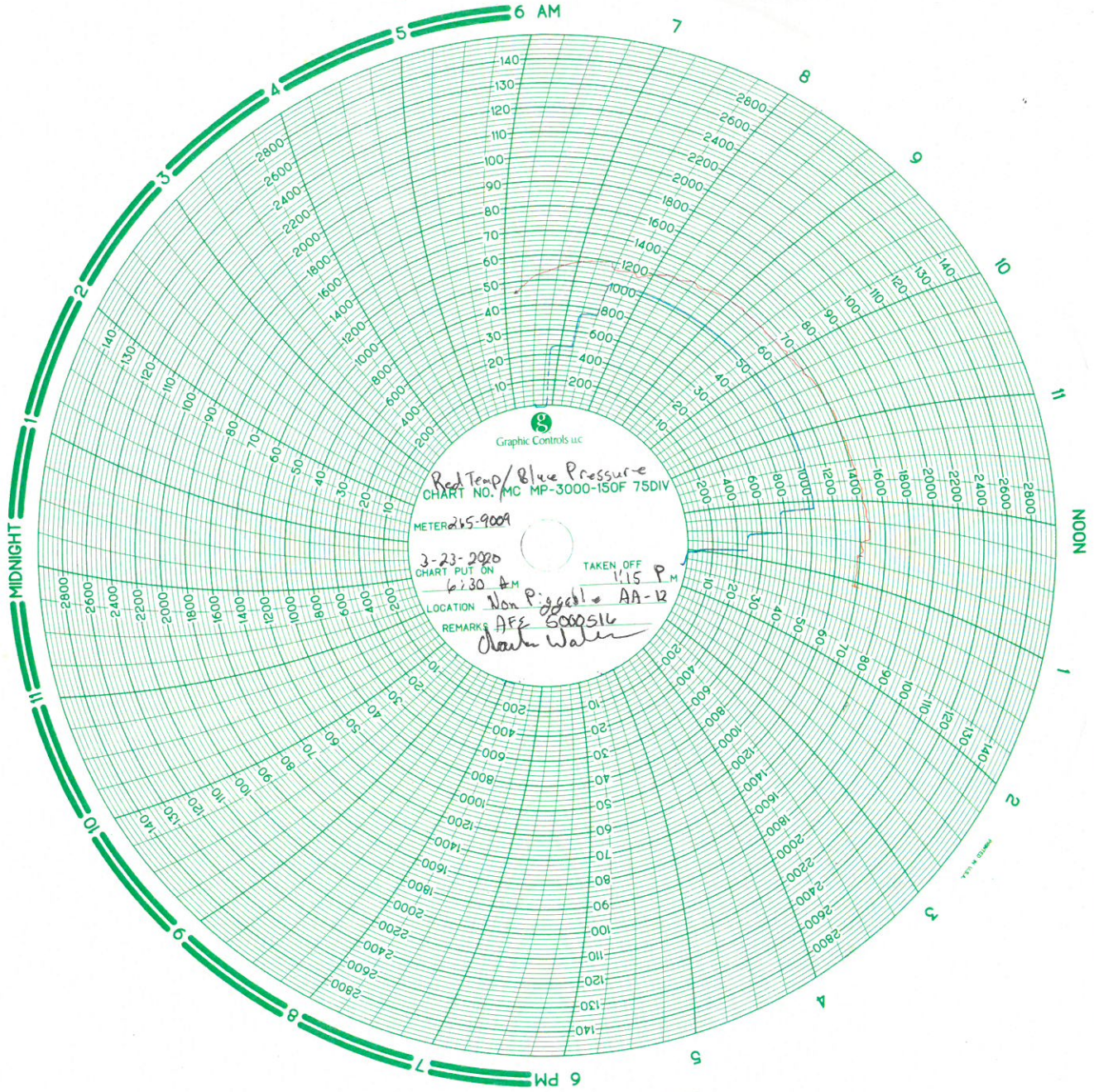
		Pipeline Pressure Test Documentation				
Pressure Test Report		Form :	Revision 3	Revision Date		
Project Name : AA-12 Now Piggables						
AFE No. : 5000516						
Contractor / Testing Company : 1888			Technician : Barry			
Test Section No. :		From Station No. :		To Station No. :		
Test Description :		0+00		6+27		
Test Type :		Start of Test Period : Date :		Time :		
Min. Test Duration : 4		3-23-2020		6:30 A		
		End of Test Period : Date :		Time :		
		3-23-2020		1:15 P		
Class Location :						
Low Strength Pipe : O.D. : 4 W.T. : SMYS Grade : flexsteel Station Piping :						
Test Medium : Source of Medium :						
Corrosion Inhibitor : No Inhibitor Type : Rate :						
Leak Detection : No Material Type : Rate :						
Deadweight Tester : Mfg : Crystal Serial # : 814724 Calibration Date :						
Deadweight Tester Location : Station No. (ESN) : Elevation (ft) :						
Pressure Recorder : Mfg : Barton Serial # : 265-9009 Calibration Date : 3-13-2020						
Pipe Temp. Recorder : Mfg : Barton Serial # : 265-9009 Calibration Date : 3-13-2020						
Pre-approved Target Test Pressure : 1050 psig		Target Test Pressure Range				
Max Elevation Change : 0		Maximum Test Pressure : 1075 psig				
		Minimum Test Pressure : 1060 psig				
Time	Pressure (psig)	Pipe Temp.	Amb. Temp.	Weather	Visual Inspection	Comments
6:30 AM	0		36°F	Clear, Calm	OK	0% hold up
7:00	500		37°			50% hold up
7:15	780		39			75% hold up
7:30	1060		40			100% hold up
7:45	1060		40		OK	Start test
8:00	1060		42	Sunny		Check for leaks
8:15	1060		43			
8:30	1060		44			
8:45	1063		41			
9:00	1066		46			
9:15	1069		46			
9:30	1071		46			
9:45	1074		47		OK	
10:00	1075/1068		48			Bleed
10:15	1072		52			
10:30	1075/1068		49			Bleed
10:45	1072		50			
11:00	1075/1068		50	Sunny		Bleed
11:15	1072		50			
11:30	1075/1065		50			Bleed
11:45	1071		52			END TEST
12:00	1075/1067		52			100% hold down

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Red Temp/Blue Pressure
CHART NO. MC MP-3000-ISO F 75DIV

METER 215-9009

3-23-2020
CHART PUT ON
6:30 AM

TAKEN OFF
11:15 P.M.

LOCATION Non Piggable AA-12

REMARKS AFS 5000S16
[Signature]



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

Calibration Certificate ^{#4}

Certificate Number: 194235

Customer:

1888 Industrial Services
Ault, 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