

## Pressure Test Report

Revision  
3

Revision Date

AFE No.: 5000514

Technician: BARRY LEVINS

From Station No.: 0+00

To Station No.: 0+78

Time : 8:00 am

Time :

Low Strength Pipe :	O.D. :	W.T. :	SMYS:	Grade: flexsteel	Station Piping :
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Corrosion Inhibitor :	No	Inhibitor Type :		Rate :	
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Leak Detection :	No	Material Type :		Rate :	
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Deadweight Tester Location :	Station No. (ESN) :		Elevation (ft) :	
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Pipe Temp. Recorder : Mfg:	Barton	Serial #:	124 250	Calibration Date :	3-3-26
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Maximum Test Pressure :		psig
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Minimum Test Pressure :  psig

Page 1 of 3

Project Name :		Shadow				
AFE No. :		Test Section No. :				

Time	Pressure (psig)	Pipe Temp.	Amb. Temp.	Weather	Visual Inspection	Comments
10:02	969/955		51			
10:09	969/945		51			
10:15	962		51			
10:19	969/954		51			
10:21	969/956		51			
10:30	969/955		53			
10:37	969/954		54			
10:43	969/955		55			
10:45	962		56			
10:49	969/954		57			
10:55	969/955		58			
11:00	969/955		58			
11:06	969/954		60			
11:13	969/955		63			
11:15	963		63			
11:19	969/954		63			
11:25	969/954		64			
11:30	968/954		63			
11:38	969/955		64			
11:44	969/954		65			
11:45	960		65			
11:50	969/955		68			
11:57	969/955		69			

Comments						

Pressure Test is :  

Recorded by: BARRY LEVINE Barry Levine 1888 PS  
(Contractor Representative) Print/Sign

3/6/20  
(Date)

Witnessed by: Charles Waller / Charles Waller  
(Inspector/Integrity Representative) Print/Sign

3-6-20  
(Date)

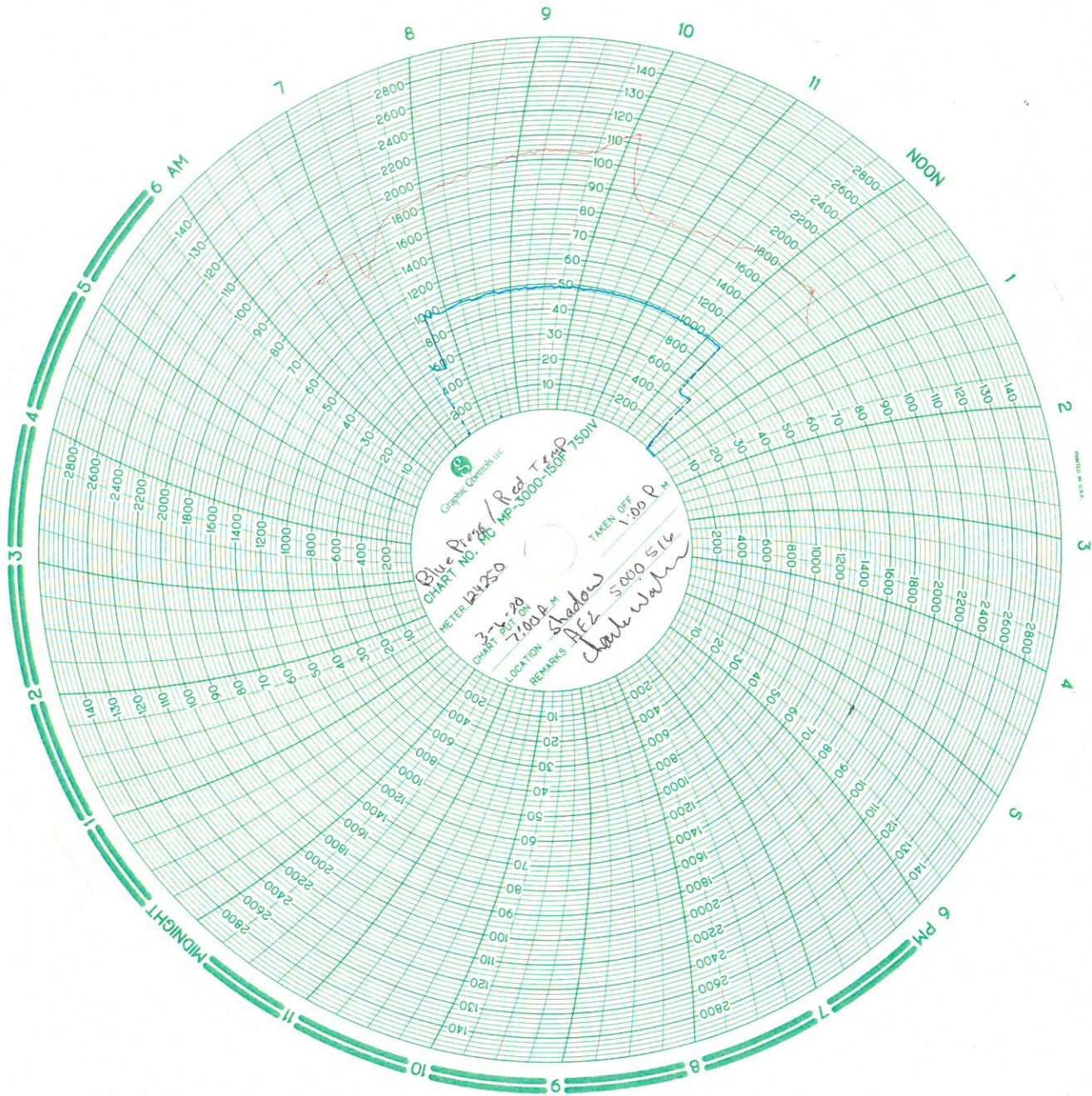
Approved by: Ralph Lee Ralph Lee  
(Project Mgr./Construction Mgr.) Print/Sign

