TEST SPECIFICATIONS

Saddle Butte Rockies Midstream, LLC - Hydrostatic Pressure Test

Rangeview D - Phase 1

Date:	Select Routing:
6-Nov-2017	

Test Number: 1 of 1

Project Name:	Project I.D. / AFE Number	Facility Name or Number
Rangeview D	17C006A	Rangeview D - Phase 1

Installation Location (M.P. or S.S.):			State:	County/Parish:	Class Location Designation		Selected Design Pressure		Planned MAOP	
0+00	to	181+56.4	CO	Weld		N/A		1480		1400

Project Description:

Hydrostatic pressure test of the 8" lateral pipeline. * included piping to Brown lact unit

Testing at 1.25*MAOP = 1850 psig minimum test pressure. **2100 psig Target Test Pressure at Chart Location**

Max Test Pressure for ANSI 600 Valves and Fittings is 2660 psig where they are located.

Test shall be compliant with all test specifications in Exhibit D "Pipeline Construction Specifications" and all other Construction Documents.

LEAK ONLY TEST ☐ STRENGTH TEST ☑ FABRICATION ☐ NEW CONSTRUCTION ☑ REPLACEMENT ☐ RETEST ☐ REFERENCE DRAWINGS ATTACHED ☐

POST-INSTALLATION TEST ☑ PRE-INSTALLATION TEST ☐

Test Design Criteria

Minimum Component Characteristics

Pipe Information

O.D.	8.625
Wall Thickness	0.219
SMYS	52,000

Valve/Flange ANSI Class Rating

600# Valves/Fittings

Test Pressure Calculations

☐ Input minimum and maximum pressure of test
☐ Input minimum and maximum %SMYS of test

	Pressure (psig)	% PIPE SMYS
Max. Test Pressure (Pipe)	2350	89.0%
Max. Test Pressure (Valves and Fittings)	2660	100.7%
Min.	1850	70.1%

Test Section - Reference Data

Test Medium	Water	
Test Duration	8	Hours (min)
Section Length	18,157	Ft.
Section Fill Volume	55,105	Gal
Max. Elevation Change	63	Ft.

Station Equations:	1	2	3
Back	0+00	0+00	0+00
Ahead	0+00	0+00	0+00

Test Pressures

Location	Station	Elevation (feet)	Max. psig.	% SMYS @ Max.	Min. psig.	% SMYS @ Min.	Variance psig.	Target psig.	% SMYS @Target
BEGIN -	0+00	4683	2,323	88.0%	1,850	70.1%	473	2,086	79.0%
HIGH ELEVATION	0+00	4683	2,323	88.0%	1,850	70.1%	473	2,086	79.0%
LOW ELEVATION	47+85	4620	2,350	89.0%	1,877	71.1%	473	2,113	80.0%
END	181+56.4	4650	2,337	88.5%	1,864	70.6%	473	2,100	79.5%
Chart Location (Test Point)	**181+56.4**	**4650**	**2,337**	**88.5%**	**1,864**	**70.6%**	**473**	**2,100**	**79.5%**

REMARKS:

ASME B16.5 2.6 System Hydrostatic Testing 2003:
Flanged joints and flanged fittings may be subjected to system hydrostatic tests at a pressure of 1.5 times the 38°C (100°F) rating rounded off to the next higher 1 bar (25 psi) increment. Testing at any higher pressure is the responsibility of the user, taking into account the requirements of the applicable code or regulation.

Test shall be compliant with all test specifications in Exhibit D "Pipeline Construction Specifications" and all other Construction Documents.

PRE-TEST SPECIFIED / REVIEWED BY:		TEST PERFORMED / ACCEPTED BY:		POST-TEST REVIEWED BY:	
Originator (Signature)	Date:	Test Performed by (Signature): Dewayne Keys	Date: 11-20-17	Compliance (signature)	Date:
Designed Reviewed if applicable (Signature)	Date:	Company Name (for Contractor or for Employee): North Winds of Wyoming	Date: 11-20-17	Engineering or Operations (Signature)	Date:
Compliance (Signature)	Date:	Witnessed & Accepted by Company Representative: (Signature) Charles Walls	Date: 11-20-17	Actual MAOP	

LIQUID PIPELINE PRESSURE TEST REPORT

Pressure Test Number 1 11-20-2017

MOP of tested facility is 1440 PSIG

Company: Saddle Butte
Operations Area:
Project: Rangeview D Phase 1
AFE: 176006A
Pipeline:
Section:

Station or Milepost From: 0+00 To: 181+56

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

General Information	· Complete this Report and attached necessary exhibits for all SBP 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 Report.
Pipe Data	· 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.
Test Water Data	· Enter water source information (i.e., from municipal supply, well, river, lake, pond) in the Test Log or notes section of the Report. · Source water temperature compared to ground temperature can assist with understanding the time for the water to stabilize.
Pressure Calculations	· Elevation of high and low points and the elevation of the test pressure measure sites is required for calculation of the target test pressures.
Test Log	· Fill out the Test Log at the time of the test. This is the actual log of 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 test pressure and temperatures at intervals of 30 minutes to an hour and as necessary to represent the test pressure during the test period. · The below ground pipe temperature sensor should be placed away from exposed pipe and far enough from the water injection point so that water injected will not affect the readings. · 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.
Notes	· 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.
Profile	· An elevation profile is required for any test section where the elevation varies more than 100 feet. The following items should be noted on the profile: - Location and elevation where test pressure measurements are taken - High and low points - Stationing or mileposts - Horizontal and vertical scale of the drawing · Elevation data is available in electronic format from the KPL mapping system. · If electronic elevation data is not available, take profile elevations from survey information or from U.S. Geological Service 7 1/2 minute topographical maps.
Failure Log	· Record each failure 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).
Supplementary Documentation	· Check each supplementary documentation attached as part of this test record (i.e., test charts and/or equipment certifications). · Write the corresponding Exhibit Number on the attached supplementary documentation.
Certification	· Signatures of the Company and Contractor representatives in charge of the test are MANDATORY.

Range View

PRESSURE CALCULATIONS

Location of Test Point	Elevation of Test Point	High Point	Low Point
Latham Ditch	4650 Ft. (Elevation) 181+56 Ft. (Station)	4683 Ft. (Elevation) 0+00 Ft. (Station) Location Name	4620 Ft. (Elevation) 47+85 Ft. (Station) Location Name

Target MOP: 1400	Test Duration: 8 hr	Start Point	End Point
Target Test Pressure Range 1st Min: Maximum: 2nd Min:	High Point Low Point	4683 Ft. (Elevation) 0+00 Ft. (Station) Location Name	4650 Ft. (Elevation) 181+56 Ft. (Station) Location Name

TEST LOG

DATE	TIME	PRESSURE	AMBIENT TEMP	BELOW GROUND TEMP	ABOVE GROUND TEMP	REMARKS
11-26-17	6:15A	0	28	34	35	
	6:30	0	28	36	38	Build to 500
	6:30	517	28	36	36	
	6:45	517	28	36	39	Build to 1000
	7:00	1000	28	36	40	
	7:15	1000	28	36	41	Build to 1500
	7:30	1500	29	36	42	
	7:40	1500	29	36	43	Build to 2000
	7:52	2000	30	36	43	
	8:07	2000	30	36	43	Build to 2100+
	8:11	2119	31	36	44	
	8:15	2119	31	36	44	
	8:30	2119	31	36	46	
	8:45	2119	32	36	48	
*	9:00	2118	34	36	49	*BEGIN TEST*
	9:15	2118	35	36	51	
	9:30	2118	36	36	52	Mostly cloudy
	9:45	2118	38	36	54	
	10:00	2118	40	36	56	
	10:15	2118	42	36	57	Check for leaks, check
	10:30	2118	44	36	58	1" Valves
	10:45	2118	45	36	60	
	11:00	2119	46	36	61	
	11:15	2119	46	36	63	
	11:30	2119	49	36	64	
	11:45	2118	53	36	65	
	12:00	2119	57	36	66	Mostly Sunny
	12:15	2119	61	36	66	
	12:30	2119	62	36	67	
	12:45	2119	64	37	67	
	1:00	2119	65	37	67	
	1:15	2119	66	37	67	
	1:30	2119	66	37	67	Check for leaks, and check
	1:45	2119	66	37	67	1" Valves
	2:00	2119	66	37	66	
	2:15	2120	66	37	66	Mostly Sunny
	2:30	2120	66	37	66	
	2:45	2120	66	37	66	
	3:00	2120	66	37	66	Sunny

