mr. Bruce Cooley
LLOG Exploration Offshore, Inc.
1001 Ochsner Blvd.
Suite 200
Covington, Louisiana 70433

Dear Mr. Cooley:

This office has reviewed your completion report for the following pipeline:

Application Type: New Right-of-Way Pipeline
Letter Date: November 3, 2009

Segment Number	Size (inches)	Length (feet)	Service	From	To
17769	04-06	27252	Bulk Gas	Subsea Well No.2 Mississippi Canyon Block 72	Platform A Viosca Knoll Block 989
17770	02	29757	Electric/ Hydraulic Umbilical	A Platform Viosca Knoll Block 989	Sussea Well No.2 Mississippi Canyon Block 72

Right-of-Way No.: OCS-G28550

The total length of the "as-built" right-of-way is 5.16 miles.

The report is submitted in accordance with 30 CFR 250.1008 (b).

The data provided in the report establishes the assigned maximum allowable operating pressure (MAOP) for the pipeline:

Segment Number	MAOP (psig)	MAOP Determination
17769	9128	Hydrostatic Test Pressure

The high and low-pressure sensors shall be set no higher than 15 percent above

and below the normal operating range, respectively. The high pilot, however, shall not be set higher than the MAOP of the pipeline. The pressure range shall be established by the use of pressure recorders.

Sincerely,

BIMAL SHRESTHA

Michael J. Saucier
Regional Supervisor
Field Operations

bcc:1502-01 Segment No. 17769, 17770 ROW OCS-G G28550 (MS5232)
1502-01 ROW OCS-G G28550 (Scanning) (MS 5033)
Bshrestha: 17769/17770:GIeva

November 3, 2009

Scanning
update

ROW 28550

seg. 17769
17770

Mr. Michael J. Saucier
Regional Supervisor Field Operations
Minerals Management Service
1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394
MS 5232

PIPELINE AS-BUILT PLAT

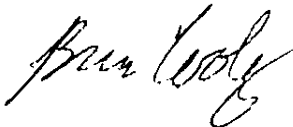
Right-of-Way Number: OCS-G 28550
MMS Segment No. 17769 & MMS Segment No. 17770
6" Bulk Gas Pipeline and Associated 2" Control Umbilical
From Mississippi Canyon Block 72, Subsea Well No. 002, OCS-G-08483,
To the Viosca Knoll Block 989 "A" Production Platform, OCS-G-06898,
Gulf of Mexico, Offshore, Louisiana

Dear Mr. Saucier:

In accordance with 30 CFR 250.1008(b), the above referenced pipeline has been installed as authorized and in accordance with the MMS permit granted. The pipeline installation was completed in September 2009 without incident.

Enclosed as per your requirements are certified, as-built plats with key points identified, a diskette with the required digital data and all hydrostatic test data with certification papers. If you have any questions or need additional information, please contact me at (985) 801-4300.

Very truly yours,



Bruce Cooley
Vice President Facilities Engineering
LLOG Exploration Offshore, Inc.

Client:	Pinnacle Engineering Inc	Length:	29100 ft
Project:	Hydro Test 6" Pipeline	ID:	5.00 in
System:	29000' of 6" pipeline	Volume:	29682 US Gallon
Location:	VK-989-A Pompano BP	Vol/Stk:	0.00 US Gallon
Job No.:	LLOG-078		
Date:	21-Jul-09		



PIPELINE SERVICES INTERNATIONAL LLC
 3430 S. Sam Houston Parkway E. Suite 100
 Houston, TX. 77047
 Tel: (713) 358-9350
 Fax: (713) 358-9351