3-6-2020  
(Date)











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

# Calibration Certificate

**Certificate Number: 194240**

***Customer:***

1888 Industrial Services  
Aullt, CO

***Manufacturer:*** Crystal Engineering  
***Model Number:*** nVision 10,000 psi  
***Serial Number:*** 695820  
***Description:*** Pressure Module  
***Procedure:*** CI-001  
***Calibrated To:*** Manufacturer's Specifications  
***Technician:*** Austin Molyneux

***Calibration Date:*** 11/15/2019  
***Due Date:*** 11/15/2020  
***As Found:*** Out of Tolerance  
***As Left:*** In Tolerance  
***Temperature:*** 71.0 F  
***Humidity:*** 28.1 %  
***Issue Date:*** 11/15/2019

***Tolerance Specs:***

0 to 30% of FS: +/- 0.015% of FS  
30% to 110% of FS: +/- 0.05% of Rdg

***Technician Notes:***

As Left Userspan: 1.00043

Approved Signatory:

A handwritten signature in black ink, appearing to read "Austin Molyneux", written over a horizontal line.

Apex Instruments certifies that the instrument listed above meets the specifications of the manufacturer at the completion of its calibration. The calibrations within the certificate are traceable through NIST or another National Metrology Institute to the International System of Units (SI).

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.

Unless otherwise contractually specified, a binary decision rule, utilizing simple acceptance, and simple rejection criteria will be used for the determination of compliance. When compliance statements are present, they are reported without factoring in the effects of uncertainty and the limits are defined by the manufacturer's stated accuracy.

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

This certificate applies only to the item listed above and is not to be reproduced other than in full, except with prior written approval from Apex Instruments Inc.



