



Certificate of Analysis
 Number: 2500-25050268-002A

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: 1599
 Instrument: Agilent 990, 1
 Analyzed: 06/02/2025 12:21:05 by VRM

Report Date: 06/02/2025
 Sampled By: Russ Fox
 Sample Of: Gas Spot
 Sample Conditions: 171.24 psia, @ 81.50 °F
 Sample Date: 05/21/2025 12:30
 Received Date: 05/27/2025
 Login Date: 05/28/2025
 Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+	7.981
Nitrogen	0.5995	0.712		GPM TOTAL C3+	4.104
Carbon Dioxide	2.4207	4.519		GPM TOTAL iC5+	0.438
Methane	68.7105	46.762			
Ethane	14.4359	18.414	3.877		
Propane	9.3958	17.576	2.600		
Iso-butane	0.8827	2.176	0.290		
n-Butane	2.4502	6.041	0.776		
Iso-pentane	0.2979	0.912	0.109		
n-Pentane	0.3369	1.031	0.123		
Hexanes Plus	0.4698	1.857	0.206		
	100.0000	100.000	7.981		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8173	3.2176
Calculated Molecular Weight	23.57	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1353	5141
Water Sat. Gas Base BTU	1330	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.