

Pressure Test Report

Revision
3

Project Name: AE 18 now Piggables
AFE No.: 5000516

Technician : Barry V

From Station No.: 0+00

To Station No.: 7+30

Start of Test Period : Date: 3-21-2020 Time: 7:30A

End of Test Period : Date: 3-24-2020 Time: 2:30 P

Low Strength Pipe :	O.D. :	14"	W.T. :		SMYS:		Grade:	flexsteel	Station Piping :	
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Test Medium:	Water	Source of Medium:	Green
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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 : Mfg:	Crystal	Serial #:	814724	Calibration Date :	12-20-2019
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Deadweight Tester Location :	Station No. (ESN) :	Elevation (ft) :
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Pressure Recorder : Mfg:	Barton	Serial #:	265-9609	Calibration Date :	3-3-2009
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Pipe Temp. Recorder : Mfg:	Barton	Serial #:	265-9009	Calibration Date :	3-13-2020
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Pre-approved Target Test Pressure : psig

Max Elevation Change:

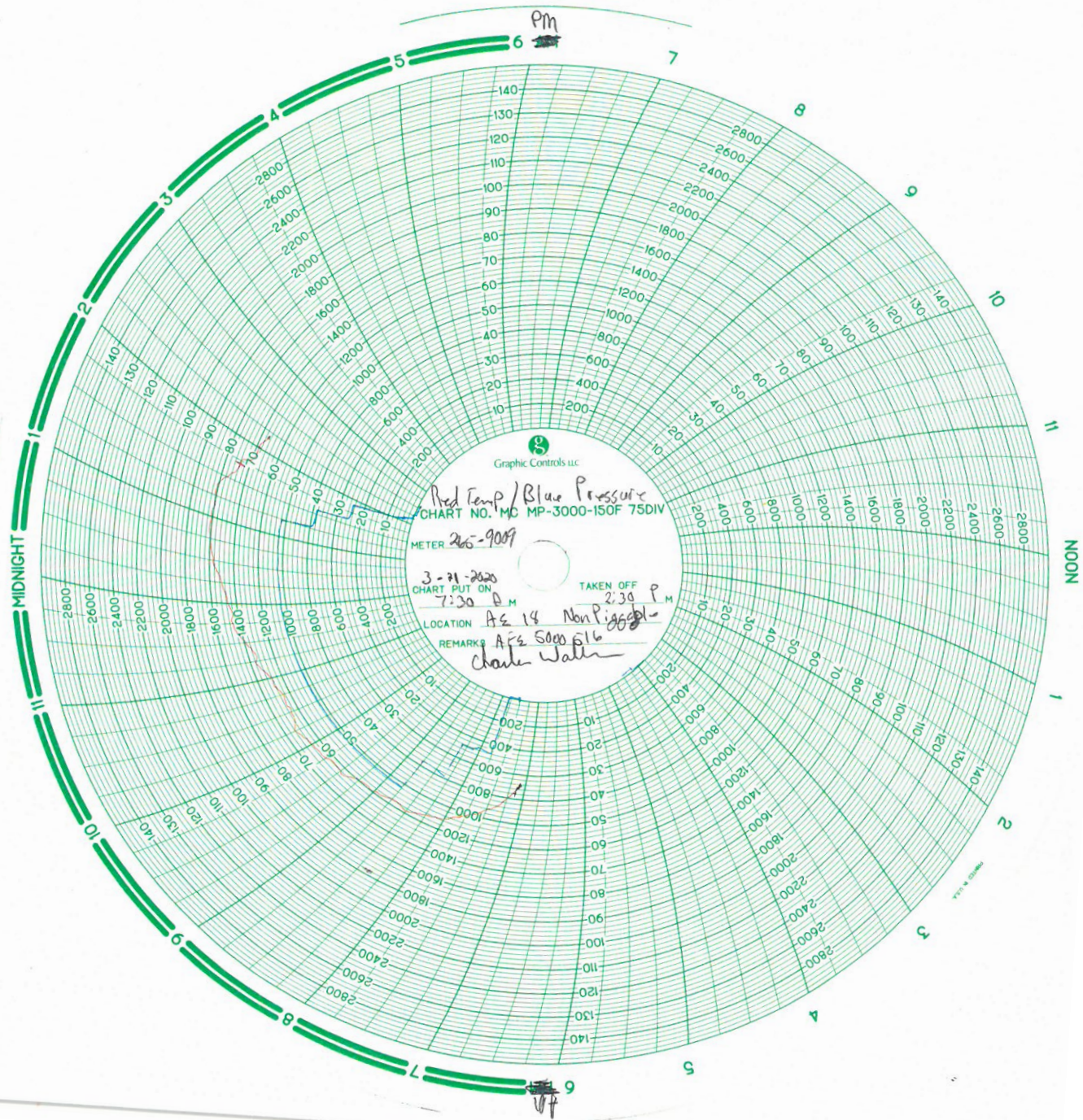
Target Test Pressure Range

Maximum Test Pressure :		psig
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Minimum Test Pressure : psig

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

Calibration Certificate

Certificate Number: 194235

Customer:

1888 Industrial Services
Aullt, CO

Manufacturer: Crystal Engineering
Model Number: nVision 10,000 psi
Serial Number: 814724
Description: Pressure Module
Procedure: CI-001
Calibrated To: Manufacturer's Specifications
Technician: Bradley Golackson

Calibration Date: 12/20/2019
Due Date: 12/20/2020
As Found: Inoperable
As Left: In Tolerance
Temperature: 70.2 F
Humidity: 20.1 %
Issue Date: 12/20/2019

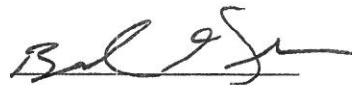
Tolerance Specs:

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

Technician Notes:

Module was returned to the manufacturer for a module PCA replacement prior to calibration.

As Left Userspan: 1.00000

Approved Signatory: 

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.



Cross Country Infrastructure Services. Inc

Sales and Service

2251 Rifle Street - Aurora, Colorado 80011

Phone 303.361.6797 Fax 303.361.6836

NIST CALIBRATION DATA

Model Number	Serial Number	Customer	Range	Accuracy
Barton	265-9009	Cross Country	3000# - 150F	1/2%
Work Performed:		Calibration: Output/Reading	Results: Pressure	
Calibrate to Mfg. Spec.		0 PSI	0 PSI	
		600 PSI	600 PSI	
		1200 PSI	1200 PSI	
		1800 PSI	1800 PSI	
		2400 PSI	2400 PSI	
		3000 PSI	3000 PSI	
		33 Deg	33 DEG	
		63 DEG	63 DEG	
		112 DEG	112 DEG	
148 DEG	148 DEG			
PO Number		Sales Order Number	Date of Test	
Recalibrated		Rental Unit	3/13/2020 10:47:44 AM	

Remarks: ALL CALIBRATIONS ARE GOOD FOR ONE YEAR FROM DATE OF TEST

Standard Used:

Manufacturer	Model	Instrument	Calibration Date	Certification #
Perma-Cal	101FTM15B21	Pressure Gauge	03/01/2019	17-043
Tech Instrumentation	TM99A	Thermometer	03/01/2019	59448

Don F.

Signature Don Frick 3-13-20