



Certificate of Analysis  
 Number: 2500-23110260-003A

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

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Dec. 05, 2023

Station Name: ANT FED 34-20-17XRLNC GPM  
 Station Number: 68005067  
 Station Location: ANT O-20 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 12/04/2023 15:46:30 by SO

Sampled By: Russ Fox  
 Sample Of: Gas Spot  
 Sample Date: 11/29/2023 15:45  
 Sample Conditions: 160.64 psig, @ 75.73 °F  
 Method: GPA-2261M  
 Cylinder No: 974

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+	7.761
Nitrogen	0.5771	0.688	GPM TOTAL C3+	4.038
Carbon Dioxide	2.3544	4.412	GPM TOTAL iC5+	0.573
Methane	69.7380	47.641		
Ethane	13.8638	17.752	3.723	
Propane	8.6853	16.309	2.403	
Iso-butane	0.8550	2.116	0.281	
n-Butane	2.4662	6.104	0.781	
Iso-pentane	0.4064	1.249	0.149	
n-Pentane	0.5054	1.553	0.184	
Hexanes Plus	0.5483	2.176	0.240	
	100.0000	100.000	7.761	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8142	3.2176
Calculated Molecular Weight	23.48	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	1350	5141
Water Sat. Gas Base BTU	1327	5052

**Comments:** 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.