



Certificate of Analysis
 Number: 2500-25080050-002A

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: 11405
 Instrument: Agilent 990, 1
 Analyzed: 08/12/2025 13:12:08 by ACR

Report Date: 08/12/2025
 Sampled By: Russ Fox
 Sample Of: Gas Spot
 Sample Conditions: 185.89 psia, @ 94.61 °F
 Sample Date: 07/11/2025 10:06
 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+	8.713
Nitrogen	0.5607	0.641		GPM TOTAL C3+	4.860
Carbon Dioxide	2.3454	4.213		GPM TOTAL iC5+	0.611
Methane	66.5231	43.557			
Ethane	14.3403	17.599	3.853		
Propane	10.2557	18.457	2.839		
Iso-butane	1.1014	2.613	0.362		
n-Butane	3.3088	7.849	1.048		
Iso-pentane	0.4828	1.422	0.177		
n-Pentane	0.5414	1.594	0.197		
Hexanes Plus	0.5403	2.055	0.237		
	100.0000	100.000	8.713		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8498	3.2176
Calculated Molecular Weight	24.50	93.19
Compressibility Factor	0.9951	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1406	5141
Water Sat. Gas Base BTU	1382	5052

Comments: H2S Field Content: 1.00 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.