

TEST SPECIFICATIONS						Date:		Select Routing:																									
Saddle Butte Rockies Midstream, LLC - Hydrostatic Pressure Test						22-May-2017																											
Dunn Well Connect						Test Number: 1 of 1																											
Project Name: Dunn Well Connect				Project I.D. / AFE Number 17W010A		Facility Name or Number Dunn Pad																											
Installation Location (M.P. or S.S.): 0+00 to 5+22			State: CO	County/Parish: Weld	Class Location Designation 1	Selected Design Pressure 1480	Planned MAOP 1400																										
Project Description:																																	
Hydrostatic pressure test of the 4" Dunn well connect pipeline.																																	
Testing at 1.25*MAOP = 1850 psig minimum test pressure. 2224 psig Target Test Pressure at Chart Location. Chart located at the 4" receiver on the pipeline.																																	
Max Test Pressure for ANSI 600 Valves and Fittings is 2545 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 <input type="checkbox"/> STRENGTH TEST <input checked="" type="checkbox"/> FABRICATION <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> REPLACEMENT <input type="checkbox"/> RETEST <input type="checkbox"/> REFERENCE DRAWINGS ATTACHED <input type="checkbox"/>																																	
POST-INSTALLATION TEST <input checked="" type="checkbox"/> PRE-INSTALLATION TEST <input type="checkbox"/>																																	
Test Design Criteria					Test Section - Reference Data																												
Minimum Component Characteristics			Test Pressure Calculations																														
Pipe Information			<input type="checkbox"/> Input minimum and maximum pressure of test <input type="checkbox"/> Input minimum and maximum %SMYS of test			Test Medium Water Test Duration 8 Hours (min) Section Length 522 Ft. Section Fill Volume 431 Gal Max. Elevation Change 4 Ft.																											
Valve/Flange ANSI Class Rating 600# Valves/Fittings			<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Pressure (psig)</th> <th>% PIPE SMYS</th> </tr> </thead> <tbody> <tr> <td>Max. Test Pressure (Pipe)</td> <td>2600</td> <td>59.8%</td> </tr> <tr> <td>Max. Test Pressure (Valves and Fittings)</td> <td>2660</td> <td>61.2%</td> </tr> <tr> <td>Min.</td> <td>1850</td> <td>42.6%</td> </tr> </tbody> </table>				Pressure (psig)	% PIPE SMYS	Max. Test Pressure (Pipe)	2600	59.8%	Max. Test Pressure (Valves and Fittings)	2660	61.2%	Min.	1850	42.6%	Station Equations: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>Back</td> <td>0+00</td> <td>0+00</td> <td>0+00</td> </tr> <tr> <td>Ahead</td> <td>0+00</td> <td>0+00</td> <td>0+00</td> </tr> </tbody> </table>					1	2	3	Back	0+00	0+00	0+00	Ahead	0+00	0+00	0+00
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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	4623	2,598	59.8%	1,850	42.6%	748	2,224	51.2%																								
HIGH ELEVATION	0+00	4623	2,598	59.8%	1,850	42.6%	748	2,224	51.2%																								
LOW ELEVATION	0+17	4619	2,600	59.8%	1,852	42.6%	748	2,225	51.2%																								
END	5+22	4623	2,598	59.8%	1,850	42.6%	748	2,224	51.2%																								
Chart Location (Test Point)	0+00	4623	2,598	59.8%	1,850	42.6%	748	2,224	51.2%																								
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): <i>Dwayne Keys</i>			Date:	Compliance (signature)			Date:																								
Designed Reviewed if applicable (Signature)	Date:	Company Name (for Contractor or for Employee): <i>Northwind Energy Services</i>			Date:	Engineering or Operations (Signature)			Date:																								
Compliance (Signature)	Date:	Witnessed & Accepted by Company Representative: <i>Charles W. Allen</i>			Date:	Actual MAOP																											



April 2006

MOP Establishment and Pressure Testing of Pipelines
TG1601.190

PAGE 1 OF 9

LIQUID PIPELINE
PRESSURE TEST
REPORT

Pressure Test Number

1 5-28-17

MOP of tested facility is

1400

PSIG

Company:

