



Certificate of Analysis

Number: 2500-25050058-004A

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 T34-20-17 XRLNB GPM
Station Number: 68005068
Station Location: ANT O-20 Pad
Sample Point: Meter Tube Run
Cylinder No: 196
Instrument: Agilent 990, 1
Analyzed: 05/07/2025 13:14:33 by ACR

Report Date: 05/07/2025
Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Conditions: 178.16 psia, @ 84.02 °F
Sample Date: 04/15/2025 11:25
Received Date: 05/02/2025
Login Date: 05/06/2025
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 8.123
Nitrogen	0.6236	0.736		GPM TOTAL C3+ 4.071
Carbon Dioxide	2.4497	4.540		GPM TOTAL iC5+ 0.632
Methane	68.3109	46.145		
Ethane	15.0852	19.100	4.052	
Propane	8.7127	16.178	2.411	
Iso-butane	0.8520	2.085	0.280	
n-Butane	2.3624	5.782	0.748	
Iso-pentane	0.4165	1.265	0.153	
n-Pentane	0.5506	1.673	0.200	
Hexanes Plus	0.6362	2.496	0.279	
	100.0000	100.000	8.123	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8234	3.2176
Calculated Molecular Weight	23.75	93.19
Compressibility Factor	0.9954	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1362	5141
Water Sat. Gas Base BTU	1339	5052

Comments: H2S Field Content: 2.25 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.