Date	Time	Pressure psig	Volume Injected GALLONS	Volume Change GALLONS	Ambient Temperature DEG C	Pipewall Temperature DEG C	REMARKS
21-Jul-09	21:15	11416.00		0.000	82.00	86.00	
21-Jul-09	21:30	11415.00		0.000	82.00	85.00	
21-Jul-09	21:45	11415.00		0.000	82.00	85.00	
21-Jul-09	22:00	11414.00		0.000	82.00	85.00	
21-Jul-09	22:15	11414.00		0.000	82.00	85.00	
21-Jul-09	22:30	11413.00		0.000	82.00	84.00	
21-Jul-09	22:45	11413.00		0.000	82.00	84.00	
21-Jul-09	23:00	11412.00		0.000	82.00	84.00	
21-Jul-09	23:15	11412.00		0.000	82.00	84.00	
21-Jul-09	23:30	11412.00		0.000	82.00	84.00	
21-Jul-09	23:45	11412.00		0.000	82.00	84.00	
22-Jul-09	0:00	11411.00		0.000	82.00	84.00	
22-Jul-09	0:15	11411.00		0.000	82.00	84.00	
22-Jul-09	0:30	11411.00		0.000	82.00	84.00	
22-Jul-09	0:40	11411.00		0.000	82.00	84.00	End test , test is good .
22-Jul-09	0:45	11411.00		0.000			Start bleeding down test to 0 PSI.
22-Jul-09	2:15	0.00		0.000			At 0 PSI

Approval:	Name	Signature	Date
PSI	Rick Phillips		22-Jul-09
Client:	Steven Fowler		22-Jul-09

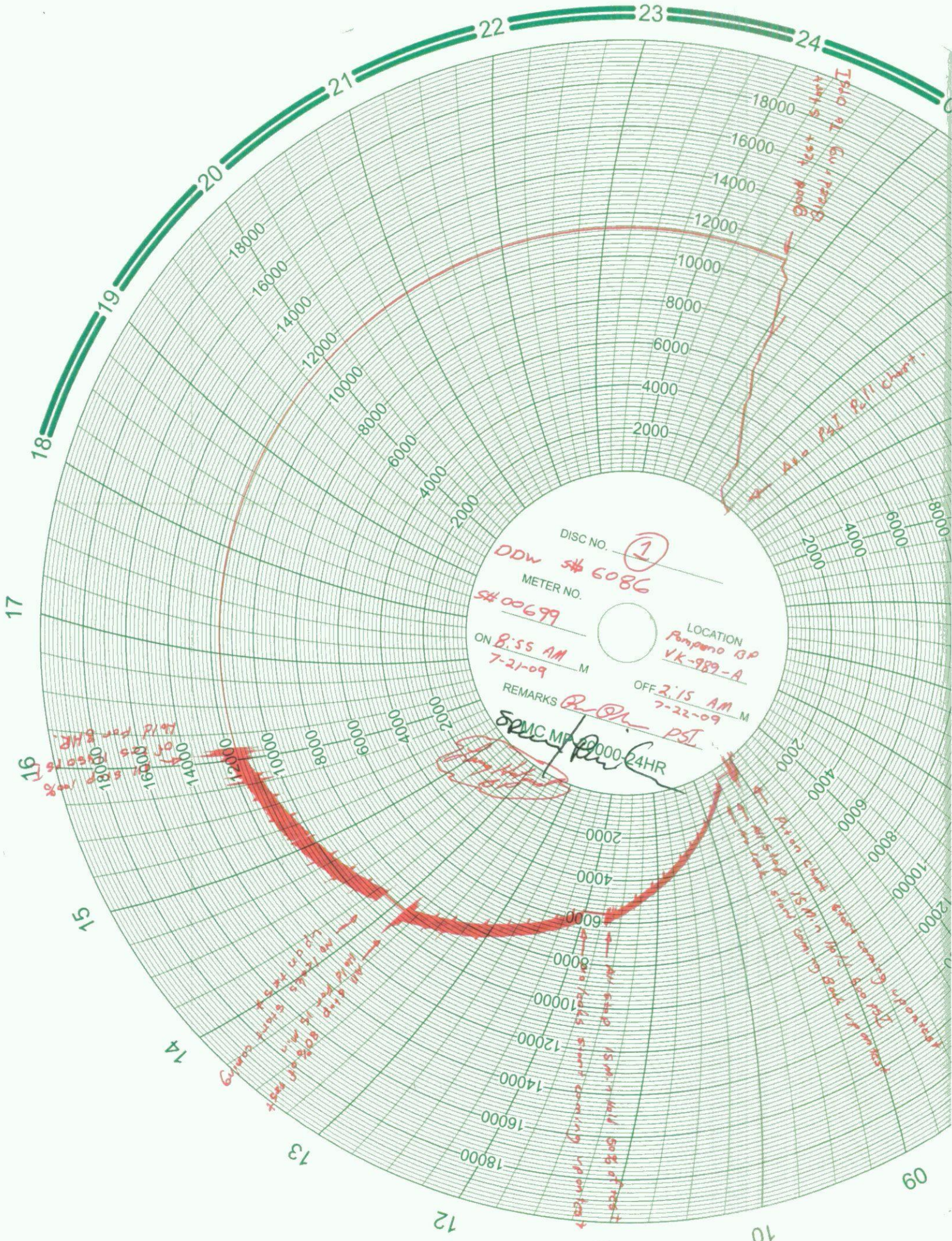
Client:	Pinnacle Engineering Inc	Length:	29100 ft
Project:	Hydro Test 6" Pipeline	ID:	5.00 in
System:	29000' of 6" pipeline	Volume:	29682 US Gallon
Location:	VK-989-A Pompano BP	Vol/Stk:	0.02 US Gallon
Job No.:	LLOG-078		
Date:	21-Jul-09		



