



05-29-08A11:20 RCVD

BEAR PAW ENERGY, LLC

A SUBSIDIARY OF ONEOK PARTNERS, L.P.

May 27, 2008

SENT TO COMPLIANCE REGISTRY
Hardcopy ☐ Electronically ☒
of Copies 1 / Date 5/29/08

VIA FEDERAL EXPRESS

Mr. Chris Hoidal
Director, Western Region
Pipeline and Hazardous Materials Safety Administration
U.S. Department of Transportation
12300 W. Dakota Ave., Suite 110
Lakewood, CO 80228

Re: CPF 5-2007-5043

Dear Mr. Hoidal:

Pursuant to the Notice of Probable Violation and Proposed Compliance Order CPF 5-2007-5043 dated 12/11/07; my letter on behalf of Bear Paw Energy, LLC ("BPE") dated 1/11/08; and your letter dated 1/16/08 advising that BPE had been granted an extension until 5/31/08 to respond to the Notice of Probable Violation and Proposed Compliance Order, BPE hereby submits for your information and review the enclosed Hydrostatic Pressure Test Packet (the "Test Packet").

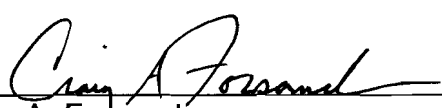
The records contained in this Test Packet document the test performed 4/29/08 on the 11.3-mile segment of 4" pipeline commonly known as the "Riverview Pipeline." The test, which was observed by Mr. Davis of your Helena, Montana office, was completed in a timely manner and without incident. We believe that the documentation contained in the Test Packet satisfies the requirements of 49 C.F.R. §195.310.

Please don't hesitate to contact me at (918) 588-7414 if you have any questions regarding the foregoing or wish to discuss this matter further.

Sincerely,

BEAR PAW ENERGY, LLC

By: _____


Craig A. Forsander
Vice President

Natural Gas Gathering & Processing Operations

HYDROSTATIC PRESSURE TEST PACKET

RIVERVIEW PIPELINE

BEAR PAW ENERGY, LLC

APRIL 29, 2008

GENERAL PROCESS & SCOPE

This form is used when conducting a review of hydrostatic pressure test records to confirm or establish the MOP.

IMPORTANT: This form is NOT used if the hydrostatic test medium was a medium other than water.

Contact the Technical Team responsible for this Technical Guideline to develop specific review process for a hydrostatic test that used a medium other than water.

DESCRIPTION OF TEST SECTIONDivision Medford

Beginning Point of Test Section				End Point of Test Section					
System	Chaining station start			System	Chaining station end				
<u>Riverview 4"</u>	<u>593 + 08</u>			<u>Riverview 4"</u>	<u>0 + 00</u>				
Index Name	Index #			Index Name	Index #				
<u>N/A</u>	<u>N/A</u>			<u>N/A</u>	<u>N/A</u>				
Station Name	Station #			Station Name	Station #				
<u>Riverview Loading Terminal</u>				<u>Grassland Gas Plant</u>					
GPS	Latitude	Longitude		Latitude	Longitude				
<u>DD-000.000000</u>	<u>47.67318</u>	<u>104.17555</u>		<u>47.59159</u>	<u>104.00043</u>				
State	County / Parish	Mile Post		State	County / Parish	Mile Post			
<u>MT</u>	<u>Richland MT</u>	<u>11</u>		<u>MT</u>	<u>McKenzie WD</u>	<u>1</u>			
Section	Township	Range	Survey	Abstract	Section	Township	Range	Survey	Abstract
<u>17</u>	<u>22N</u>	<u>59E</u>	<u>—</u>		<u>36</u>	<u>148N</u>	<u>105W</u>	<u>—</u>	

TEST EQUIPMENT LOCATION (Test Point)

Name (if available) Chaining station or Mile Post (optional) Elevation (feet)

Riverview Loading Terminal 593 + 08 1939

HIGHEST ELEVATION OF TEST SECTION

Chaining station or Mile Post (optional) Elevation (feet)

308 + 30 2347

PRESSURE TEST SUMMARY

Hydrostatic Test No. Date of Pressure Test

10480 9309 001H 04/29/2008

Test Duration ☐ 24 Hour (125%) ☒ 8 Hour (125%) ☐ 4 Hour (125%) + 4 Hour (110%) ☐ 4 Hour (125%) [above ground only]

For all tests, during the 125% portion of the test:

Minimum test pressure at test point (psi): 2065

Minimum test pressure at highest elevation (psi): 1888

80% of minimum pressure at highest elevation (psi): 1510

If 4 Hour + 4 Hour test, during the 110% portion of the test:

Minimum test pressure at test point (psi):

Minimum test pressure at highest elevation (psi):

90.9% of minimum pressure at highest elevation (psi):

The pressure established by the test is 1510

Pressure Chart Deviation

Noticeable pressure deviation on chart? ☐ Yes ☒ No ☐ N/A (if chart not available)

If Yes, explain deviation and attach related documentation

Indicate the lowest internal design pressure of pipe, elbows, and tees as determined by the following formula: $P = \frac{(2 \times S \times t \times E \times F \times L \times T)}{D}$

S = SMYS = Specified Minimum Yield Strength in psi	<u>42000</u>
t = Wall thickness in inches	<u>0.188</u>
D = Outside diameter in inches	<u>4.5</u>
E = Seam joint factor	<u>1</u>
F = Design factor	<u>0.72</u>
L = Location factor (Canadian design code only)	<u>1</u>
T = Temperature Derating factor	<u>1</u>
P = Calculated Internal Design Pressure (psi)	<u>2527</u>

MANUFACTURED COMPONENTS

Indicate the manufacturer's pressure rating of the lowest-rated manufactured component (psi).

1440

NOTE: Due diligence to answer this question might include: the review of alignment sheets, drawings, construction specifications, purchasing records, project notes, etc.; documented discussions with individuals with personal knowledge; and/or a survey of manufactured/rated components.

MOP ESTABLISHMENT

Calculated pressure established by test (psi)

1510

Lowest calculated internal design pressure (psi)

2527

Lowest manufactured component pressure rating (psi)

1440

The established MOP of the section is:

1440

ATTACHMENT REQUIREMENTS

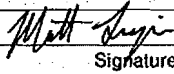
Attach the following supporting documents:

- Hydrostatic test report, including attachments
- List of sources/rationale used to identify lowest manufactured component rating.
- Map or sketch of tested facility.

Display attachments

DIVISION EVALUATION COMPLETED BY

Engineer



Signature

First name

Last name

Date

Matt Turpin

Matt

Turpin

5/15/2008

MOP Coordinator

Tom Faris, Tom.Faris@oneok.com

First name

Last name

Date

Tom

Faris

05/15/2008

Attention MOP Coordinator:

Please list the team members this form should be routed to in your initial email.

