
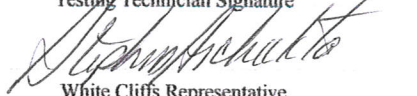


## Pressure Testing Record

PRESSURE TEST DATA SHEET					
Project Name	Project Location	Project AFE #	Test Number	Date	
2900 Ft. 8" 0.322 wt. Oscar Phase II		3906-01670	001	2/12/2015	
Test Contractor	Black Eagle Construction	Company Representative	Austin Christiansen		
PIPE DATA					
System(s)	Drawings	Size	Pipe & Fittings WT Grade	LF	
2900 ft. 8" 0.322 wt. pipe					
TEST PARAMETERS					
MAWP	Test Medium	Leak Test	Minimum Required Pressure	Application Codes	
760	Water	8 Hrs.	925	API-1104	
Design Pressure	Stabilization	Strength Test	Maximum Allowed Pressure	Valve/Flange Material	
1000	1 Hour	4 Hour	1000	300 #	
TESTING INSTRUMENT(S) DATA					
Pressure Gauge #	Valtrix	Range	# 0 - 5,00 psi	Calibration Date	5/14/2014
Ambient Temperature Gauge		Range		Calibration Date	
Pipe Temperature Recorder #	242-119810	Range	0 - 150 F.	Calibration Date	1/27/2015
Dead Weights #	Barton 242-11981	Range	# 0 - 3,000 psi	Calibration Date	1/27/2015
ACTUAL TEST VALUES					
Test Start Time:	9:50 AM	Recorded Pressure Ranges:	988 psi to 980 psi		
Test Stop Time	6:05 PM	Recorded Temperature Ranges:	deg33 deg. To 61 deg.		
Actual Duration:	8.25 hrs.				
Comments:					
<input checked="" type="checkbox"/> Pressure Chart <input checked="" type="checkbox"/> Temperature Charts <input checked="" type="checkbox"/> Test Section Data <input checked="" type="checkbox"/> Test Log <input type="checkbox"/> Plan Drawings <input type="checkbox"/> Fluid Data					
Failure				<input type="checkbox"/> Failure Report	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Signatures					
		Black Eagle Construction	2/12/2015		
Testing Technician Signature		Testing Company Name	Date		
		Utility Inspector	2/12/2015		
White Cliffs Representative		Title	Date		

Note: No gauge shall be utilized for CODE pressure tests that has not been calibrated within the past 90 days. The maximum range shall be at least one and one half (1 1/2) times and no more than four (4) times the test pressure.

## Pressure Testing Record

ACTUAL INSTRUMENT READINGS					
DATE					
TEST #					
	Time	Pressure	Pipe Temp	Ambient Temp	Comments:
1	9:00	504	31	33	
2	9:35	988	31	33	
3	9:50	987	32	33	
4	10:05	985	33	34	
5	10:20	983	33	34	
6	10:35	983	33	34	
7	10:50	983	34	37	
8	11:05	983	38	41	
9	11:20	983	40	43	
10	11:35	983	42	44	
11	11:50	983	44	44	
12	12:05	983	46	46	
13	12:20	983	46	48	
14	12:35	983	48	51	
15	12:50	983	50	56	
16	1:05	984	52	58	
17	1:20	984	53	58	
18	1:35	985	54	60	
19	1:50	986	55	60	
20	2:05	987	55	61	
21	2:20	980	56	61	
22	2:35	980	56	61	Bled down from 987 psi. to 980 ( 30 Oz. water)
23	2:50	981	56	59	
24	3:05	981	56	59	
25	3:35	981	57	60	
26	4:05	981	57	60	
27	4:35	981	56	60	
28	5:05	981	56	59	
29	5:35	981	55	56	
30	5:50	981	52	50	Test Complete, bled down to 0 Psi.
31	6:00 PM	0	52	50	
32					