Rangeview

CARBON BUTTE PIPELINE, LLC

TEST LOG (CONTINUED)

DATE	TIME	PRESSURE	AMBIENT TEMP	BELOW GROUND TEMP	ABOVE GROUND TEMP	REMARKS
11-20-17	3:15 P	2120	65	37	66	
	3:30	2121	65	37	66	
	3:45	2121	65	37	66	Check for leaks, check 1" Valves
	4:00	2122	65	37	66	
	4:15	2122	65	37	66	
	4:30	2122	64	37	66	
	4:45	2122	62	37	66	
*	5:00	2123	60	37	66	* END TEST *
	5:15	2123	59	37	66	Bleed to 2000
	5:30	1996	58	36	64	
	5:35	1994	66	37	64	Bleed to 1500
	5:40	1497	56	37	64	
	5:55	1497	54	37	63	Bleed to 1000
	6:00	997	54	37	63	
	6:15	997	52	37	62	Bleed to 500
	6:20	501	52	37	62	
	6:35	501	52	37	61	Bleed to 0
	6:40	0	51	37	60	
	6:55	0	51	37	60	

TEST EQUIPMENT

PRESSURE RECORDER 1:

Mfg. Barton
Model
Serial No. 2026-007
Range 0-3000 PSI
0-150° F
Notes: Cal on 7-27-17

PRESSURE RECORDER 2:

Mfg.
Model
Serial No.
Range
Notes:

DEADWEIGHT TESTER OR CALIBRATED TEST GAUGE:

Mfg. Crystal Engineering
Model XP2i
Serial No. 352036
Date of last Calibration 7-27-17
Calibrated by APEX
Range 0-5000 PSI
Notes:

TEMPERATURE RECORDER:

Mfg. Barton
Model
Serial No. 265A-3511
Range 0-150°
Notes: Cal on 9-16-17

CALIBRATION OF TEMPERATURE RECORDER

Temperature recorder reading	Test mercury thermometer reading	Remarks

CALIBRATION OF PRESSURE RECORDER 1

Pressure recorder reading	Deadweight tester reading	Remarks

CALIBRATION OF PRESSURE RECORDER 2

Pressure recorder reading	Deadweight tester reading	Remarks

NOTES

EQUIPMENT CALCULATED MOP SUMMARY WORKSHEET

1. Test Information:

Target MOP 1400
Enter the desired MOP, if less than pipe internal design pressure.

Date 11-20-17 Time 6:15 AM
Test Point Location Block valve @ Latham Ditch
Test Medium Water Test Duration 8 hr
Specific Gravity of Test Medium
Min. Test Press. at test site 125% of min. MOP + elv. 1850 110%
Maximum allowable % of SMYS = 100%

2. Pipe Specifications:

Manufacture Type
Pipe (#1) O.D. 8.625 MOP 1400
Grade X-52 SMYS 52,000 Seam Joint Factor
Wall thickness .219 Design Factor (F)
Length (ft.): 18,157 Volume 55,105
Max allowable test pressure, psig

3. Pipe Specifications:

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

4. Pipe Specifications:

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

5. Pipe Specifications:

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

6. Pipe Specifications:

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

7. Pipe Specifications:

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

8. Pipe Fittings Specifications:

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

9. Pipe Fittings Specifications:

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

10. Pipe Fittings Specifications:

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

EQUIPMENT CALCULATED MOP SUMMARY WORKSHEET
(continued)

11. Manufactured: Weldolet, etc. O.D. _____ Working Pressure _____
Manufacture Type _____ Grade _____
Fitting Description _____
Max allowable test pressure, psig

12. Manufactured: Pipe Flanges O.D. _____ Working Pressure _____
Manufacture Type _____ Class _____
Temperature Derating Factor (T) _____
Max allowable test pressure, psig

13. Manufactured: Pipe Flanges O.D. _____ Working Pressure _____
Manufacture Type _____ Class _____
Temperature Derating Factor (T) _____
Max allowable test pressure, psig

14. Manufactured: Block Valve Size _____ Working Pressure _____
Manufacture Type _____ Class _____
Temperature Derating Factor (T) _____
Max allowable test pressure, psig

