



# Certificate of Analysis

Number: 2500-22100161-003A

**Greeley Laboratory**  
2881 S. 31st Ave  
Unit 6-8  
Greeley, CO 80631

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Nov. 07, 2022

Station Name: ANT Y44-U41-18HNC GLM  
Station Number: 66010126  
Station Location: ANT 18-I Pad  
Sample Point: Meter Tube Run  
Analyzed: 11/05/2022 11:48:12 by RHJ

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 10/26/2022 14:15  
Sample Conditions: 896.99 psig, @ 77.69 °F  
Method: GPA-2261M  
Cylinder No: 1064

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.476
Nitrogen	0.5324	0.650		GPM TOTAL C3+ 3.511
Carbon Dioxide	2.3799	4.568		GPM TOTAL iC5+ 0.415
Methane	70.5106	49.329		
Ethane	14.7654	19.362	3.965	
Propane	7.8086	15.016	2.160	
Iso-butane	0.7692	1.950	0.253	
n-Butane	2.1566	5.466	0.683	
Iso-pentane	0.3494	1.099	0.128	
n-Pentane	0.4332	1.363	0.158	
Hexanes Plus	0.2946	1.197	0.129	
	100.0000	100.000	7.476	

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.7948	3.2176
Calculated Molecular Weight	22.93	93.19
Compressibility Factor	0.9958	
<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	1320	5141
Water Sat. Gas Base BTU	1298	5052
<b>Comments:</b> H2S Field Content 0.50 ppm		

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.