Saddle Butte

Operations Area:

Project:

Run Well Connect

AFE:

17W010A

Pipeline:

Section:

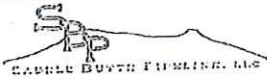
Station or Milepost

From:

0+00

To:

5+22

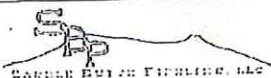


INSTRUCTIONS

PAGE 2 OF 9

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

<i>General Information</i>	<ul style="list-style-type: none"> 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.
<i>Pipe Data</i>	<ul style="list-style-type: none"> 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>	<ul style="list-style-type: none"> 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.
<i>Pressure Calculations</i>	<ul style="list-style-type: none"> Elevation of high and low points and the elevation of the test pressure measure sites is required for calculation of the target test pressures.
<i>Test Log</i>	<ul style="list-style-type: none"> 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.
<i>Notes</i>	<ul style="list-style-type: none"> 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>	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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.
<i>Failure Log</i>	<ul style="list-style-type: none"> 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).
<i>Supplementary Documentation</i>	<ul style="list-style-type: none"> 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.
<i>Certification</i>	<ul style="list-style-type: none"> Signatures of the Company and Contractor representatives in charge of the test are MANDATORY.



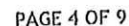
PRESSURE CALCULATIONS

PAGE 3 OF 9

Location of Test Point <u>0+00</u>	Elevation of Test Point <u>4623</u> Ft. (Elevation) <u>0+00</u> Ft. (Station)	High Point <u>4623</u> Ft. (Elevation) <u>0+00</u> Ft. (Station) Location Name	Low Point <u>4619</u> Ft. (Elevation) <u>0+17</u> Ft. (Station) Location Name
Target MOP: <u>1400</u>	Test Duration: <u>8</u> hr	Start Point <u>4623</u> Ft. (Elevation) <u>0+00</u> Ft. (Station) Location Name	End Point <u>4623</u> Ft. (Elevation) <u>5+22</u> Ft. (Station) Location Name
Target Test Pressure Range 1st Min: <u>1450</u> Maximum: <u>2600</u> 2nd Min:	High Point Low Point		

TEST LOG

DATE	TIME	PRESSURE	AMBIENT TEMP	BELOW GROUND TEMP	ABOVE GROUND TEMP	REMARKS
5-28-17	6:00 AM	0	41	64	48	Receiver and Test equip is in a
	6:15	0	41	64	49	Build to 500
	6:16	501	41	64	49	Build to 1000
	6:20	501	42	64	50	Build to 1500
	6:31	1001	42	64	50	Build to 2000
	6:45	1002	42	64	51	Build to 2200
	6:45	1523	42	64	51	Build to 2224+
	7:00	1523	43	64	51	
	7:00	2005	43	64	51	
	7:15	2005	44	64	51	
	7:15	2232	44	64	51	
*	7:30	2233	46	64	51	* Begin Test * Sunny, clear now wind
	7:45	2234	48	64	51	
	8:00	2235	50	64	52	
	8:15	2236	52	64	53	
	8:30	2239	54	64	54	
	8:45	2243	56	64	55	
	9:00	2247	58	64	57	
	9:15	2250	59	64	58	
	9:30	2254	60	64	60	
	9:45	2259	61	64	62	
	10:00	2264	63	64	64	
	10:15	2270	64	64	66	
	10:30	2276	65	64	67	
	10:45	2280	66	64	70	
	11:00	2283	67	64	72	Wind picked up clouds moving in
	11:15	2285	67	64	73	Partly cloudy
	11:30	2290	67	64	74	
	11:45	2295	68	64	75	
	12:00	2296	70	64	77	
	12:15	2299	70	64	79	
	12:30	2299	70	64	81	
	12:45	2300	71	64	82	
	1:00	2302	71	64	84	
	1:15	2303	71	64	86	
	1:30	2307	71	64	88	
	1:45	2311	71	64	90	
	2:00	2319	71	64	91	
	2:15	2324	71	64	92	