15. Calculated MOPs (psi):

Test Pressure Range @Test Site, psig — 125% to psig — 110% to psig

Note: Add 0 psi to min. test range

Maximum test presssure at test site, psig

CALCULATED TARGET MOP OF PIPELINE SECTION PSIG

SBP SADDLE BUTTE PIPELINE, LLC

FAILURE LOG

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: ____

____

SABER BUTTE PIPELINE, LLC

SUPPLEMENTARY DOCUMENTATION

The following marked exhibits are attached as a part of this Test Report:

EXHIBIT NO. 1	☐ Sketch of Tested Piping (including how section is isolated), with material list
EXHIBIT NO. 2	☐ Profile of pipeline section and/or segment
EXHIBIT NO. 3	☐ Pressure Chart, with pressure test number, date, test section name, Inspector name and signature
EXHIBIT NO. 4	☐ Temperature Chart, with pressure test number, date, test section name, Inspector name and signature
EXHIBIT NO. 5	☐ Pressure Recorder Certification Papers
EXHIBIT NO. 6	☐ Temperature Recorder Certification Papers
EXHIBIT NO. 7	☐ Deadweight or Calibrated Test Gauge Certification Papers
EXHIBIT NO. 8	☐ Field test data log, if hand written
EXHIBIT NO. 9	☐ Pressure Test Procedure, if applicaple, with MOP Area Representative and Engineer signature approval

CERTIFICATION

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

MOP Area Representative

By: _____ (Please print) _____ (Signature) Date: _____

Engineer

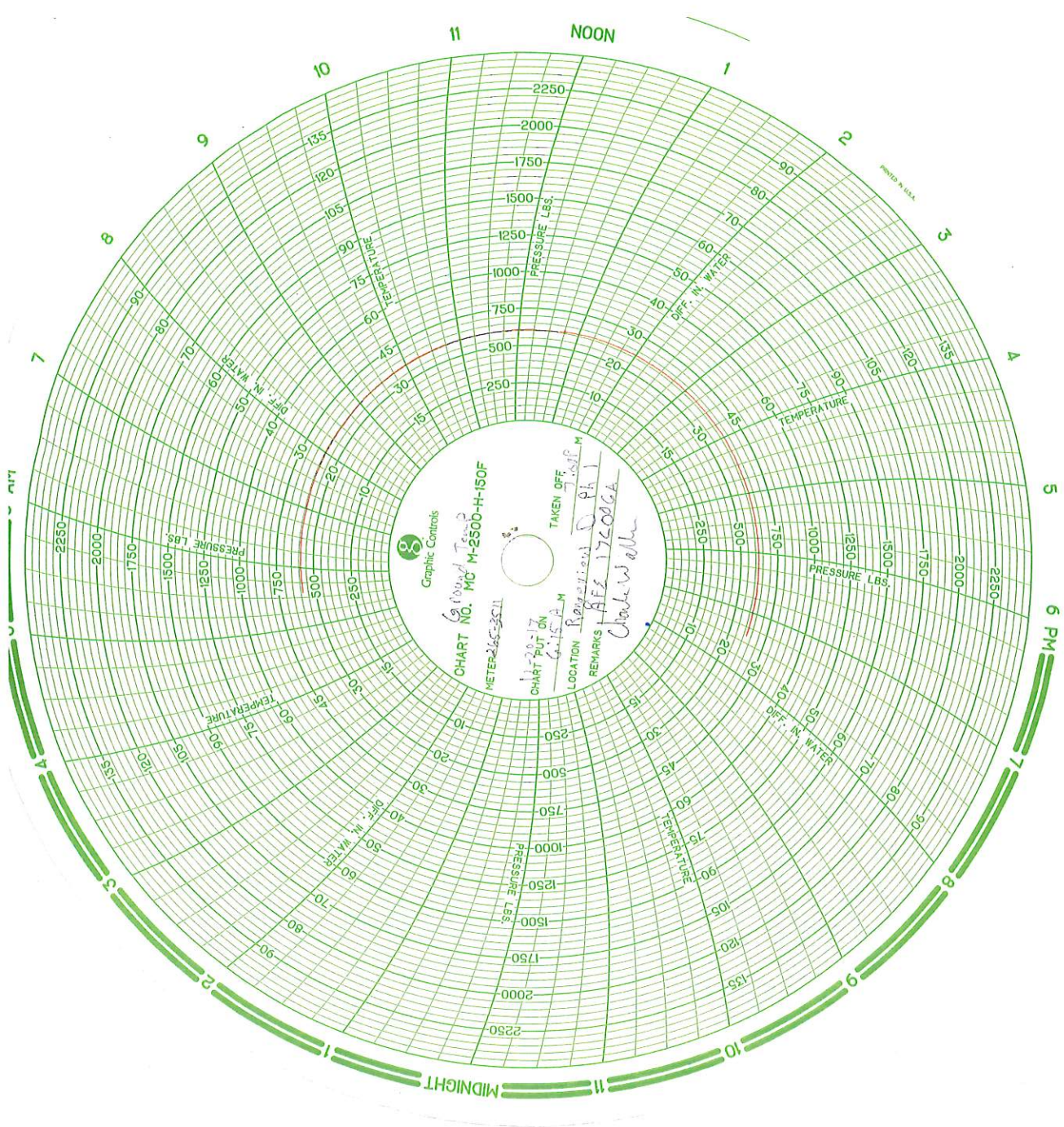
By: _____ (Please print) _____ (Signature) Date: _____