ISSUES TO BE RESOLVED
☐ None

1.		Estimated Completion Date
2.		Estimated Completion Date
3.		Estimated Completion Date
4.		Estimated Completion Date

TECHNICAL TEAM EVALUATION COMPLETED BY

Signature	First name	Last name	Date
Signature	First name	Last name	Date

ROUTING

Attention Document Coordinator:

The following department(s)/role(s) should be sent a copy of this form:
MOP Coordinator

**LIQUID PIPELINE
HYDROSTATIC TEST
REPORT**Hydrostatic Test No. 10480 9309 001HTest Date: 4/29/2008MOP of tested facility is: **1440** PSIG

Company:	Bear Paw Energy	System Name:	Riverview Pipeline
Project:	Riverview Pipeline MOP Re-Establishment	Cost Center:	9309
Section:	11.2 miles of 4" pipeline / Index # 10480		
Location:	From Grasslands Plant to Riverview Loading Terminal		8 hour below grade site test
From: Station or Milepost	0+00	To: Station or Milepost	593+08

Bear Paw Energy

In this worksheet, cells containing formulas are protected against input.
Cells with BLUE text labels allow or require input.

<i>General Information</i>	• Complete the attached forms for all ONEOK installed pipelines or pipeline segments or those re-qualified for service. • Fill in all applicable information. If information is not applicable, write NA in the corresponding space on the form.
<i>Pipe Data</i>	• Record the details for each pipe section tested, including lengths, line fill, pipe fittings, etc. • Add together pipe section lengths and line fill for a total pipe section length and line fill.
<i>Test Water Data</i>	• Enter the water source (i.e., from municipal supply, well, river, lake, pond). • Enter the test water temperature during filling (this is mandatory). • List the test water disposal method and location.
<i>Pressure Calculations</i>	• If pipeline elevation from high to low points exceeds 100 feet, complete pressure calculations before or during determination of the test section location.
<i>Test Log</i>	• Fill out the Test Log at the time of the test. This is the actual log used for the test. • From the start of filling the test section, record pressure readings from the calibrated test gauge or deadweight tester used in the test. • Record the line temperature from a sensor attached to or placed in the pipeline. • When taken, record the ground temperature from a sensor in the pipeline ditch, but not attached to the pipe. • In the Remarks column, enter start of test, end of test, and any remarks concerning unusual events, such as liquid added or withdrawn, weather conditions, etc.
<i>Notes</i>	• Enter all pertinent comments about the test, including such things as weather conditions, radical weather changes, equipment malfunctions, or any other noteworthy event that may affect testing.
<i>Profile</i>	• Draw a profile for any test section where the elevation varies more than 100 feet. As a minimum, the following items must be shown: - Elevations of the test point - High and low points - Stationing or mileposts - Location of test equipment - Horizontal and vertical scale of the drawing • Take profile elevations from survey information or U.S. Geological Service 7 1/2 minute topographical maps.
<i>Failure Log</i>	• Record any event that causes the line to be taken "off test." • Enter the date, time, and pressure at the time of failure. • List the apparent cause of the failure if the actual cause cannot be determined. Pipe seam failure or leaking flange, for example, could be entered as the cause of test failure. • Describe the repair method (i.e., changed-out pipe or tightened flange).
<i>Supplementary Documentation</i>	• List any supplementary documentation attached as part of this test record (i.e., test charts and/or equipment certifications). • Write a corresponding Exhibit # on the attached supplementary documentation.
<i>Certification</i>	• Signatures of the Company and Contractor representatives in charge of the test are MANDATORY.

PRESSURE CALCULATIONS

PAGE 3 OF 9

Location of Test Point	Elevation of Test Point	High Point	Low Point
Riverview Loading Terminal	1,939 Ft. (Elevation)	2,347 Ft. (Elevation)	1,870 Ft. (Elevation)
	593+08 Ft. (Station)	308+30 Ft. (Station)	518+25 Ft. (Station)
		High Point Location Name	Yellowstone River Bottom Location Name
		Start Point	End Point
		1,990 Ft. (Elevation)	1,939 Ft. (Elevation)
		0+00 Ft. (Station)	593+08 Ft. (Station)
		Grasslands Plant Location Name	Riverview Loading Terminal Location Name

TEST LOG

DATE	TIME	DEADWEIGHT PRESSURE	AMBIENT TEMP	BELOW GROUND	ABOVE GROUND	REMARKS
				PIPE TEMP	PIPE TEMP	
04/29/08	8:09 AM	2,065 psig	46.0 °	43.0 °	50.0 °	Bringing up pressure on pipe, slightly overcast
04/29/08	8:15 AM	2,065 psig	47.0 °	43.0 °	50.0 °	Wind Still
04/29/08	8:30 AM	2,066 psig	49.0 °	43.0 °	50.0 °	Covered temperature recorder out in the pasture with tarp to protect from the sun
04/29/08	8:45 AM	2,066 psig	53.0 °	43.0 °	51.5 °	
04/29/08	9:00 AM	2,067 psig	53.0 °	43.0 °	51.5 °	
04/29/08	9:15 AM	2,067 psig	57.0 °	43.0 °	51.5 °	
04/29/08	9:30 AM	2,067 psig	59.0 °	43.0 °	50.0 °	
04/29/08	9:45 AM	2,067 psig	61.0 °	43.0 °	52.0 °	
04/29/08	10:00 AM	2,067 psig	63.0 °	43.0 °	53.5 °	Clouds clearing out, sun is coming out
04/29/08	10:15 AM	2,067 psig	65.0 °	43.0 °	53.5 °	Full Sun Shine no Cloud cover
04/29/08	10:30 AM	2,067 psig	67.0 °	43.0 °	55.0 °	
04/29/08	10:45 AM	2,067 psig	69.0 °	43.0 °	56.5 °	
04/29/08	11:00 AM	2,067 psig	69.0 °	44.0 °	57.0 °	
04/29/08	11:15 AM	2,067 psig	70.0 °	44.0 °	57.0 °	
04/29/08	11:30 AM	2,067 psig	71.0 °	44.0 °	58.5 °	
04/29/08	11:45 AM	2,067 psig	74.0 °	44.0 °	58.0 °	Slight Breeze, Full Sun, Clear Skies
04/29/08	12:00 AM	2,067 psig	75.0 °	44.0 °	59.5 °	
04/29/08	12:15 AM	2,067 psig	76.0 °	44.0 °	58.0 °	Temperature recorder was compltly covered
04/29/08	12:30 AM	2,067 psig	77.0 °	44.0 °	57.0 °	
04/29/08	12:45 AM	2,067 psig	77.0 °	44.0 °	58.0 °	
04/29/08	1:00 PM	2,067 psig	78.0 °	44.0 °	59.5 °	Rich Chaska checked all the above ground piping at test site for leaks
04/29/08	1:15 PM	2,066 psig	78.0 °	44.0 °	59.5 °	
04/29/08	1:30 PM	2,066 psig	80.0 °	44.0 °	58.0 °	
04/29/08	1:45 PM	2,066 psig	79.0 °	44.0 °	58.5 °	
04/29/08	2:00 PM	2,066 psig	80.0 °	44.0 °	58.5 °	Moved tarp on receiver to protect pipe from the sun
04/29/08	2:15 PM	2,066 psig	79.0 °	44.0 °	60.0 °	
04/29/08	2:30 PM	2,066 psig	79.0 °	44.0 °	61.0 °	
04/29/08	2:45 PM	2,066 psig	80.0 °	44.0 °	62.5 °	
04/29/08	3:00 PM	2,066 psig	80.0 °	44.0 °	62.5 °	
04/29/08	3:15 PM	2,066 psig	80.0 °	44.0 °	63.5 °	
04/29/08	3:30 PM	2,066 psig	80.0 °	44.0 °	63.0 °	3:36 pm digital read 2068 and dead weight read 2067
04/29/08	3:45 PM	2,067 psig	80.0 °	44.0 °	62.0 °	3:41 pm wind picking up
04/29/08	4:00 PM	2,067 psig	81.0 °	44.0 °	63.0 °	
04/29/08	4:15 PM	2,067 psig	81.0 °	44.0 °	63.0 °	
04/29/08	4:30 PM	2,067 psig	81.0 °	44.0 °	63.0 °	End of Test!!! AS PER TOM FARIS
	4:35 PM					Started dewatering the pipeline
	10:20 PM					Pipeline fully dewatered