TEST EQUIPMENT

PAGE 5 OF 9

PRESSURE RECORDER 1:

Mfg. Barton
Model _____
Serial No. 202A-161894
Range 0-3000 PSI
0-150° F
Notes: Cal on 11-12-2016

PRESSURE RECORDER 2:

Mfg. _____
Model _____
Serial No. _____
Range _____
Notes: _____

DEADWEIGHT TESTER OR CALIBRATED TEST GAUGE:

Mfg. AMETEK
Model VP2
Serial No. 364359
Date of last Calibration 4-27-2017
Calibrated by PGS
Range 0-5000 PSI
Notes: _____

TEMPERATURE RECORDER:

Mfg. Barton
Model _____
Serial No. 265A-3511
Range 0-150° F
Notes: Cal on 8-7-17

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

PAGE 6 OF 9

1. Test Information:

Target MOP 1400Enter the desired MOP,
If less than pipe
internal design
pressure.Date 5-28-17Time 6:00 AmTest Point Location 0+00 Dunn WCTest Medium WaterTest Duration 8 hr

Specific Gravity of Test Medium _____

Min. Test Press. at test site 125% of min. MOP + elv. 1950

110%

Maximum allowable % of SMYS = 100%

2. Pipe Specifications:

Manufacture Type _____

Pipe (#1) O.D. 4.5Grade X52 SMYS 52000Wall thickness 1.788Length (ft.): 522MOP 1400

Seam Joint Factor _____

Design Factor (F) _____

Volume 431 gal

Max allowable test pressure, psig _____

3. Pipe Specifications:

Manufacture Type _____

Pipe (#2) O.D. _____

Grade _____ SMYS _____

Wall thickness _____

Length (ft.): _____

MOP _____

Seam Joint Factor _____

Design Factor (F) _____

Volume _____

Max allowable test pressure, psig _____

4. Pipe Specifications:

Manufacture Type _____

Pipe (#3) O.D. _____

Grade _____ SMYS _____

Wall thickness _____

Length (ft.): _____

MOP _____

Seam Joint Factor _____

Design Factor (F) _____

Volume _____

Max allowable test pressure, psig _____

5. Pipe Specifications:

Manufacture Type _____

Pipe (#4) O.D. _____

Grade _____ SMYS _____

Wall thickness _____

Length (ft.): _____

MOP _____

Seam Joint Factor _____

Design Factor (F) _____

Volume _____

Max allowable test pressure, psig _____

6. Pipe Specifications:

Manufacture Type _____

Pipe (#5) O.D. _____

Grade _____ SMYS _____

Wall thickness _____

Length (ft.): _____

MOP _____

Seam Joint Factor _____

Design Factor (F) _____

Volume _____

Max allowable test pressure, psig _____

7. Pipe Specifications:

Manufacture Type _____

Pipe (#6) O.D. _____

Grade _____ SMYS _____

Wall thickness _____

Length (ft.): _____

MOP _____

Seam Joint Factor _____

Design Factor (F) _____

Volume _____

Max allowable test pressure, psig _____

8. Pipe Fittings Specifications:

Manufacture Type _____

Fitting Description _____

Pipe Fitting O.D. _____

Grade _____ SMYS _____

Wall thickness _____

MOP _____

Seam Joint Factor _____

Design Factor (F) _____

Max allowable test pressure, psig _____

9. Pipe Fittings Specifications:

Manufacture Type _____

Fitting Description _____

Pipe Fitting O.D. _____

Grade _____ SMYS _____

Wall thickness _____

MOP _____

Seam Joint Factor _____

Design Factor (F) _____

Max allowable test pressure, psig _____

10. Pipe Fittings Specifications:

Manufacture Type _____

Fitting Description _____

Pipe Fitting O.D. _____

Grade _____ SMYS _____

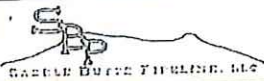
Wall thickness _____

MOP _____

Seam Joint Factor _____

Design Factor (F) _____

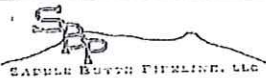
Max allowable test pressure, psig _____



EQUIPMENT CALCULATED MOP SUMMARY WORKSHEET
(continued)