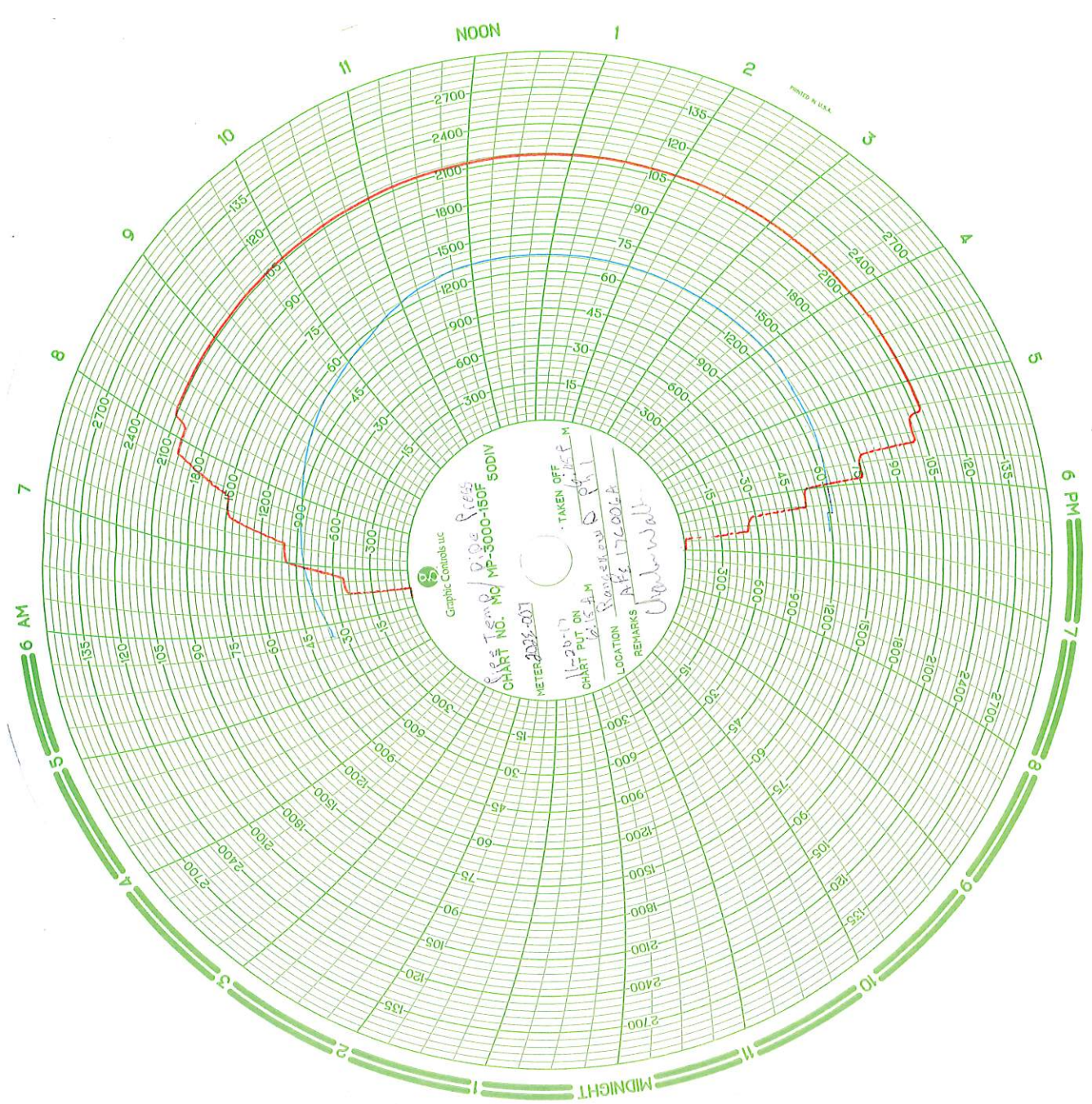
Inspector

By: Charles Wallace (Please print) Charles Wallace (Signature) Date: 11-20-17

Name of Testing Contractor North Winds of Wyoming

By: Deeanne Keys (Please print) Deeanne Keys (Signature) Date: 11-20-17


NOON
6 PM
MIDNIGHT
PRESSURE LBS.
DIFF. IN. WATER
TEMPERATURE
Graphic Controls
CHART NO. MC M-2500-H-150F
METER
CHART PUT ON
TAKEN OFF
LOCATION
REMARKS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Graphic Controls LLC
CHART NO. MP-3000-150F 5DIV
METER 2026-007
CHART PUT ON
TAKEN OFF
LOCATION
REMARKS
PRINTED IN U.S.A.

Ground Temp
Range view D

C-1

P-S-S-COMPANIES

WASATCH SUPPLY

PSS PIPELINE SUPPLY & SERVICE

NORTH STATE SUPPLY NS

9700 E. 104TH AVE, UNIT F- HENDERSON, CO 80640 - Phone (303)857-7986 - Fax (303)389-4945

CALIBRATION CERTIFICATE

CERTIFICATE NUMBER: CO

Details +/-: 1.0% ACCURACY

DATE CALIBRATED: 09/16/2017
DUE DATE: 09/15/2018

INDICATED TEMPERATURE RANGE: # 0 – 150°F
INDICATED PRESSURE RANGE: #0 – 2500 PSI
SERIAL NO: 265A3511
MANUFACTURER: BARTON/ 12" RECORDER

TYPE OF INSTRUMENT CALIBRATED: TEMPERATURE / PRESSURE RECORDER

INSTRUMENT FINDINGS/STATUS: UNIT IS IN TOLERANCE/ INSTRUMENT MEETS OR EXCEEDS SPECIFICATIONS.