PIPELINE SERVICES INTERNATIONAL LLC
 3430 S. Sam Houston Parkway E. Suite 100
 Houston, TX. 77047
 Tel: (713) 358-9350
 Fax: (713) 358-9351

Date	Time	Pressure psig	Volume Injected Gallons	Volume Change GALLONS	Ambient Temperature DEG C	Pipewall Temperature DEG C	REMARKS
21-Jul-09	8:55	0.00		0.000			Start coming up on test.
21-Jul-09	9:00	541.00	65.16	65.160			All stop 500 PSI hold for 15min look for leaks.
21-Jul-09	9:28	541.00	96.81	31.650			No leaks start coming up on test.
21-Jul-09	10:00	1975.00	232.00	135.190			
21-Jul-09	10:15	2774.00	326.00	94.000			
21-Jul-09	10:30	3244.00	380.00	54.000			
21-Jul-09	10:45	3926.00	461.00	81.000			
21-Jul-09	11:00	4323.00	507.00	46.000			
21-Jul-09	11:15	4851.00	571.00	64.000			
21-Jul-09	11:30	5431.00	640.00	69.000			
21-Jul-09	11:37	5637.00	665.00	25.000			All stop 50% hold for 15 min look for leaks.
21-Jul-09	11:56	5635.00	665.00	0.000			No leaks start pumping up on line.
21-Jul-09	12:15	6287.00	748.00	83.000			
21-Jul-09	12:30	6921.00	830.00	82.000			
21-Jul-09	12:45	7300.00	878.00	48.000			
21-Jul-09	13:00	7720.00	938.00	60.000			
21-Jul-09	13:15	8296.00	1021.00	83.000			
21-Jul-09	13:30	8585.00	1065.00	44.000			
21-Jul-09	13:45	9007.00	1076.00	11.000			All stop 80% hold for 15 min look for leaks
21-Jul-09	14:00	8999.00	1076.00	0.000			No leaks start pumping up on line.
21-Jul-09	14:15	9331.00	1190.00	114.000			
21-Jul-09	14:30	9629.00	1243.00	53.000			
21-Jul-09	14:45	9931.00	1301.00	58.000			
21-Jul-09	15:00	10256.00	1366.00	65.000			
21-Jul-09	15:15	10548.00	1427.00	61.000			
21-Jul-09	15:30	10857.00	1492.00	65.000			
21-Jul-09	15:45	11255.00	1556.00	64.000			
21-Jul-09	16:00	11450.00	1635.00	79.000			All stop at 100% of test hold for 8 HR.
21-Jul-09	16:15	11445.00		0.000	93.00	96.00	
21-Jul-09	16:30	11439.00		0.000	90.00	96.00	
21-Jul-09	16:45	11436.00		0.000	90.00	94.00	
21-Jul-09	17:00	11434.00		0.000	90.00	94.00	
21-Jul-09	17:15	11433.00		0.000	90.00	94.00	
21-Jul-09	17:30	11432.00		0.000	88.00	92.00	
21-Jul-09	17:45	11431.00		0.000	86.00	91.00	
21-Jul-09	18:00	11428.00		0.000	86.00	90.00	
21-Jul-09	18:15	11428.00		0.000	86.00	90.00	
21-Jul-09	18:30	11427.00		0.000	85.00	89.00	
21-Jul-09	18:45	11424.00		0.000	84.00	88.00	
21-Jul-09	19:00	11424.00		0.000	84.00	88.00	
21-Jul-09	19:15	11423.00		0.000	84.00	88.00	
21-Jul-09	19:30	11423.00		0.000	83.00	87.00	
21-Jul-09	19:45	11421.00		0.000	82.00	86.00	
21-Jul-09	20:00	11420.00		0.000	82.00	86.00	
21-Jul-09	20:15	11419.00		0.000	82.00	86.00	
21-Jul-09	20:30	11419.00		0.000	82.00	86.00	
21-Jul-09	20:45	11418.00		0.000	82.00	86.00	
21-Jul-09	21:00	11417.00		0.000	82.00	86.00	