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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 <input type="text" value="0"/> psi to min. test range			
Maximum test pressure at test site, psig			
CALCULATED TARGET MOP OF PIPELINE SECTION			PSIG



FAILURE LOG

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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: _____



SUPPLEMENTARY DOCUMENTATION

PAGE 9 OF 9

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 applicable, 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: _____ Date: _____
(Please print) (Signature)

Engineer

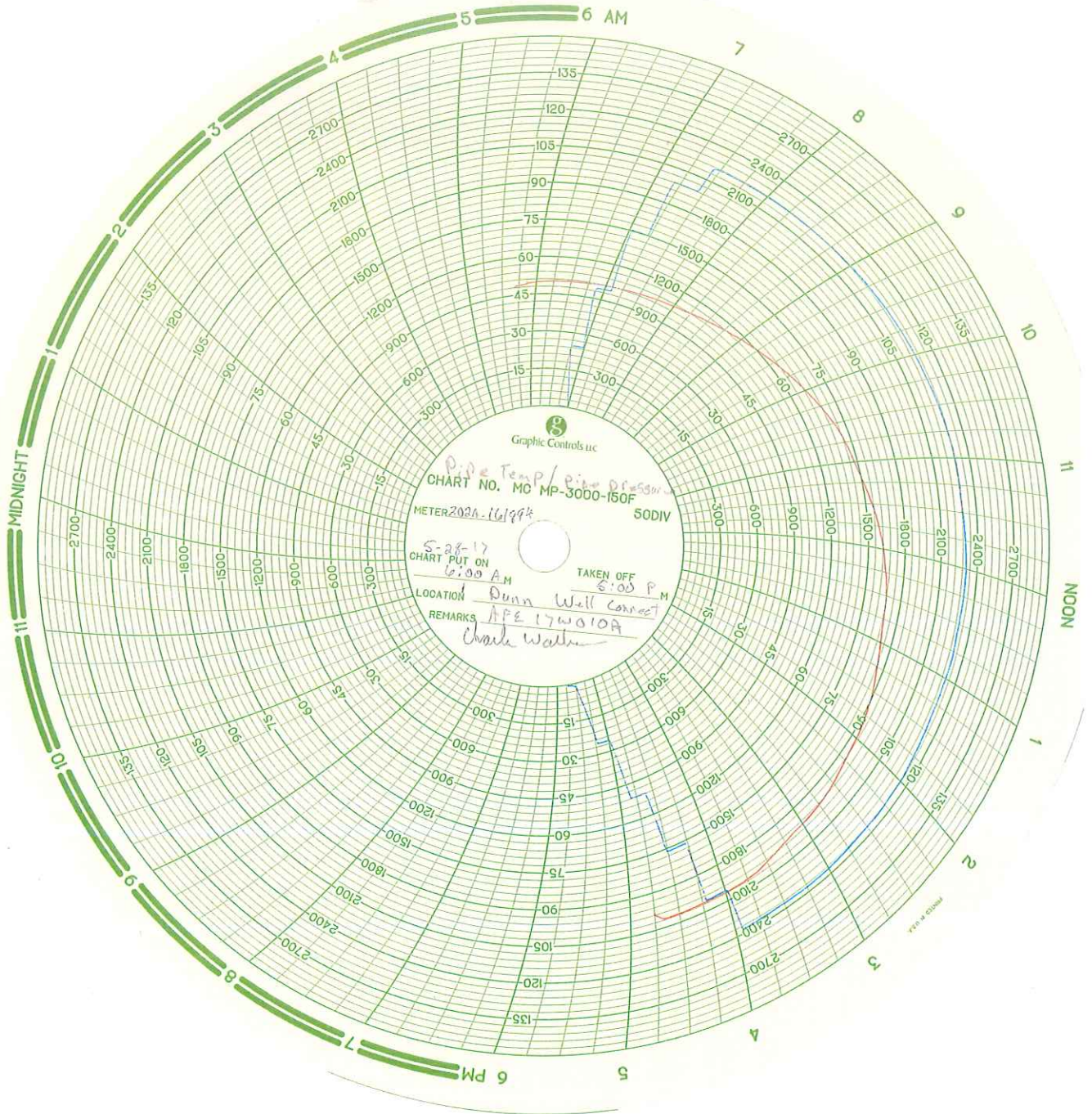
By: _____ Date: _____
(Please print) (Signature)