TEST LOG (CONTINUED)

PAGE 4 OF 9

[illegible]

TEST EQUIPMENT

PAGE 5 OF 9

PRESSURE RECORDER 1:

Mfg. TRANSCAT
 Model 23300P-5000
 Serial No. 9505125
 Range 0 - 5000 psi

Notes: _____

DEADWEIGHT TESTER OR CALIBRATED TEST GAUGE:

Mfg. Chandler Engineering
 Model 2-1
 Serial No. 17637
 Date of last Calibration 12/26/07
 Calibrated by Cal Tech
 Range 0 - 3000 psi
 Notes: _____

PRESSURE RECORDER 2:

Mfg. Barton
 Model Barton ITT
 Serial No. 202E-357502
 Range 0 - 3000 psi

Notes: _____

TEMPERATURE RECORDER:

Mfg. Barton
 Model Barton ITT
 Serial No. 202E-357502
 Range 0 - 150 F

Notes: _____

CALIBRATION OF TEMPERATURE RECORDER

Temperature recorder reading	Test thermometer temperature reading	Remarks

CALIBRATION OF PRESSURE RECORDER 1

Digital Pressure recorder reading	Deadweight pressure reading	Remarks
1002.0	1,998.0	
1502.0	1,502.0	
1998.0	1,002.0	

CALIBRATION OF PRESSURE RECORDER 2

Digital Pressure recorder reading	Chart recorder pressure reading	Remarks
1002.0	1,050.0	
1502.0	1,560.0	
1998.0	2,043.0	

NOTES

Water Source: City of Sidney, MT Municipal Water

Water Disposal: Grasslands Plant Roads and Laydown Yard

Water Temperature: 48F in Frac Tanks

1. Test Information:

Test Point Location	Riverview Loading Terminal	Test Duration	8 hr
Test Medium	Water	Target MOP	1440 psig
Specific Gravity of Test Medium	1.00		
Min. Test Press. at test site 125% of min. MOP + elv.	1,977 psig		
Maximum Allowable % of SMYS =	100%		

2. Pipe Specifications:

Manufacture Type _____	Grade X42	Pipe (#1) O.D.	4.5 inch	MOP	2,527 psig
		SMYS	42,000	Seam Joint Factor	1.00
		Wall thickness	0.188	Design Factor (F)	0.72
		Length (ft.):	59,308 ft.	Volume	980 Bbls
				Max allowable test pressure, psig	3,509 psig

3. Pipe Specifications:

Manufacture Type _____	Grade _____	Pipe (#2) O.D.	_____	MOP	_____
		SMYS	_____	Seam Joint Factor	_____
		Wall thickness	_____	Design Factor (F)	_____
		Length (ft.):	_____	Volume	_____
				Max allowable test pressure, psig	_____

4. Pipe Specifications:

Manufacture Type _____	Grade _____	Pipe (#3) O.D.	_____	MOP	_____
		SMYS	_____	Seam Joint Factor	_____
		Wall thickness	_____	Design Factor (F)	_____
		Length (ft.):	_____	Volume	_____
				Max allowable test pressure, psig	_____

5. Pipe Specifications:

Manufacture Type _____	Grade _____	Pipe (#4) O.D.	_____	MOP	_____
		SMYS	_____	Seam Joint Factor	_____
		Wall thickness	_____	Design Factor (F)	_____
		Length (ft.):	_____	Volume	_____
				Max allowable test pressure, psig	_____

6. Pipe Specifications:

Manufacture Type _____	Grade _____	Pipe (#5) O.D.	_____	MOP	_____
		SMYS	_____	Seam Joint Factor	_____
		Wall thickness	_____	Design Factor (F)	_____
		Length (ft.):	_____	Volume	_____
				Max allowable test pressure, psig	_____

7. Pipe Specifications:

Manufacture Type _____	Grade _____	Pipe (#6) O.D.	_____	MOP	_____
		SMYS	_____	Seam Joint Factor	_____
		Wall thickness	_____	Design Factor (F)	_____
		Length (ft.):	_____	Volume	_____
				Max allowable test pressure, psig	_____

8. Pipe Fittings Specifications:

Manufacture Type _____	Grade _____	Pipe Fitting - Pipe O.D.	_____	MOP	_____
		SMYS	_____	Seam Joint Factor	_____
		Wall thickness	_____	Design Factor (F)	_____
				Max allowable test pressure, psig	_____

9. Pipe Fittings Specifications:

Manufacture Type _____	Grade _____	Pipe Fitting - Pipe O.D.	_____	MOP	_____
		SMYS	_____	Seam Joint Factor	_____
		Wall thickness	_____	Design Factor (F)	_____
				Max allowable test pressure, psig	_____

10. Pipe Fittings Specifications:

Manufacture Type _____	Grade _____	Pipe Fitting - Pipe O.D.	_____	MOP	_____
		SMYS	_____	Seam Joint Factor	_____
		Wall thickness	_____	Design Factor (F)	_____
				Max allowable test pressure, psig	_____

11. Manufactured:

Manufacture Type _____	Weldolet, etc. - Nominal O.D.	_____	Working Pressure	_____
	Grade	_____		
			Max allowable test pressure, psig	_____

12. Manufactured:		Pipe Flanges - Nominal O.D.	6 inch	Working Pressure	1,440 psig
Manufacture Type	304	Grade	600ANSI		
		Temperature Derating Factor (T)	1.00		
				Max allowable test pressure, psig	2,160 psig
13. Manufactured:		Pipe Flanges - Nominal O.D.	4 inch	Working Pressure	1,440 psig
Manufacture Type	304	Grade	600ANSI		
		Temperature Derating Factor (T)	1.00		
				Max allowable test pressure, psig	2,160 psig
14. Manufactured:		Block Valve - Nominal Size	4 inch	Working Pressure	1,440 psig
Manufacture Type	MLBV	Grade	600ANSI		
		Temperature Derating Factor (T)	1.00		
				Max allowable test pressure, psig	2,160 psig
15. Calculated MOPs (psi):					
Test Range at Test Site (psig)		125%	1,977 to 2,130 psig		
Note: Add 0 psi to min. test range		Test Duration	8 hr		
Maximum test pressure at test site, psig		2,130 psig			
CALCULATED TARGET MOP OF PIPELINE SECTION				1,440 PSIG	
Maximum Test Pressures are Based on 100% SMYS					