Approval:			
	Name	Signature	Date
PSI	Rick Phillips		21-Jul-09
Client:	Steven Fowler		21-Jul-09



DISC NO. 1
 DDW # 6086
 METER NO. #00699
 LOCATION Pompano BP VK-989-A
 ON 8:55 AM M 7-21-09
 OFF 2:15 AM M 7-22-09
 REMARKS SPMC MP 24HR

Good test & test
 Bleeding to PSI

Ave PSI PSI Chart

Held for 24HR
 of 50% of test

All test up of
 15 min hold 50% of test
 24HR

15 min hold 50% of test
 24HR

All test up of
 15 min hold 50% of test
 24HR

MCMT150F-24HR

METER *St 00991*

CHART PUT ON
8:40 AM

7-21-09

LOCATION *Pampara 8P*

REMARKS *Line Temp*

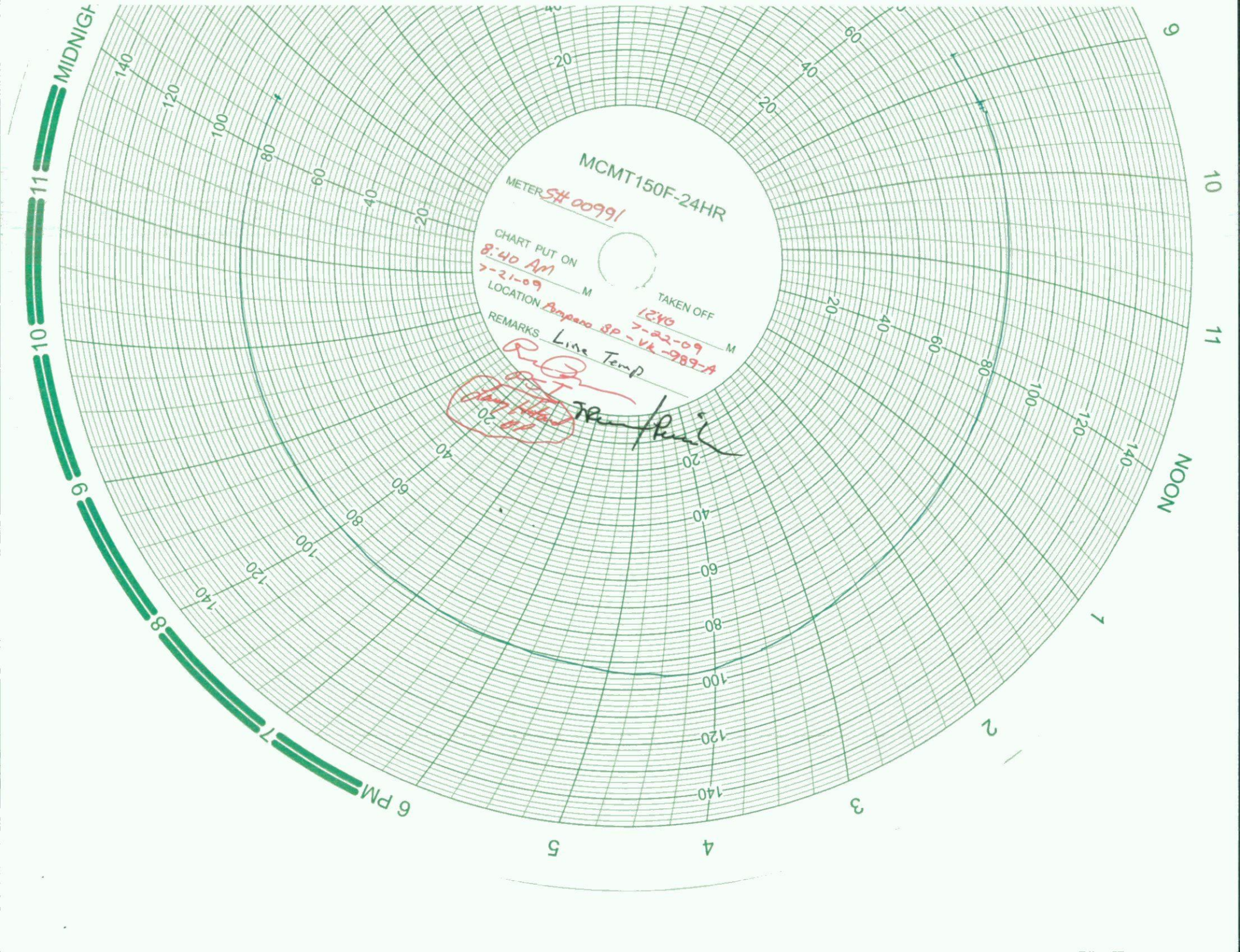
TAKEN OFF

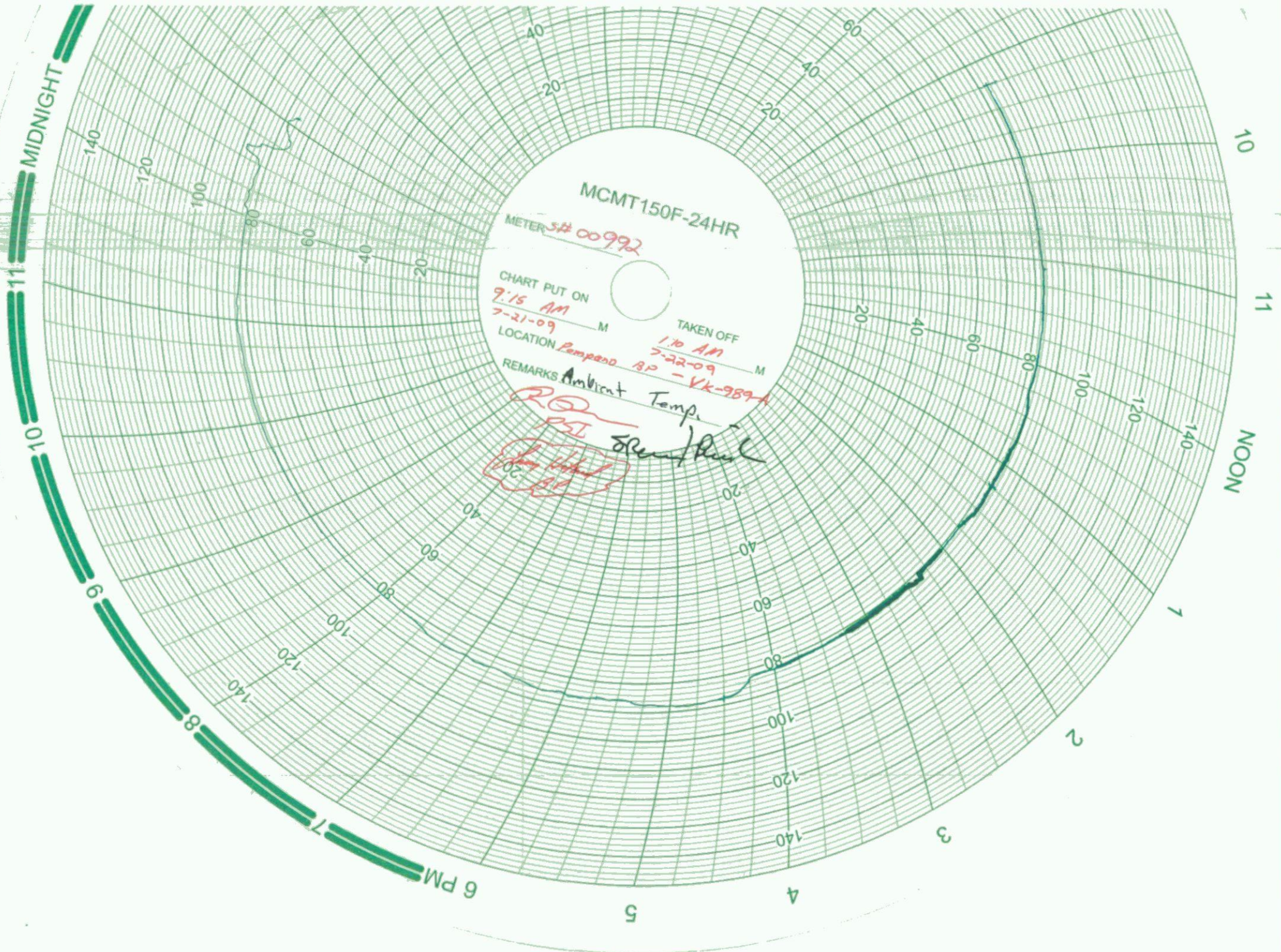
12:40

7-22-09

Vk-989-A

R. D. [Signature]
7/21/09
10:20





MCMT150F-24HR

METER *52 00992*

CHART PUT ON
9:15 AM

7-21-09

LOCATION *Pompano*

REMARKS *Ambient Temp.*

TAKEN OFF
1:0 AM

7-22-09

-Vk-989-A

RD
PSI
58 mm Hg
02



Technology & Calibration, Inc.
"When Quality Counts"

Tech Cal Recorder Calibration Report

