



Certificate of Analysis
Number: 2500-25080050-008A

Greeley Laboratory
2881 S. 31st Ave
Unit 6-8
Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Station Name: ANT FED 34-20-17XRLNC GPM
Station Number: 68005067
Station Location: ANT O-20 Pad
Sample Point: Meter Tube Run
Cylinder No: 917
Instrument: Agilent 990, 1
Analyzed: 08/12/2025 14:10:14 by ACR

Report Date: 08/12/2025
Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Conditions: 177.78 psia, @ 126.92 °F
Sample Date: 07/11/2025 09:12
Received Date: 08/04/2025
Login Date: 08/06/2025
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+	8.730
Nitrogen	0.5767	0.653		GPM TOTAL C3+	4.953
Carbon Dioxide	2.3542	4.187		GPM TOTAL iC5+	0.927
Methane	66.7822	43.302			
Ethane	14.0535	17.079	3.777		
Propane	9.7594	17.393	2.702		
Iso-butane	1.0244	2.406	0.337		
n-Butane	3.1146	7.316	0.987		
Iso-pentane	0.5686	1.658	0.209		
n-Pentane	0.7599	2.216	0.277		
Hexanes Plus	1.0064	3.790	0.441		
	100.0000	100.000	8.730		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8583	3.2176
Calculated Molecular Weight	24.74	93.19
Compressibility Factor	0.9949	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1419	5141
Water Sat. Gas Base BTU	1395	5052

Comments: H2S Field Content: 0.50 ppm

Ryleigh Jacobs

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.