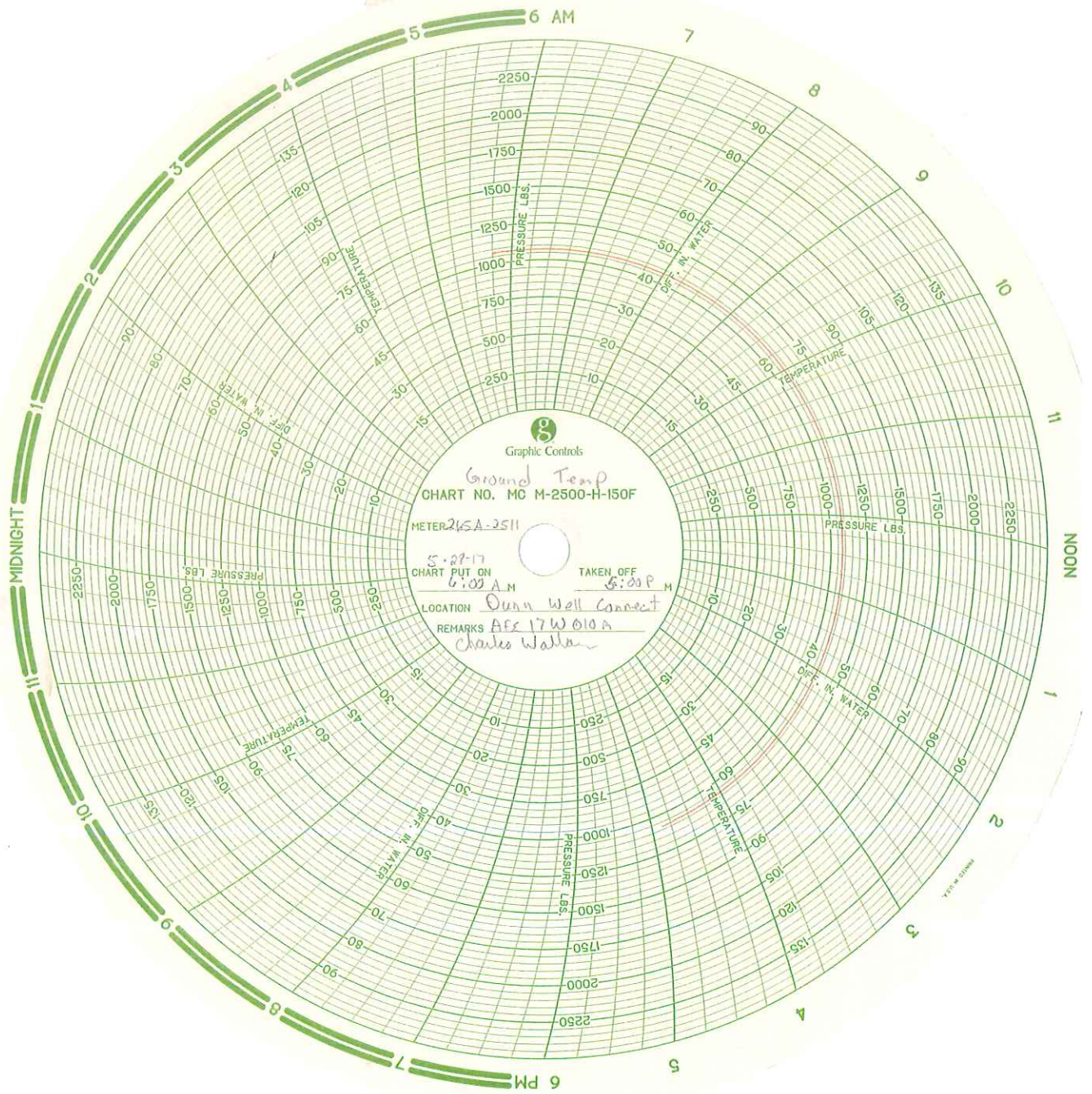
Inspector

By: Charles Wallace Charles Wallace Date: 5-28-17
(Please print) (Signature)