Report Number: 64235

CERTIFICATE OF CALIBRATION

Tech Cal Recorder , S/N# : 00992

Issued To:

Pipeline Services International, LLC
Houston, Texas

This is to certify that this pressure and/or temperature recorder has been manufactured and calibrated in accordance with Technology & Calibration, Inc.'s quality assurance program, current revision. All measurements are traceable to the National Institute of Standards and Technology (NIST). Certified in accordance with ANSI/NCSL, Z540-1 and ISO 10012-1. All calibrations performed at 72 degrees F. plus or minus 4 degrees F. and less than 65% relative humidity. The collective uncertainty of the measurement standards does not exceed 25% of the acceptable tolerance for each characteristic of the measuring and test equipment being certified.

Model: 10T00 Serial Number: 00992 PO Number: Ponce

Pen 1			Pen 2			Pen 3		
Range	Units	Deg F	Range	Units	NA	Range	Units	NA
Standard	Actual	Error	Standard	Actual	Error	Standard	Actual	Error
0.00	0.00	0.00%	0.00	NA	0.00%	0.00	NA	0.00%
30.00	30.00	0.00%	0.00	NA	ERR	0.00	NA	ERR
60.00	60.00	0.00%	0.00	NA	ERR	0.00	NA	ERR
90.00	90.00	0.00%	0.00	NA	ERR	0.00	NA	ERR
120.00	120.00	0.00%	0.00	NA	ERR	0.00	NA	ERR
150.00	150.00	0.00%	0.00	NA	ERR	0.00	NA	ERR
*Accuracy +/- .5% of Range			*Accuracy +/- .5% of Range			*Accuracy +/- .5% of Range		

NIST Traceable Standard(s)

Manufacture	Serial Number	Range	Accuracy	Recall Date
Chandler Engineering	22028	100-30,000 PSI	+/- .020 % OR	04/24/2013
Ametek	15544	5-15,000 PSI	+/- .025 % OR	04/09/2013
Crystal Eng.	758790	-30 - 30 PSI	+/- .100 % OR	07/23/2009
Instrulab	3506/61578	-32 - 725 Deg F.	+/- .1% OR	09/24/2009

NIST#s 836/8366608, 836/259990, 248833, 822/254480

Calibration Date July 17, 2009

Recall Date July 17, 2010

Calibrated By:
C. Swailes

Approval By:

N. Green, QA Mgr.

*This certificate shall not be reproduced except in full, without the written approval of Tech Cal.