FAILURE LOG**PAGE 8 OF 9****FAILURE:**

Date: _____ Time: _____ am/pm Failure Pressure: _____

Apparent Cause: _____
_____**REPAIR:**Describe Repair Method: _____
_____**FAILURE:**

Date: _____ Time: _____ am/pm Failure Pressure: _____

Apparent Cause: _____
_____**REPAIR:**Describe Repair Method: _____
_____**FAILURE:**

Date: _____ Time: _____ am/pm Failure Pressure: _____

Apparent Cause: _____
_____**REPAIR:**Describe Repair Method: _____
_____**FAILURE:**

Date: _____ Time: _____ am/pm Failure Pressure: _____

Apparent Cause: _____
_____**REPAIR:**Describe Repair Method: _____
_____**FAILURE:**

Date: _____ Time: _____ am/pm Failure Pressure: _____

Apparent Cause: _____
_____**REPAIR:**Describe Repair Method: _____

The following are attached as a part of this test:

EXHIBIT NO. 1 Established MOP Form

EXHIBIT NO. 2 Hydrostatic Test Procedure, with MOP Coordinator and Engineer signature approval

EXHIBIT NO. 3 Field test data log, if hand written

EXHIBIT NO. 4 Sketch of Tested Piping (including how section is isolated), with material list if available

EXHIBIT NO. 5 Profile of pipeline section and/or segment

EXHIBIT NO. 6 Pressure Chart, with date, test section name, test number, Inspector & Contractor names and signatures

EXHIBIT NO. 7 Temperature Chart, with date, test section name, test number, Inspector & Contractor names and signatures

EXHIBIT NO. 8 Pressure Recorder Certification Papers

EXHIBIT NO. 9 Temperature Recorder Certification Papers

EXHIBIT NO. 10 Deadweight or Calibrated Test Gauge Certification Papers

EXHIBIT NO. 11 Material Test Reports (MTR)

PRETEST APPROVAL

MOP Coordinator

By: Tom Faris
(Please print)

Tom Faris
(Signature)

Date: 4/25/2008

CERTIFICATION

I certify this pipeline or pipeline section has been tested and successfully met the terms of ONEOK MOP Establishment and Hydrostatic Testing of Pipelines Technical Guideline and, where applicable, the contract document between ONEOK and its prime contractor.

MOP Coordinator

By: Tom Faris
(Please print)

Tom Faris
(Signature)

Date: 5-23-08

Engineer

By: Matthew Turpin
(Please print)

Matt Turpin
(Signature)

Date: 5/15/2008

Inspector

By: Von Johnson
(Please print)

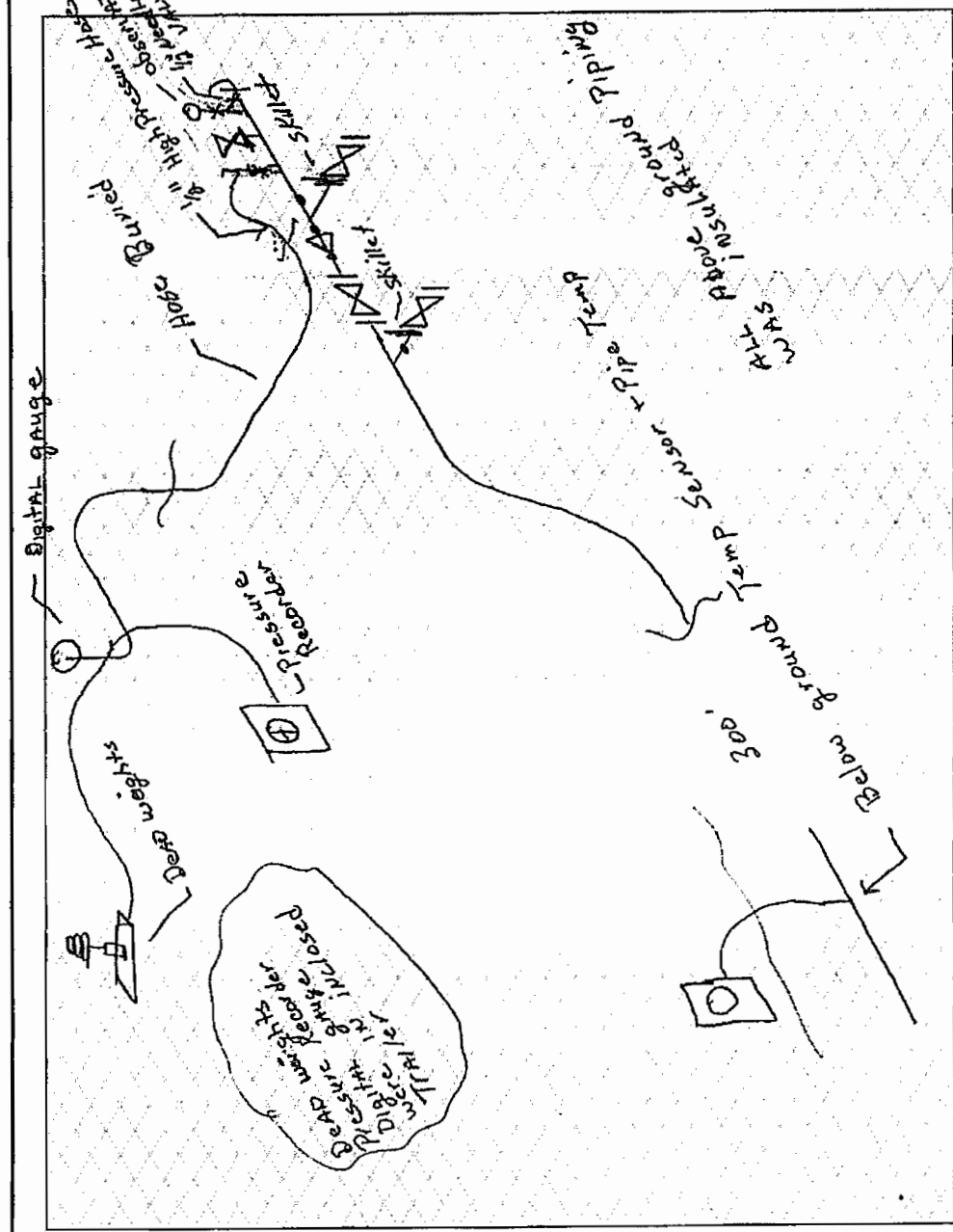
Von Johnson
(Signature)

Date: 5/15/2008Name of Testing Contractor SK&S Oilfield Services

By: Kelly Everson
(Please print)

Kelly Everson
(Signature)

Date: 5/15/2008



NOTES:	NO.		BY	CHKD	DATE	BY	DATE
						DRAWN	
						CHECKED	
						APPROVED	
						PIPING DWG#	
						MFD DWG#	

[illegible]

PROJECT Riverview 4" Hydro test
LOCATION Riverview Rail site
DRAWN BY: Von J.