Name of Testing Contractor

By: North winds of Wyoming Deanne Kys Date: 5-28-17
(Please print) (Signature)





Ground Temp
CHART NO. MC M-2500-H-150F

METER 245A-2511

5-27-17
CHART PUT ON
6:02 A M

TAKEN OFF
5:00 P M

LOCATION Dunn Well Connect

REMARKS AFS 17W010A
Charles Walker

PSS-COMPANIES



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: 03/07/2017
DUE DATE: 03/07/2018

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.

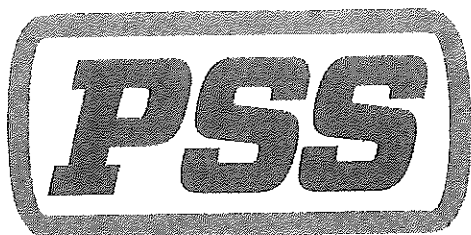
BASED ON INTERNATIONAL STANDARDS OF GRAVITY: (980.665 cm./sq.).

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



PIPELINE SUPPLY &

Calibration Certificate

Date Calibrated: 04/27/2017 ***Due Date:*** 04/27/2018

Indicated Pressure Range: 0-5000 PSI

Serial No: 364359

Manufacture: AMETEK

Type of Instrument Calibrated: CRYSTAL PRESSURE XP2I DIGITAL TEST GAUGE

Instrument Findings / Status: Unit is in tolerance and meets or exceeds specifications.

Based on International Standings of Gravity: (980.665cm./sq.)

Based on Calibrated piston area: NA

Type of standard used to calibrate: Chandler Dead Weight test unit spt. (35255-3) Serial No. 5278

All Standards 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 the time of testing: 72°F @ 22%Humidity

Specifics: +/-0.05% Accuracy

Calibrated by: NICK BEDFORD @ PSS/9700 E 104TH AVE HENDERSON CO 80640

PSS-COMPANIES



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: 11/12/2016
DUE DATE: 11/12/2017

INDICATED TEMPERATURE RANGE: # 0 – 150°F
INDICATED PRESSURE RANGE: #0 – 3000 PSI
SERIAL NO: 202A-161894
MANUFACTURER: BARTON/ 12" RECORDER