5 6 AM

8

9

10

11

NOON

2

3

4

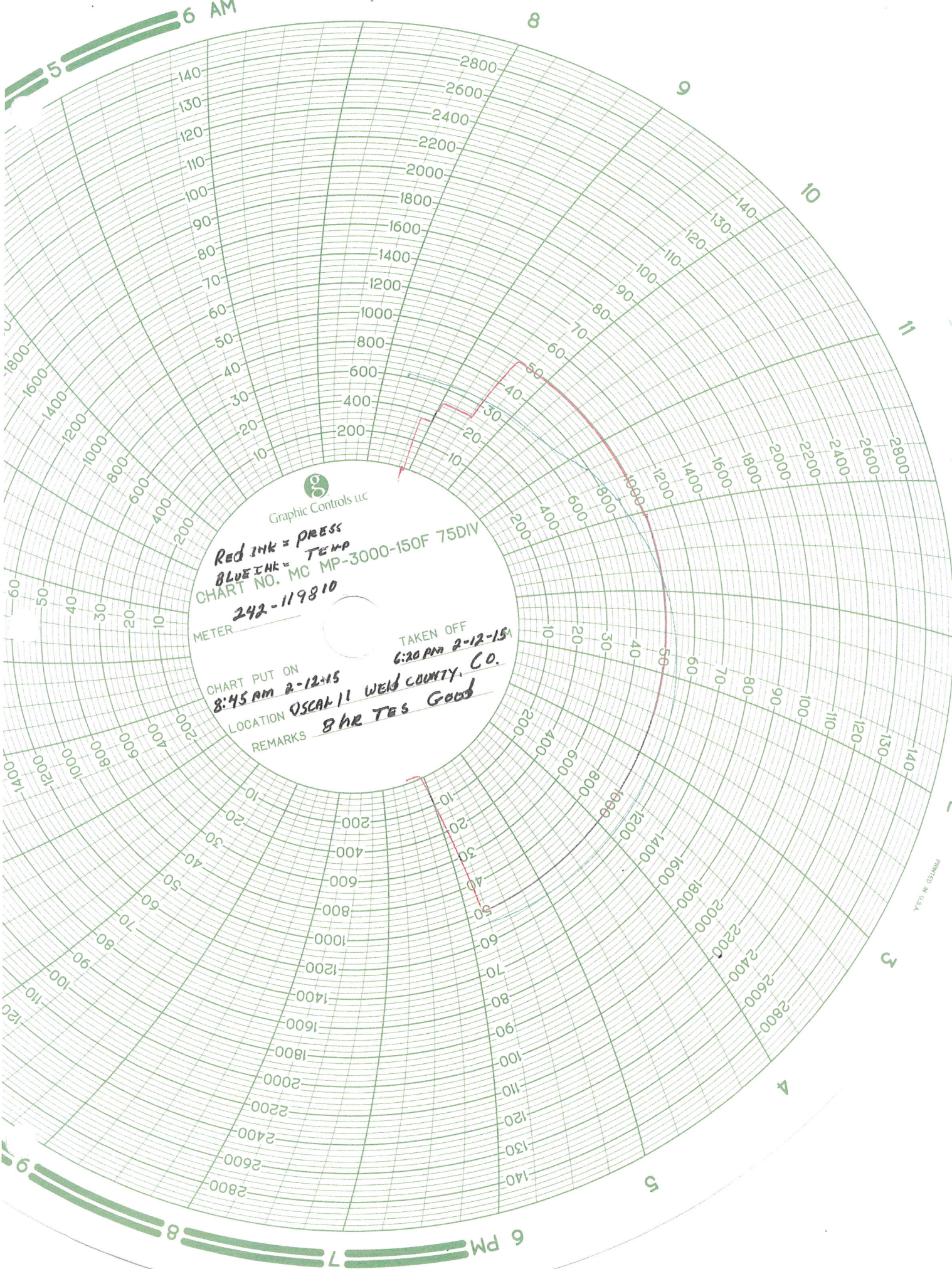
5

6 PM

7

8

9



Graphic Controls LLC  
Red ink = PRESS  
Blue ink = TEMP  
CHART NO. MC MP-3000-150F 75DIV  
242-119810  
METER  
CHART PUT ON  
8:45 AM 2-12-15  
LOCATION OSCAR 11 WELD COUNTY, CO.  
REMARKS 8 hr TES GOOD  
TAKEN OFF  
6:20 PM 2-12-15

PRINTED IN U.S.A.