BASED ON INTERNATIONAL STANDARDS OF GRAVITY: (980.665 cm./sq.).

TYPE OF STANDARD USED TO CALIBRATE: REFINERY DEADWEIGHT TEST UNIT SPT. (35225-3) SERIAL No. 5268: KESSLER TEST THERMOMETERS; SERIAL NO, CALIBRATION DATE: JANUARY 30, 2017

ALL STANDARD DIRECTLY TRACEABLE TO NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGIES TEST NO: (N.I.S.T.) 2.6/172490 & 6.6/139577.

CALCULATED USING MASS VALUES, AREA, AO, AND STATED GRAVITY.
ROOM TEMPERATURE/HUMIDITY (AT TIME OF TEST): 66°F / 25%.

CALIBRATED BY: NICK BEDFORD

C 3

P-S-S-COMPANIES

WASATCH SUPPLY

PSS PIPELINE SUPPLY & SERVICE

NORTH STATE SUPPLY NS

9700 E. 104TH AVE, UNIT F- HENDERSON, CO 80640 - Phone (303)857-7986 - Fax (303)389-4945

CALIBRATION CERTIFICATE

CERTIFICATE NUMBER: CO

Details +/-: 1.0% ACCURACY

DATE CALIBRATED: 07/27/2017
DUE DATE: 07/27/2018

INDICATED TEMPERATURE RANGE: # 0 – 150°F
INDICATED PRESSURE RANGE: #0 – 3000 PSI
SERIAL NO: 202E-007
MANUFACTURER: BARTON/ 12" RECORDER

TYPE OF INSTRUMENT CALIBRATED: TEMPERATURE / PRESSURE RECORDER

INSTRUMENT FINDINGS/STATUS: UNIT IS IN TOLERANCE/ INSTRUMENT MEETS OR EXCEEDS SPECIFICATIONS.

BASED ON INTERNATIONAL STANDARDS OF GRAVITY: (980.665 cm./sq.).