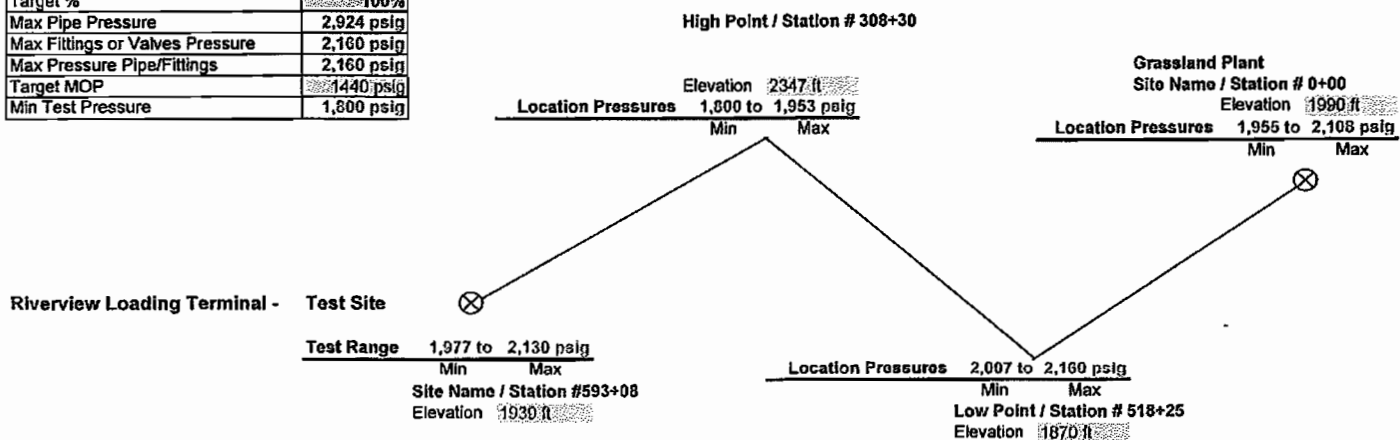
Elevation Profile and Test Pressure Ranges

Project Name: **Riverview Pipeline MOP Re-Establishment**

Test Section: **Index 10480 - from Grassland Plant to the Riverview Loading Terminal**

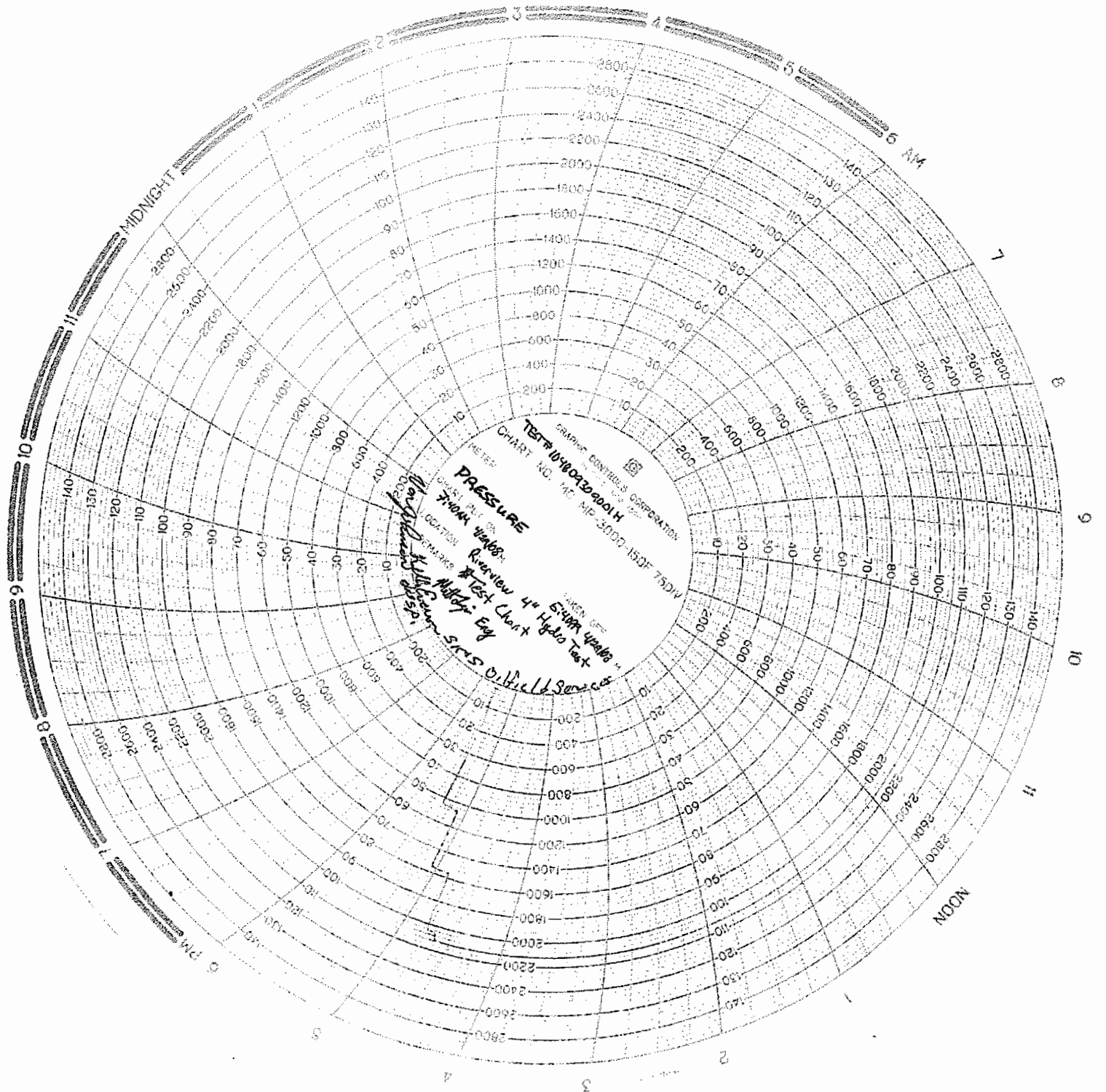
Test Number: **10480 9309 001H**

Pipe OD	48 in
Wall thickness	0.188 in
Pipe SMYS	35,000 psi
Target %	100%
Max Pipe Pressure	2,924 psig
Max Fittings or Valves Pressure	2,160 psig
Max Pressure Pipe/Fittings	2,160 psig
Target MOP	1,440 psig
Min Test Pressure	1,800 psig