# PSS-COMPANIES



2070 South 4250 West - Salt Lake City, Utah 84104 - Phone (801) 363-1933 - Fax (801) 531-9548

## CALIBRATION CERTIFICATE

**CERTIFICATE NUMBER: UT 12815-4**

**Details +/-: 0.05% ACCURACY**

DATE CALIBRATED: 01-27-2015  
DUE DATE: 01-27-2016  
INDICATED TEMPERATURE RANGE: # 0 - 150°F  
INDICATED PRESSURE RANGE: # 0 - 3,000 PSI  
SERIAL NO: 242 - 119810  
MANUFACTURER: BARTON / 12" CHART 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.).

BASED ON CALIBRATED PISTON AREA: (0.3969154 cm./sq.) (0.061522 cm./sq.).

TYPE OF STANDARD USED TO CALIBRATE: CHANDLER DEADWEIGHT TEST UNIT SPT.  
(55-100-B) SERIAL No. 25985; KESSLER TEST THERMOMETERS; SERIAL NO, 87B2276 &  
403751. CALIBRATION DATE: MAY 07, 2014

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): 77°F (25°C)/ 40%.

CALIBRATED BY: TYLER HALL

  
SIGNATURE

**JMC**  
**INSTRUMENTS, INC.**

9829 E Easter Ave • Centennial, Colorado 80112  
Telephone: (303) 794-8833 • Fax: (303) 730-1220

Date: 27 Jan. 2015

**Blackeagle Energy**

JMC Instruments, Inc. certifies that the listed one (1) instruments were calibrated on equipment which is traceable to the National Institute of Standards and Testing (N.I.S.T.). The standards have been compared to the standard of the State of Colorado. See certificate #14-396 issued by the State of Colorado. The equipment used for certification is serial number 1GA44774.

Calibration performed on work order number 3981

By: Warren Johnston

*Warren Johnston*

Description: **DEADWEIGHT REFINERY SUPPLY**

CN 35265-1

SN 6381

50 TO 3050 PSIG

**PISTON ASSEMBLY PLUS 18 WEIGHTS**

# PSS-COMPANIES



2070 South 4250 West - Salt Lake City, Utah 84104 - Phone (801) 363-1933 - Fax (801) 531-9548

## CALIBRATION CERTIFICATE

**CERTIFICATE NUMBER: UT 8414-13**

**Details+/-: 1.0% ACCURACY**

**DATE CALIBRATED:** 08-04-2014

**DUE DATE:** 08-04-2015

**INDICATED PRESSURE RANGE:** # 0 - 5,000 PSI

**SERIAL NO:** 2705-2

**MANUFACTURER:** TAYLOR VALVE / VAETRIX

**PRESSURE INSTRUMENT:** # 0 - 5,000 PSI / DIGITAL GAUGE

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

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

**BASED ON CLAIBRATED PISTON AREA:** (0.3969154 cm./sq.) (0.061522 cm./sq.)

**TYPE OF STANDARD USED TO CALIBRATE:** CHANDLER DEADWEIGHT TEST  
UNIT SPT. (55-100-B) SERIAL No. 25985; CALIBRATION DATE: MAY 07, 2014

**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, A<sub>0</sub>, AND STATED GRAVITY.**

**ROOM TEMPERATURE/HUMIDITY (AT TIME OF TEST):** 77°F (25°C)/ 40%

**CALIBRATED BY:** TYLER HALL

  
SIGNATURE