APX04102

# PSS-COMPANIES



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

## CALIBRATION CERTIFICATE

CERTIFICATE NUMBER: CO

Details +/-: 1.0% ACCURACY

*Ambient Temp.*

DATE CALIBRATED: 03/03/2020

DUE DATE: 03/03/2021

INDICATED TEMPERATURE RANGE: # 0 – 150°F

INDICATED PRESSURE RANGE: #0 – 3000 PSI

SERIAL NO: 242-124250 / ID: 008859

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

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

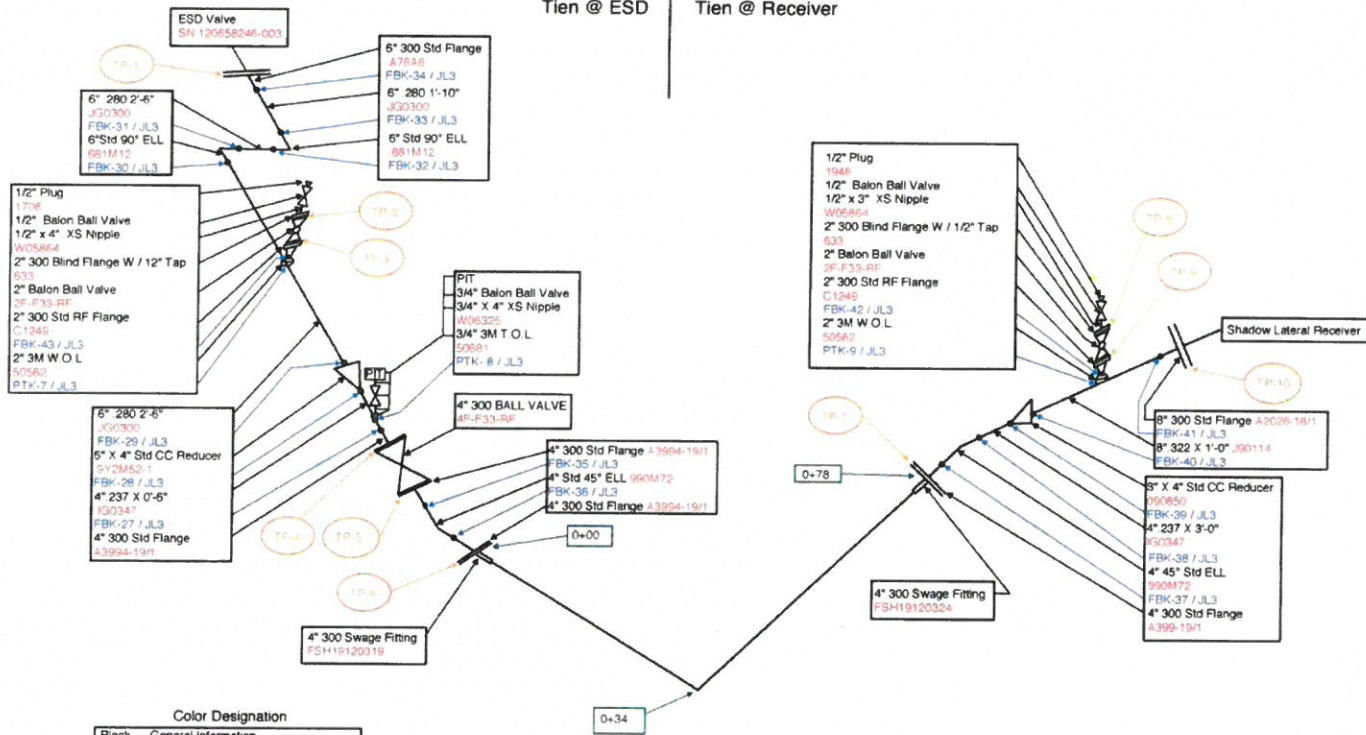
*Nick Bedford*



Shadow 500516

Tien @ ESD

Tien @ Receiver



Color Designation	
Black	General Information
Red	Heat Numbers
Blue	X-Ray Numbers & Welders Stencils
Orange	Tap In Points / Torque Sequence
Green	Survey (Wheeled off on Ruff Ground)

Mark Rutiff 4.15.2020