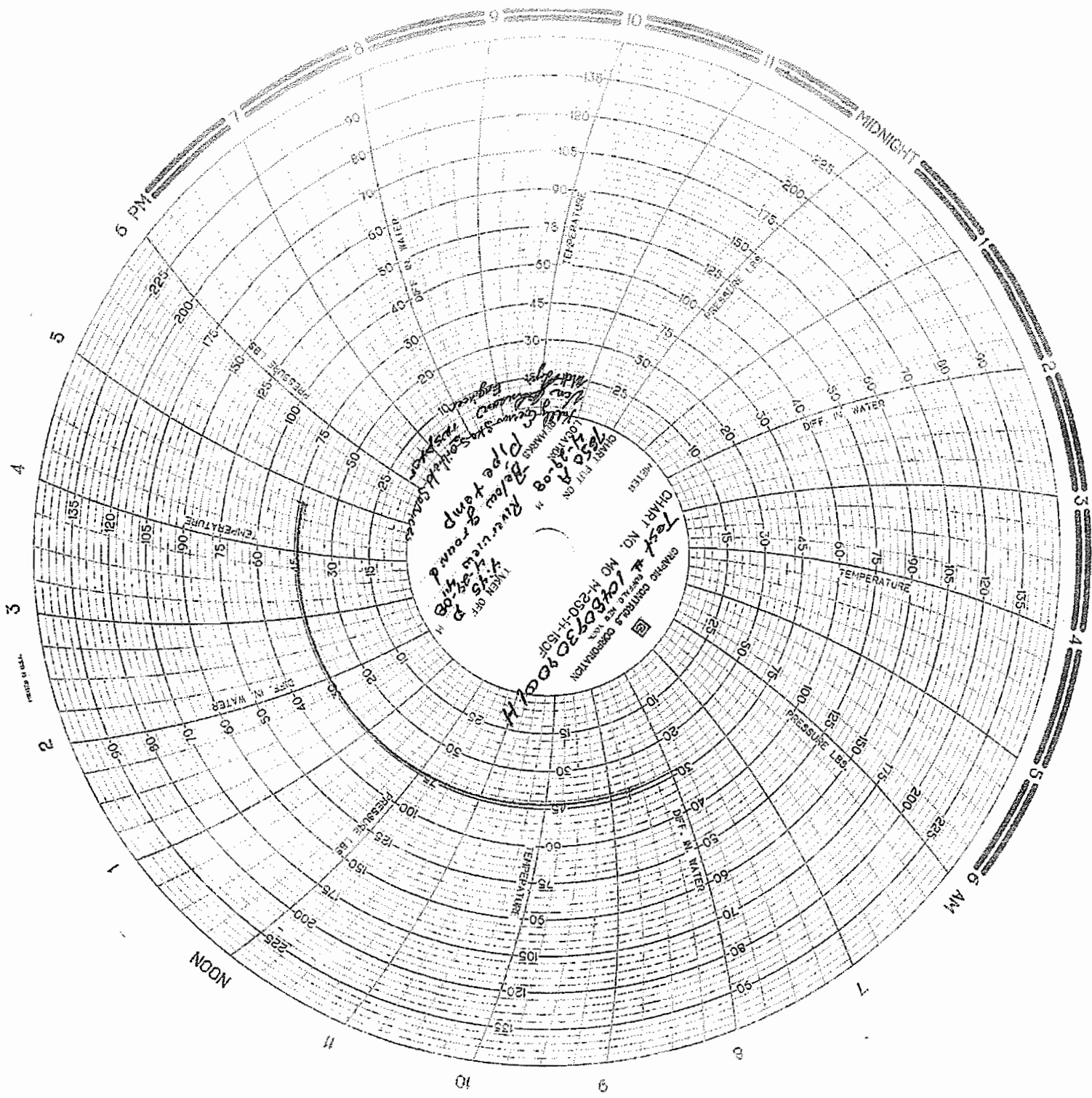


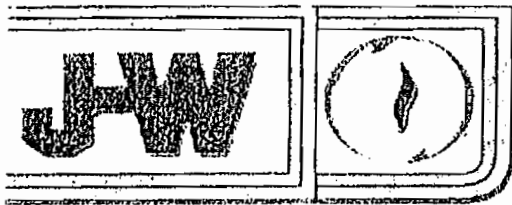
NOTE:

If test pressures are maintained within the test range at the test site the resulting pressures at the High Point, Low Point and End Locations are shown as Location Pressures.



1





J-W Measurement Company

#10 74th Street East
Williston N.D. 58801
Phone (572-0061) Fax(701-572-3084)

Certification of Calibration

Client: SK&S Oil Field Service
J-W SO#: _____
Date of Calibration: 4/4/2008

Instrument Specifications

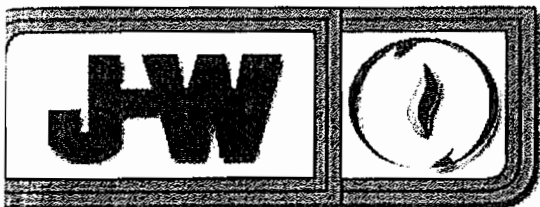
Make: Barton
Serial No.: 202E-357502
Temp. Range: 0-150

AS FOUND TEST		
Test Value	As Found	As Left
8	18	8
75	85	75
150	160	150

Certified Calibration Equipment

Temperature

Equipment:	Cooper TM99A-UL	
Range:	-40 to 300	
Serial No.:	C393051	
Accuracy:		
Remarks:	OK	
Tested By:	JR Anderson	



J-W Measurement Company

#10 74th Street East
Williston N.D. 58801
Phone (572-0061) Fax(701-572-3084)

Certification of Calibration

Client: Sk&S Oil Field
J-W SO#:
Date of Calibration: 4/27/2008

Instrument Specifications

Make: Barton
Serial No.:
Temp. Range: 0-150

AS FOUND TEST		
Test Value	As Found	As Left
5	5	5
70	70	70
150	150	150

Certified Calibration Equipment

Temperature

Equipment:	Cooper 99A-UL	
Range:	-40 to 300	
Serial No.:	C393051	
Accuracy:		
Remarks:	OK	
Tested By:	JR Anderson	



#10 74th ST. East

Williston N.D. 58801

Phone (701-572-0061) Fax (701)572-3084

Certification of Calibration

Client: SK&S Oil Field Services

J-W SO#:

Date of Calibration: 4/4/2008

Instrument Specifications

Make: Bartor

Serial No.: 202E-357502

Static Range: 0-3000

Differential Range:

Temp

Certified Calibration Equipment

Static

Equipment:	PSI-TRONIX				
Range:	0-5000				
Serial No.:	G8089				
Accuracy:	+-.25%				
Tested By:	JR Anderson				

CERTIFICATE OF CALIBRATION

Customer: NATCO
2 & 85
WILLISTON, ND 58801

Customer Nbr: 1-549709-000
PO Nbr: WL1292
Date Received: Jan 9, 2008

Cert/RA Nbr: 1-V8986-2-1
Manufacturer: Transcat
Model Nbr: 23300P-5000

Date Calibrated: Jan 14, 2008
Next Calibration: Jan 14, 2009

Description: Pressure Gauge

Calibration Proc: 1-AC09542-1

Serial Nbr: 9505125
ID Nbr: NONE

Item Received: In Tolerance
Item Returned: In Tolerance

Temperature: 69.2°F / 20.7°C

Temp/RH Asset: 2993D

Relative Humidity: 40%

Transcat Calibration Laboratories have been audited and found in compliance with ISO/IEC 17025:2005. Accredited calibrations performed within the Lab's Scope of Accreditation are indicated by the presence of the Accrediting Body's Logo and Certificate Number on this Certificate of Calibration. Any measurements on an accredited calibration not covered by that Lab's Scope are noted below.

