



# Certificate of Analysis

Number: 2500-23030211-015A

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

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Apr. 06, 2023

Station Name: NPF A-E-22HC GLM  
Station Number: 66003999  
Station Location: NPF F-22 Pad  
Sample Point: Meter Tube Run  
Analyzed: 04/06/2023 08:25:21 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 03/27/2023 10:35  
Sample Conditions: 885.33 psig, @ 54.13 °F  
Method: GPA-2261M  
Cylinder No: 434

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	NIL		GPM TOTAL C2+ 7.459
Nitrogen	0.4382	0.519		GPM TOTAL C3+ 3.777
Carbon Dioxide	2.2847	4.253		GPM TOTAL iC5+ 1.427
Methane	71.9223	48.804		
Ethane	13.7083	17.435	3.682	
Propane	6.0202	11.228	1.666	
Iso-butane	0.5874	1.444	0.193	
n-Butane	1.5509	3.813	0.491	
Iso-pentane	0.5956	1.818	0.219	
n-Pentane	0.8018	2.447	0.292	
Hexanes Plus	2.0903	8.239	0.916	
	100.0000	100.000	7.459	

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.8198	3.2176
Calculated Molecular Weight	23.64	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	1363	5141
Water Sat. Gas Base BTU	1340	5052
<b>Comments:</b> H2S Field Content 2.50 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.