



# Certificate of Analysis

Number: 2500-23090149-015A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Sep. 22, 2023

Station Name: NPF A-E-22HC GLM  
Station Number: 66003999  
Station Location: NPF F-22 Pad  
Sample Point: Meter Tube Run  
Analyzed: 09/22/2023 10:31:24 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 09/12/2023 13:30  
Sample Conditions: 799.83 psig, @ 84.48 °F  
Method: GPA-2261M  
Cylinder No: 1544

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 6.980
Nitrogen	0.5653	0.708		GPM TOTAL C3+ 3.079
Carbon Dioxide	2.2086	4.346		GPM TOTAL iC5+ 0.394
Methane	72.3628	51.902		
Ethane	14.5317	19.536	3.901	
Propane	6.9664	13.734	1.926	
Iso-butane	0.6664	1.732	0.219	
n-Butane	1.7059	4.433	0.540	
Iso-pentane	0.2578	0.832	0.095	
n-Pentane	0.3024	0.975	0.110	
Hexanes Plus	0.4326	1.802	0.189	
	100.0000	100.000	6.980	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7751	3.2176
Calculated Molecular Weight	22.37	93.19
Compressibility Factor	0.9960	
<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	1293	5141
Water Sat. Gas Base BTU	1271	5052
<b>Comments:</b> 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.