Transcat calibrations, as applicable, are performed in compliance with the requirements of ISO 9001:2000, ISO TS16949, ANSI/NCCL Z540-1994, QS-9000 and ISO 10012-1:1992. When specified contractually, the requirements of 10CFR21, 10CFR50 App. B and NQA-1 are also covered.

Transcat will maintain and document the traceability of all its standards to the National Institute of Standards and Technology (NIST) or the National Research Council of Canada (NRC), or to other recognized national or international standard bodies (NIBs), or to measurable conditions created in our laboratory, or accepted fundamental and/or natural physical constants, ratio type of calibration, or by comparison to consensus standards. The specific path of traceability for the reported measurement results is maintained at the Transcat facility and is available there for review.

Complete records of work performed are maintained by Transcat and are available for inspection. Laboratory standards used in the performance of this calibration are shown below.

The results in this report relate only to the item calibrated or tested, and the determination of in or out of tolerance is specific to the model/serial no. referenced above based on the manufacturer's published specifications.

All calibrations have been performed using processes having a test uncertainty ratio of four or more times greater than the unit calibrated, unless otherwise noted. Uncertainties have been estimated at a 95 percent confidence level (k=2). Calibration at a ±1 TUR provides reasonable confidence that the instrument is within the manufacturer's published specifications. Limitations on the uses of this instrument are detailed in the manufacturer's operating instructions. Any number of factors can cause a unit to drift out of tolerance at any time following its calibration.

Notes:

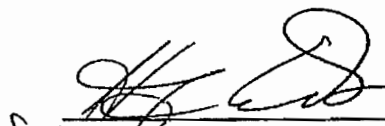
Assets	Manufacturer	Model	Description	Cal Date	Dug Date	Traceability Numbers
14452	Rice Lake Weighing Systems	Img - 100g	Weight Set	4/23/2007	4/30/2008	6-V302B-1-1
2717	Cooper Instruments	SH66A	Thermometer	5/17/2007	5/31/2008	1-&2717-4-3
2995	Pressurements Limited	W2200-3	Dead Weight Tester	8/23/2007	8/31/2008	5-V60XK-1-1
2998	Mitutoyo	500-172-20	Caliper, Digital 8"	5/14/2007	5/31/2008	1-&2998-5-8
010172	Ruska Instruments Corp	7250xi	Pressure Calibrator	10/31/2007	4/30/2008	5-V806J-1-1

Calibrated at:

35 Vantage Point Dr
Rochester, NY 14624
By: Bill Pritchard

Facility Responsible:

35 Vantage Point Dr
Rochester, NY 14624
585-352-9720


Chris Herrmann
Lab Manager
Date: 1/14/08

CALIBRATION TECHNICIANS & SUPPLY, INC.

Instrument Repair & Calibration Laboratory

Providing NIST Traceability

&

Instrumentation Supplies

**CALIBRATION CERTIFICATION**

SUBMITTED BY: NATCO

CERTIFICATE#: 39442.4921

INSTRUMENT: CHANDLER ENGINEERING DEADWEIGHT TESTER

SERIAL NO: 17637

MODEL NO: 2-1

The above instrument has been cleaned, tested and calibrated by Calibration Technicians & Supply, INC. as per manufacturers specifications and is warranted at time of delivery only, to be at a level of accuracy traceable to NIST, with exceptions noted.

Due to the inherent characteristics of this instrument it is highly recommended that it is recalibrated within (365) days to assure the accuracy and reliability of this instrument.

The unit was received in the following condition:

IN TOLERANCE () OUT OF TOLERANCE () PHYSICALLY DAMAGED (X)

The unit was returned in the following condition:

IN TOLERANCE (X) OUT OF TOLERANCE () PHYSICALLY DAMAGED ()

NOTES:

STATED GRAVITY: 980.665 CM/SEC. SQ. @ .77 DEGREES FAHRENHEIT

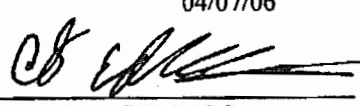
ALL "AS FOUND/AS LEFT" PRESSURE INDICATIONS ARE REFERENCED TO THIS UNIT'S STATED GRAVITY AND TEMP.

AS FOUND N/A DUE TO WORN PISTON ASSEMBLY

The following applicable calibration standards, used by Calibration Technicians & Supply, INC. provide NIST traceability. Calibration procedures used meet or exceed the requirements of MIL-STD 45662.

LAB EQUIPMENT	SERIAL #	CALIBRATED	DUE DATE	NIST TRACE #
ALTEK 311	243127	07/26/07	07/26/09	AR1374-1
ALTEK 322	10472603	07/26/07	07/26/09	AR1374-2
ALTEK 941	247436	10/11/06	10/11/08	AR1314
AMETEK AMC900115BG	8254003	05/31/07	05/31/08	090722
AMETEK C-140	011916-00022	01/09/07	01/09/08	39091.3537
ASHCROFT DEADWEIGHT	2JH-41689	10/23/06	10/23/08	39013.4973
DHI RPM4 A20Ms-L/A7Ms-L	700	09/21/07	09/21/08	56082
DHI RPM4 A2Ms/A700Ks	701	09/19/07	09/19/08	55960
DHI RPM4 G100Ks/BG15Ks	702	09/21/07	09/21/08	56103
MARTEL M2001	9485026	08/20/07	08/20/08	093259
PICOTEST M3500A	TW00003016	07/31/07	07/31/08	M3500ATW
RESISTANCE SUBSTITUTE	CT-RS-1	04/07/06	04/07/08	38097.6542

TEMP: 72 °F

BY: 

CAL DATE: 12/26/07

RH: 44 %

C.J. EDWARDS

DUE DATE: 12/26/08

6750 Feet Mean Sea Level Height

LAB NO: 534



CALIBRATION TECHNICIANS & SUPPLY, INC.

Instrument Repair & Calibration Laboratory

Providing NIST Traceability

&

Instrumentation Supplies

CALIBRATION CERTIFICATION

SUBMITTED BY: NATCO

CERTIFICATE#: 39442.4921

INSTRUMENT: CHANDLER ENGINEERING DEADWEIGHT TESTER

SERIAL NO: 17637

MODEL NO: 2-1

The above instrument has been cleaned, tested and calibrated by Calibration Technicians & Supply, INC. as per manufacturers specifications and is warranted at time of delivery only, to be at a level of accuracy traceable to NIST, with exceptions noted.

Due to the inherent characteristics of this instrument it is highly recommended that it is recalibrated within (365) days to assure the accuracy and reliability of this instrument.

