



Certificate of Analysis  
 Number: 2500-23100049-001A

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

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 4301 Industrial Parkway  
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Oct. 12, 2023

Station Name: SA C13-W43-2HN GPM  
 Station Number: 68018235  
 Station Location: SA B-2 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 10/11/2023 17:44:59 by RHJ

Sampled By: Micah Hershberger  
 Sample Of: Gas Spot  
 Sample Date: 09/26/2023 13:45  
 Sample Conditions: 203 psig, @ 108 °F  
 Method: GPA-2261M  
 Cylinder No: 41

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL	GPM TOTAL C2+ 7.206	
Nitrogen	0.6702	0.811	GPM TOTAL C3+ 3.773	
Carbon Dioxide	2.5363	4.823	GPM TOTAL iC5+ 0.622	
Methane	71.5283	49.587		
Ethane	12.7837	16.611	3.433	
Propane	7.7434	14.755	2.142	
Iso-butane	0.7723	1.940	0.254	
n-Butane	2.3837	5.987	0.755	
Iso-pentane	0.4256	1.327	0.156	
n-Pentane	0.5479	1.708	0.199	
Hexanes Plus	0.6086	2.451	0.267	
	100.0000	100.000	7.206	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8022	3.2176
Calculated Molecular Weight	23.14	93.19
Compressibility Factor	0.9957	
<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	1325	5141
Water Sat. Gas Base BTU	1303	5052

Comments: H2S Field Content 0.00 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.