



# Certificate of Analysis

Number: 2500-23090221-003A

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

Tony Walton  
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4301 Industrial Parkway  
Evans, CO 80620

Sep. 29, 2023

Station Name: SA 44-21-16XRLNB GLM  
Station Number: 66004473  
Station Location: ANT T-21 Pad  
Sample Point: Meter Tube Run  
Analyzed: 09/29/2023 12:33:54 by SO

Sampled By: Micah Hershberger  
Sample Of: Gas Spot  
Sample Date: 09/07/2023 14:06  
Sample Conditions: 1239 psig, @ 79 °F  
Method: GPA-2261M  
Cylinder No: 1838

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+
Nitrogen	0.6662	0.795		GPM TOTAL C3+
Carbon Dioxide	2.1792	4.087		GPM TOTAL iC5+
Methane	70.4771	48.177		
Ethane	13.5834	17.404	3.648	
Propane	8.0526	15.131	2.228	
Iso-butane	0.7922	1.962	0.260	
n-Butane	2.3892	5.917	0.756	
Iso-pentane	0.4193	1.289	0.154	
n-Pentane	0.5389	1.657	0.196	
Hexanes Plus	0.9019	3.581	0.395	
	100.0000	100.000	7.637	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8136	3.2176
Calculated Molecular Weight	23.47	93.19
Compressibility Factor	0.9955	
<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	1352	5141
Water Sat. Gas Base BTU	1329	5052

**Comments:** H2S Field Content 0.0 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.