CERTIFICATE OF CALIBRATION

Tech Cal Recorder , S/N# : 00991

Issued To:

Pipeline Services International, LLC
Houston, Texas

This is to certify that this pressure and/or temperature recorder has been manufactured and calibrated in accordance with Technology & Calibration, Inc.'s quality assurance program, current revision. All measurements are traceable to the National Institute of Standards and Technology (NIST). Certified in accordance with ANSI/NCSL, Z540-1 and ISO 10012-1. All calibrations performed at 72 degrees F. plus or minus 4 degrees F. and less than 65% relative humidity. The collective uncertainty of the measurement standards does not exceed 25% of the acceptable tolerance for each characteristic of the measuring and test equipment being certified.

Model: IOT00 Serial Number: 00991 PO Number: Ponce

Table with 3 columns: Pen 1, Pen 2, Pen 3. Each column contains Range, Standard, Actual, Units, Deg F, NA, Error, and Accuracy +/- .5% of Range.

Table with 5 columns: Manufacture, Serial Number, Range, Accuracy, Recall Date. Lists various NIST traceable standards and their recall dates.

Calibration Date July 17, 2009 Recall Date July 17, 2010

Calibrated By: C. Swailes

Approval By: [Signature] N. Green, QA Mgr.

*This certificate shall not be reproduced except in full, without the written approval of Tech Cal.



Technology & Calibration, Inc.
 "When Quality Counts"

Tech Cal Recorder Calibration Report

Report Number: 64232

CERTIFICATE OF CALIBRATION

Tech Cal Recorder , S/N# : 00592

Issued To:

Pipeline Services International, LLC.
Houston, Texas

This is to certify that this pressure and/or temperature recorder has been manufactured and calibrated in accordance with Technology & Calibration, Inc.'s quality assurance program, current revision. All measurements are traceable to the National Institute of Standards and Technology (NIST). Certified in accordance with ANSI/NCSL, Z540-1 and ISO 10012-1. All calibrations performed at 72 degrees F. plus or minus 4 degrees F. and less than 65% relative humidity. The collective uncertainty of the measurement standards does not exceed 25% of the acceptable tolerance for each characteristic of the measuring and test equipment being certified.

Model: RENTAL Serial Number: 00592 PO Number:

Pen 1			Pen 2			Pen 3		
Range	Units	PSI	Range	Units		Range	Units	
Standard	Actual	Error	Standard	Actual	Error	Standard	Actual	Error
0.00	0.00	0.00%	0.00		0.00%	0.00		0.00%
4000.00	4000.00	0.00%	0.00		ERR	0.00		ERR
8000.00	8000.00	0.00%	0.00		ERR	0.00		ERR
12000.00	12000.00	0.00%	0.00		ERR	0.00		ERR
16000.00	16000.00	0.00%	0.00		ERR	0.00		ERR
20000.00	20000.00	0.00%	0.00		ERR	0.00		ERR
*Accuracy +/- .5% of Range			*Accuracy +/- .5% of Range			*Accuracy +/- .5% of Range		

NIST Traceable Standard(s)

Manufacture	Serial Number	Range	Accuracy	Recall Date
Chandler Engineering	22028	100-30,000 PSI	+/- .020 % OR	04/24/2013
Ametek	15544	5-15,000 PSI	+/- .025 % OR	04/09/2013
Crystal Eng.	758790	-30 - 30 PSI	+/- .100 % OR	07/23/2009
Instrulab	3506/61578	-32 - 72.5 Deg F.	+/- .1% OR	09/24/2009

NIST#'s 836/8366608, 836/259990, 248833, 822/254480

Calibration Date July 16, 2009 **Recall Date** July 16, 2010

Rental Unit.

Calibrated By:
C.Swailes

Approval By:

N. Green, QA Mgr.

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