TYPE OF INSTRUMENT CALIBRATED: TEMPERATURE / PRESSURE RECORDER

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

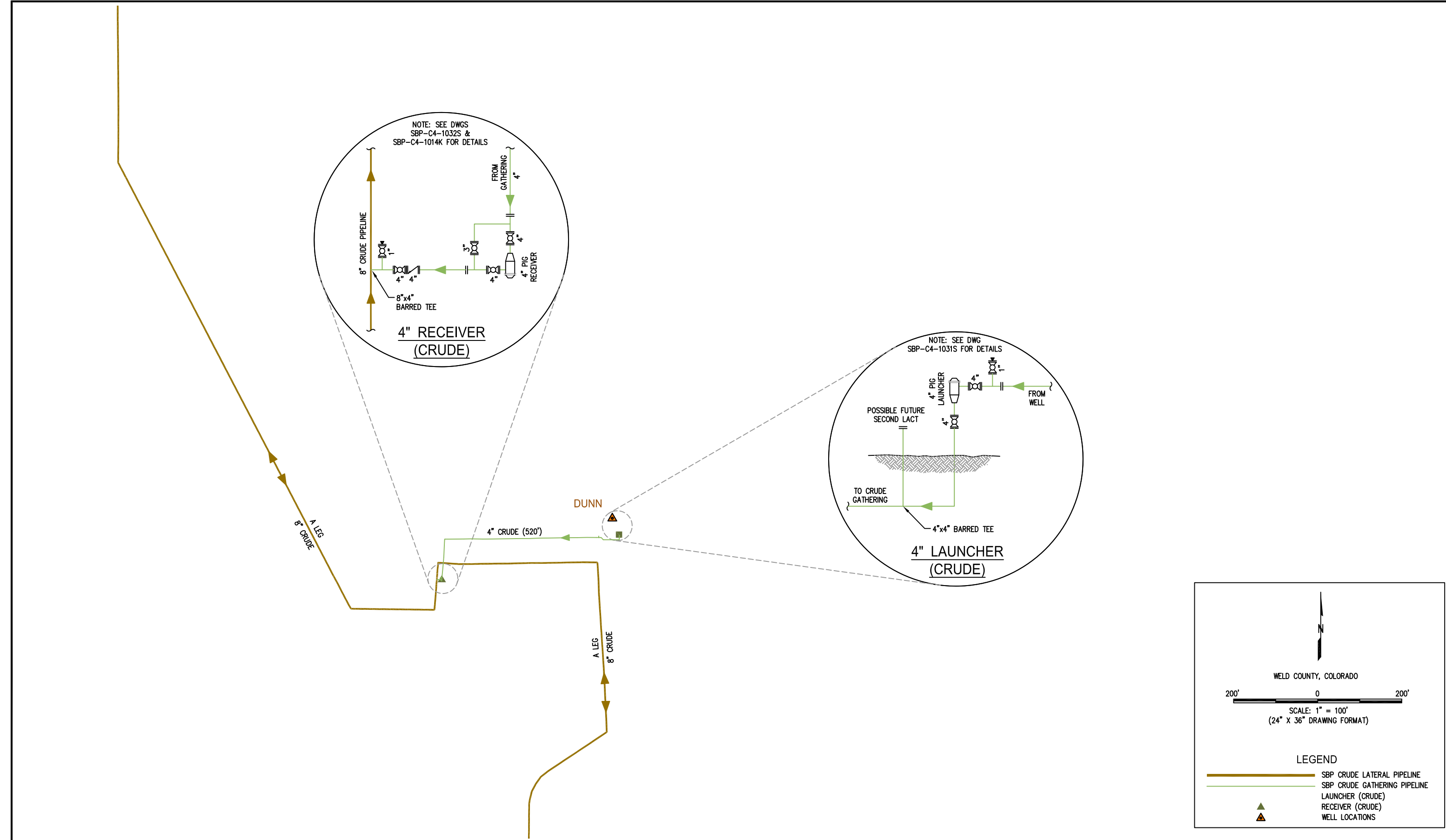
BASED ON INTERNATIONAL STANDARDS OF GRAVITY: (980.665 cm./sq.).

TYPE OF STANDARD USED TO CALIBRATE: REFINERY DEADWEIGHT TEST UNIT SPT. (35225-3) SERIAL No. 5268: KESSLER TEST THERMOMETERS; SERIAL NO. CALIBRATION DATE: SEPTEMBER 14, 2015

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



- 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			REVISIONS						
			△						
			△						
			△						
			△						
			△						
			△	AS-BUILT	10/03/17	TMM	JEK		
			△	RE-ISSUED FOR CONSTRUCTION	05/12/17	TMM	JEK		
			△	ISSUED FOR CONSTRUCTION	05/11/17	TMM	JEK		
DWG. NO.	TITLE		NO.	DESCRIPTION		DATE	BY	CHK.	APPR.

DRAWN BY:		PREPARED FOR:	 SADDLE BUTTE PIPELINE	
TMM	05/02/17			
CHECKED BY:				
JEK	05/02/17			
REVIEWED BY:				
JEK	05/02/17	FLOW SCHEMATIC DUNN WELL CONNECT		
APPROVED BY:				
SCALE:		RANGVIEW GATHERING SYSTEM		WELD COUNTY, CO
SCALE: 1" = 100'		PROJECT NUMBER	DRAWING NUMBER	REV.
			RV-PL-MAP-0030	2

FLOW SCHEMATIC
DUNN WELL CONNECT