



Certificate of Analysis
 Number: 2500-25050058-002A

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 O34-K31-20HNB GPM
 Station Number: 68005066
 Station Location: ANT O-20 Pad
 Sample Point: Meter Tube Run
 Cylinder No: 11449
 Instrument: Agilent 990, 1
 Analyzed: 05/07/2025 11:55:00 by ACR

Report Date: 05/07/2025
 Sampled By: Russ Fox
 Sample Of: Gas Spot
 Sample Conditions: 191.59 psia, @ 83.31 °F
 Sample Date: 04/15/2025 13:35
 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+	7.755
Nitrogen	0.6026	0.722	GPM TOTAL C3+	3.823
Carbon Dioxide	2.4808	4.671	GPM TOTAL iC5+	0.532
Methane	69.5236	47.717		
Ethane	14.6394	18.832	3.932	
Propane	8.1748	15.422	2.262	
Iso-butane	0.8239	2.049	0.271	
n-Butane	2.3944	5.954	0.758	
Iso-pentane	0.3918	1.209	0.144	
n-Pentane	0.4859	1.500	0.177	
Hexanes Plus	0.4826	1.924	0.211	
	100.0000	100.000	7.755	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8103	3.2176
Calculated Molecular Weight	23.37	93.19
Compressibility Factor	0.9956	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1341	5141
Water Sat. Gas Base BTU	1318	5052

Comments: H2S Field Content: 2.00 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.