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CALCULATED USING MASS VALUES, AREA, AO, AND STATED GRAVITY.
ROOM TEMPERATURE/HUMIDITY (AT TIME OF TEST): 66°F / 25%.

CALIBRATED BY: NICK BEDFORD

CR-1

APEX INSTRUMENTS
7200 E. Dry Creek Rd, STE C-102, Centennial, CO 80112
Ph. 303-804-0667 Cal.Lab@Apex-Instruments.com

Calibration Certificate

Certificate Number: 172224

Customer:
Pipeline Supply & Service
Henderson, CO

Manufacturer:	Crystal Engineering	***Calibration Date:***	7/27/2017
Model Number:	XP2i 5000 psi	***Due Date:***	7/27/2018
Serial Number:	352036	***As Found:***	In Tolerance
Description:	Digital Test Gauge	***As Left:***	As Found
Procedure:	CRY_P_XP2i	***Temperature:***	72 F
Calibrated To:	Manufacturer's Specifications	***Humidity:***	30 %
Technician:	Austin Molyneux		

Tolerance Specs:
0 - 20%: +/- (0.02% of FS)
20% - 100%: +/- (0.1% of Rdg)

Technician Notes:

As Left Userspan: 1.00017

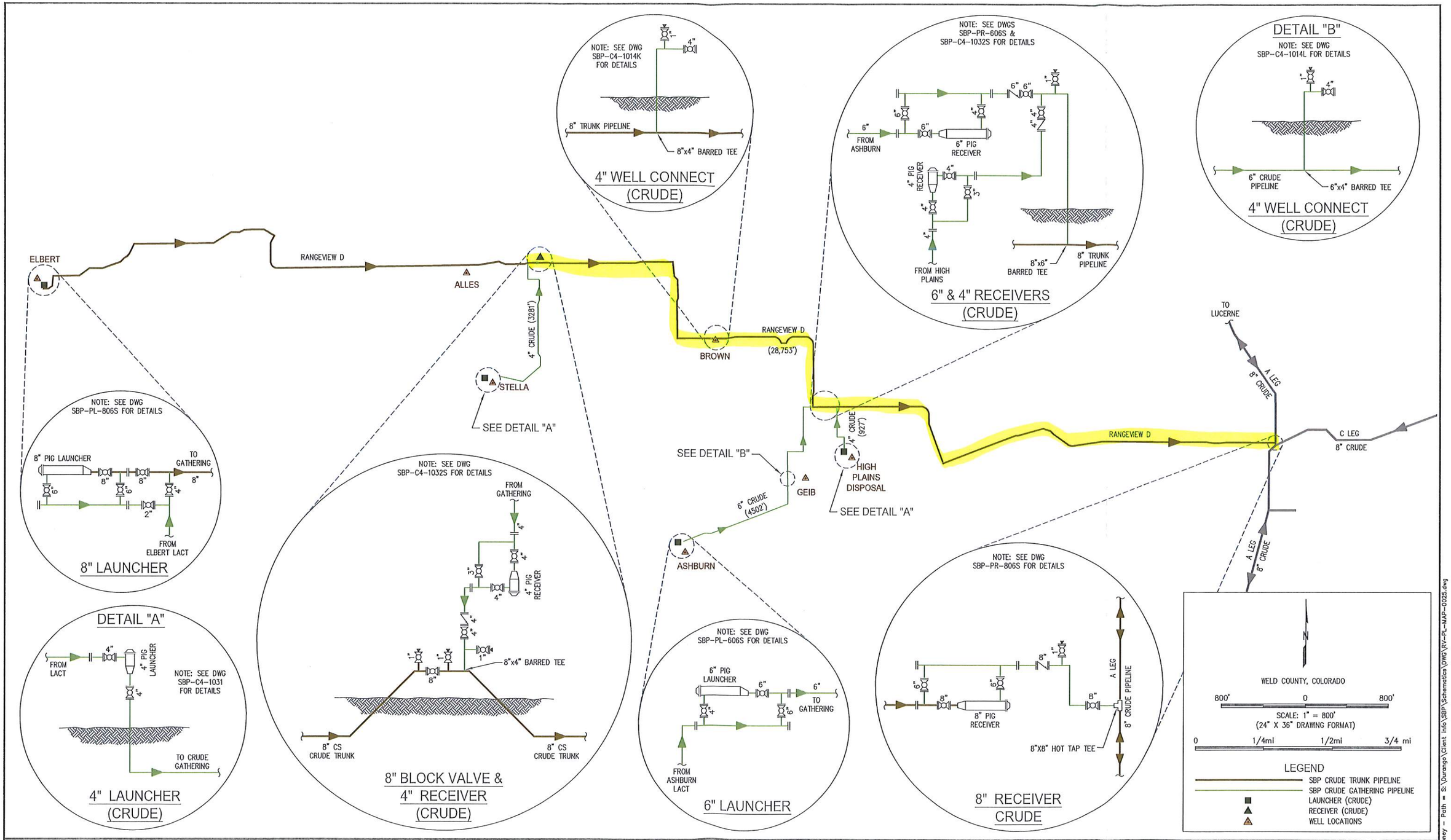
Approved Signatory: Austin Molyneux

Apex Instruments certifies that the instrument listed above meets the specifications of the manufacturer at the completion of its calibration. Standards used are traceable to the National Institute of Standards and Technology (NIST), or have been derived from accepted values, natural physical constants, or through the use of the ratio method of self-calibration techniques.

Methods used are in accordance with the procedure listed above. This calibration is a direct comparison of the unit under test to the listed reference standards and did not involve any sampling plans to complete. No allowance has been made for the instability of the test device due to use, time, etc. Such allowances would be made by the customer as needed.

