



Certificate of Analysis  
 Number: 2500-23010141-004A

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

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 4301 Industrial Parkway  
 Evans, CO 80620

Jan. 25, 2023

Station Name: ANT FED 34-20-17XRLNC GPM  
 Station Number: 68005067  
 Station Location: ANT O-20 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 01/25/2023 13:28:13 by SO

Sampled By: Russ Fox  
 Sample Of: Gas Spot  
 Sample Date: 01/13/2023 09:35  
 Sample Conditions: 139.00 psig, @ 72.36 °F  
 Method: GPA-2261M  
 Cylinder No: 1840

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+ 8.154	
Nitrogen	0.5573	0.649	GPM TOTAL C3+ 4.385	
Carbon Dioxide	2.3912	4.375	GPM TOTAL iC5+ 0.789	
Methane	68.6281	45.773		
Ethane	14.0290	17.539	3.769	
Propane	8.7401	16.024	2.419	
Iso-butane	0.9256	2.237	0.304	
n-Butane	2.7556	6.659	0.873	
Iso-pentane	0.4559	1.368	0.167	
n-Pentane	0.5741	1.722	0.209	
Hexanes Plus	0.9430	3.654	0.413	
	100.0000	100.000	8.154	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8341	3.2176
Calculated Molecular Weight	24.05	93.19
Compressibility Factor	0.9953	

**GPA 2172 Calculation:**

**Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F**

Real Gas Dry BTU	1381	5141
Water Sat. Gas Base BTU	1357	5052

**Comments:** H2S Field Content 0.75 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.