



# Certificate of Analysis

Number: 2500-23070061-006A

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

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

July 17, 2023

Station Name: NP A11-E14-28HNB GLM  
Station Number: 66004865  
Station Location: NP I-21 Pad  
Sample Point: Meter Tube Run  
Analyzed: 07/14/2023 18:34:15 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 07/05/2023 10:05  
Sample Conditions: 914.34 psig, @ 93.70 °F  
Method: GPA-2261M  
Cylinder No: 1543

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+
Nitrogen	0.5067	0.633		GPM TOTAL C3+
Carbon Dioxide	2.2496	4.412		GPM TOTAL iC5+
Methane	72.3381	51.720		
Ethane	14.3791	19.270	3.860	
Propane	7.0000	13.757	1.936	
Iso-butane	0.6773	1.754	0.222	
n-Butane	1.8094	4.687	0.573	
Iso-pentane	0.2690	0.865	0.099	
n-Pentane	0.3187	1.025	0.116	
Hexanes Plus	0.4519	1.877	0.198	
	100.0000	100.000	7.004	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7776	3.2176
Calculated Molecular Weight	22.44	93.19
Compressibility Factor	0.9959	
<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	1297	5141
Water Sat. Gas Base BTU	1275	5052
<b>Comments:</b> H2S Field Content 2.00 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.