The unit was received in the following condition:

IN TOLERANCE () OUT OF TOLERANCE () PHYSICALLY DAMAGED (X)

The unit was returned in the following condition:

IN TOLERANCE (X) OUT OF TOLERANCE () PHYSICALLY DAMAGED ()

NOTES:

STATED GRAVITY: 980.665 CM/SEC. SQ. @ 77 DEGREES FAHRENHEIT

ALL "AS FOUND/AS LEFT" PRESSURE INDICATIONS ARE REFERENCED TO THIS UNIT'S STATED GRAVITY AND TEMP.

AS FOUND N/A DUE TO WORN PISTON ASSEMBLY

The following applicable calibration standards, used by Calibration Technicians & Supply, INC. provide NIST traceability. Calibration procedures used meet or exceed the requirements of MIL-STD 45662.

LAB EQUIPMENT	SERIAL #	CALIBRATED	DUE DATE	NIST TRACE #
ALTEK 311	243127	07/26/07	07/26/09	AR1374-1
ALTEK 322	10472603	07/26/07	07/26/09	AR1374-2
ALTEK 941	247436	10/11/06	10/11/08	AR1314
AMETEK AMC900115BG	8254003	05/31/07	05/31/08	090722
AMETEK C-140	011916-00022	01/09/07	01/09/08	39091.3537
ASHCROFT DEADWEIGHT	2JH-41689	10/23/06	10/23/08	39013.4973
DHI RPM4 A20Ms-L/A7Ms-L	700	09/21/07	09/21/08	56082
DHI RPM4 A2Ms/A700Ks	701	09/19/07	09/19/08	55960
DHI RPM4 G100Ks/BG15Ks	702	09/21/07	09/21/08	56103
MARTEL M2001	9485026	08/20/07	08/20/08	093259
PICOTEST M3500A	TW00003016	07/31/07	07/31/08	M3500ATW
RESISTANCE SUBSTITUTE	CT-RS-1	04/07/06	04/07/08	38097.6542

TEMP: 72 °F

BY:

C.J. EDWARDS

CAL DATE: 12/26/07

DUE DATE: 12/26/08

6750 Feet Mean Sea Level Height

LAB NO: 534



CLIENT: NATCO

JOB NO: 534

DATE CALIBRATION

PERFORMED: 12/26/07

DATE DUE: 12/26/08

MANUFACTURER: CHANDLER ENGINEERING

MANUFACTURERS TOLERANCE: .1 %

CALIBRATION DATA:

METHOD: AS PER MANUFACTURERS SPECIFICATION.

The following calibration standards provide NIST traceability.

CALIBRATION DATA

DEADWEIGHT TESTER

CALIBRATION TECHNICIANS & SUPPLY, INC.

MODEL: 2-1

SERIAL NO: 17637

TEST EQUIPMENT: UPS 3000 ABA S/N: A2364

CAL DATE: 11/14/05

TEST EQUIPMENT: S/N:

CAL DATE:

TEST EQUIPMENT: S/N:

CAL DATE:

CALIBRATION:

WEIGHT NUMBER	WEIGHT	ACTUAL AS FOUND	ACTUAL AS LEFT
PISTON	50 PSI	N/A	50.000 PSI
A	500 PSI	N/A	499.972 PSI
B	500 PSI	N/A	499.976 PSI
C	500 PSI	N/A	500.037 PSI
D	500 PSI	N/A	500.010 PSI
E	500 PSI	N/A	500.042 PSI
F	100 PSI	N/A	99.929 PSI
G	100 PSI	N/A	100.001 PSI
H	100 PSI	N/A	99.964 PSI
I	100 PSI	N/A	100.004 PSI
J	50 PSI	N/A	49.998 PSI
K	10 PSI	N/A	10.001 PSI
L	10 PSI	N/A	10.001 PSI
M	10 PSI	N/A	10.000 PSI
N	10 PSI	N/A	10.001 PSI
O	5 PSI	N/A	5.000 PSI
P	1 PSI	N/A	1.000 PSI

"AS FOUND" N/A DUE TO WORN PISTON

COMMENTS: STATED GRAVITY: 980.665 CM/SEC. SQ. @ 77 DEGREES FAHRENHEIT

ALL "AS FOUND/AS LEFT PRESSURE INDICATIONS ARE REFERENCED TO THIS UNIT'S STATED GRAVITY AND TEMP.

TEMP: 72 °F RH: 44 % CTSI CAL BY:

DATE: 12/26/07

C.J. EDWARDS

Re: Letter to File
Riverview 4 inch
Pipe Yield Strength and Wall Thickness Determination
Rich Chaska – May 20, 2008

Summary:

This "letter to file" describes the process used to establish and document the pipe design (yield strength and wall thickness) for the subject line, prior to the completion of a Part 195 - Subpart E hydrostatic pressure test and to re-establish the segment's MOP.

Background:

During a PHMSA record inspection (4/25-27/2006, 6/13/2007 and 7/18/2007), it was determined that the original hydrostatic pressure test documentation was incomplete. The records on file showed that a successful pressure test had been completed to pressures that supported the documented MOP of this line. However, dead weight charts and calibration documentation were missing.

ONEOK agreed to re-test the line in accordance with Part 195 – Subpart E to establish documentation and to re-establish the segment MOP based on that test.

Original MTRs were unavailable. The following, is information reviewed with PHMSA, Western Region, and used to establish target pressures for the hydrostatic pressure test, and to document pipe design for this segment.

Yield Strength

- The pipe was believed to be X42 (SMYS 42,000).
- This yield strength was in line with the established MOP and original hydrostatic test records.
- A segment of the pipeline was cut out and evaluated by Kiefner and Associates, Inc. (Report 0462-0802), and met the minimum requirements for X46 pipe (SMYS 46,000) (API 5L).
- A review of ONEOK Partners – NGL Pipeline records for 85 - 4inch pipeline segments showed that 90% (77) of those segments were X42 or higher grade, 6% (5) were grade B, and 3 segments were unknown.

Wall Thickness

- The pipe wall thickness was believed to be 0.188 inch.
- The following test locations confirmed 0.188 inch wall thickness
 - 2001 C-Scan 500 feet downstream of #1 Block Valve
 - 2003 10 foot cut out evaluated by Kiefner & Associates, Inc. (Report 0462-0802)
 - 2005 Ultrasonic Thickness readings performed and 5 locations following an in line inspection (July 2005)

- 2006 Ultrasonic Thickness readings performed at 2 locations
- The 2005 in line inspection report showed on two variations in wall thickness. One location was at an “exposed by design” segment over an irrigation canal (ultrasonic thickness measurements proved 0.356 inch wall thickness). The second segment was a bore under the Yellowstone River and is currently inaccessible.

Note: The standard resolution in line inspection tool run in 2005 did not have the capability to accurately determine the wall thickness, but can show wall thickness changes and whether those changes are increases or decreases (GE Energy Pipeline Solutions report dated April 18, 2008).

NOTE: Each test location included a minimum of 4 locations at each segment. The average of all inspections resulted in a wall thickness of 0.187.