This certificate does not guarantee the continued performance of the instrument listed above. Any modifications or services performed hereafter may void this certificate.

Description	Model Number	Serial Number	Calibration Date	Due Date	ID
Electronic Deadweight Tester	RPM4-E-DWT A100M/A10M	1709	11/2/2016	11/2/2017	APX00024



NOTES:

1) FLOW SCHEMATIC IS FOR GRAPHICAL REPRESENTATION ONLY.
2) ALL GAS, WATER AND UTILITY LINES SHOULD BE LOCATED PRIOR TO ANY EXCAVATING, DIGGING, OR TRENCHING ANYWHERE ON OR NEAR THIS SITE.
3) CAM ASSUMES NO RESPONSIBILITY FOR THE SPECIFIC LOCATION OF ANY BURIED GAS, WATER, OR UTILITY LINES THAT MAY BE PRESENT ON OR NEAR THIS SITE, NOR IS ANY LIABILITY ASSUMED FOR ANY LEGAL ACTION WHICH RESULTS FROM A DISCOVERY OF A GAS, WATER, OR UTILITY LINE IN ADDITION TO OR IN A DIFFERENT LOCATION THAN SHOWN ON THIS PLAT.
4) COORDINATE SYSTEM BASED ON NAD 83 COLORADO STATE PLANE, NORTH ZONE.
5) PROPOSED PIPELINE ROUTES FROM IMPORTED SHAPE FILES PROVIDED BY SADDLE BUTTE PIPELINE II, LLC.

REFERENCE DRAWINGS

DWG. NO.	TITLE

REVISIONS

NO.	DESCRIPTION	DATE	BY	CHK.	APPR.
6	ISSUED FOR CONSTRUCTION	05/09/17	TMM	JBK	JBK
5	RE-ISSUED FOR CONST. - ADDITIONAL LINEWORK FROM CLIENT	08/03/17	TMM	JBK	JBK
4	RE-ISSUED FOR CONSTRUCTION	08/07/17	TMM	JBK	JBK
3	RE-ISSUED FOR CONSTRUCTION	08/10/17	TMM	JJJ	JBK
2	RE-ISSUED FOR CONSTRUCTION	10/11/17	TMM	JJJ	JBK

DRAWN BY: CJB	03/23/17
CHECKED BY: CJB	03/23/17
REVIEWED BY: JBK	03/23/17
APPROVED BY: JBK	03/23/17
SCALE: SCALE: 1" = 1000'	

PREPARED FOR: SADDLE BUTTE PIPELINE

CAM INTEGRATED SOLUTIONS

FLOW SCHEMATIC
RANGEVIEW D LATERAL
RANGEVIEW GATHERING SYSTEM — WELD COUNTY, COLORADO

PROJECT NUMBER: DRAWING NUMBER: RV-PL-MAP-0025 REV. 4

Oct 11, 2017 - 4:10pm by tmaloney - Path = S:\Durango\Client Info\SBP\Schematics\DWG\RV-PL-MAP-0025.dwg