



Certificate of Analysis  
 Number: 2500-25080050-003A

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 44-20-17 XRLNC GPM  
 Station Number: 68005071  
 Station Location: ANT O-20 Pad  
 Sample Point: Meter Tube Run  
 Cylinder No: 826  
 Instrument: Agilent 990, 1  
 Analyzed: 08/12/2025 13:21:47 by ACR

Report Date: 08/12/2025  
 Sampled By: Russ Fox  
 Sample Of: Gas Spot  
 Sample Conditions: 177.64 psia, @ 104.85 °F  
 Sample Date: 07/10/2025 10:58  
 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+	8.093
Nitrogen	0.5773	0.676		GPM TOTAL C3+	4.347
Carbon Dioxide	2.3877	4.389		GPM TOTAL iC5+	0.726
Methane	68.7245	46.055			
Ethane	13.9435	17.513	3.746		
Propane	9.0151	16.605	2.495		
Iso-butane	0.8774	2.130	0.288		
n-Butane	2.6476	6.428	0.838		
Iso-pentane	0.4615	1.391	0.170		
n-Pentane	0.5702	1.718	0.208		
Hexanes Plus	0.7951	3.095	0.348		
	100.0000	100.000	8.093		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8302	3.2176
Calculated Molecular Weight	23.94	93.19
Compressibility Factor	0.9953	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1374	5141
Water Sat. Gas Base BTU	1351	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.