

Operator: Crestone Peak Resources

Location Name: VESSELSMINERALSNSWWMULTIWELLPAD A UNIT #1

Loc ID: 335764

Inspection: 702401942

Meter Inspection Western Midstream Partners

Meter: 100240067 - MINERALS A #2
 Field Location:
 Reason: Calibration
 Last Task Date: 5/11/2022 3:04:52PM
 Date Performed: 11/9/2022 2:31:16PM

Identification

Customer: 294404382 - CRESTONE PEAK RES Sub-Area: State ID: Township:
 Operator: 294404382 - CRESTONE PEAK RES City: Federal ID: Range:
 Company: 0001 - Western Midstream County: CO-WELD API Code: Latitude:
 Division: Rockies State: Colorado Quarter: Longitude:
 Area: Wattenberg Country: USA Section: Site Elevation:

Characteristics

Meter
 Calc. Method: AGA-3 (1992) Viscosity: 0.0102680 mPasc
 Z Method: AGA-8 Detail (1992) Relative Density: 0.7029
 Pressure Type: Absolute Heating Value: 1149.4965 Btu/scf
 Atmos. Press: 12.200 psia CO2: 3.4214 %
 Pressure Base: 14.730 psia N2: 0.5092 %
 Temp. Base: 60 °F Sp. Heat Ratio: 1.3

Orifice
 Plate Size: 1.2500 in Tap Type: Flange
 Plate Serial: Fitting Type: Single Chamber
 Tube ID: 3.0690 in Tap Location: Upstream
 Tube Serial:
 Beta Ratio: 0.407

Inspection

Meter Inspection			
	Found	Left	Average
Differential:	0.000	0.000	0.000 inH2O
Pressure:	72.483	73.572	75.497 psi
Temperature:	48.639	48.282	70.580 °F
RTU Flow Rate:	0	0 Mcfh	
Flow Duration:	Day		
Use Averages:	No		
Calc. Volume:	0.000	0.000	0.000 Mcf
Meter Time:			

Orifice Inspection

Plate Inspected: Yes Plate Size Found: 1.2500 in
 Reason: Size Measured: 1.2500 in
 Edge Smooth: Yes Size RTU: 1.2500 in
 Edge Sharp: Yes Tube ID Found: 3.0690 in
 Surface Smooth: Yes ID RTU: 3.0690 in
 Clean: Yes Beta Ratio: 0.407
 Flat: Yes Plate Changed: No
 Beveled: Yes New Plate Serial:
 Bevel DS: Yes New Plate Size:
 Details: New Beta Ratio:
 Seal Inspection: Good
 Leak Test:

Notes

Technician: Tyler Talbott / Western Midstream Witness:

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Equipment

Meter	Brand	Model	Serial	Dev Range	Cal Range	Accuracy	Last Cert. Date
Meter:	GWA-Daniel	SIMPLEX					
DP Trans.:	GWA-Totalflow	6213Y IMV		0 - 250 inH2O	0 - 250 inH2O	0.08%	
DP Cal. Dev.:	HEISE	HQS-2FM	HQS-60314 (fse609)		0 - 250 inH2O	0.03%	9/20/2022 0:00:00
SP Trans.:	GWA-Totalflow	6213Y IMV		0 - 312 psia	12 - 312 psia	0.08%	
SP Cal. Dev.:	HEISE	HQS-2FM (fse609)	38415 (PSIA) (fse60)		0 - 500 psia	0.04%	10/6/2022 0:00:00
TMP Trans.:	GWA-Totalflow	6213Y IMV		0 - 150 °F	0 - 150 °F	0.08%	
TMP Cal. Dev.:	Thermoprobe	TL1-A	1-16487 (fse609)		0.10 °F		10/10/2022 0:00:00

Additional Characteristics

Meter
 Fluid Phase: Gas Measurement Type:
 Meter Type: Orifice Run Number:
 Nominal Size: 3.069 in Temperature Type:
 Contract Hour: 9 Dehydrated:
 Meter Purpose: Custody Transfer Dehyd. Date:
 Min. Flow Rate: 0 Mcfh Full Wellstream:
 Max Flow Rate: 0 Mcfh Wstm. Date:

Orifice
 Plate Ref. Temp.: 68 °F Tube Ref. Temp.: 68 °F
 Plate Material: 304 Stainless Steel Tube Material: Carbon Steel
 Plate Exp. Factor: 0.0000961 °F Tube Exp. Factor: 0.000062 °F

Additional Inspection

Meter Inspection
 Gas Flowing: No Open Closed
 Meter Status: Active Run Switch Valve:
 Found Left Valve Leak Check: Yes
 Station Leak Test: Yes
 Battery Voltage: Ambient Temp.:

EFM
 EFM ID: Serial:
 Name: FW Version:
 Brand: Model:
Custom Fields
 - Meter Inspection -
 Upstream Valve:
 Downstream Valve

Analysis
 CO2: 3.4214 IC5: .2183 Ar: - C6/C7+ Split -
 N2: 0.5092 nCS: 0.2230 CO: C6:
 C1: 82.1660 C6: 0.5243 H2: C7:
 C2: 9.4032 C7: 0.2332 O2: C8:
 C3: 2.2675 C8: 0.1167 He: C9:
 IC4: 0.3268 C9: 0.0358 H2O: 0.1220 C10:
 nC4: 0.4326 C10: HZS: Total:
 Total: 100.0000

Technicians & Witnesses

Technician/Company: Tyler Talbott / Western Midstream Witness/Company:
 (Tyler.Talbott@westernmidstream.com)

Exhibit A

CA: Card indicates that calibration is not current. Comply with rule 430.

CA Resolution: Operator reached out to Western Midstream to follow-up on the calibration records. Western Midstream responded, stating that the meter appears to have been no flow since 10/1/21 and was inspected on 11/9/22 as illustrated in the test report above. Western will get the card updated and noted that the tech must have forgotten to update when they were on location. This update will put location in compliance with Rule 430.