



# Certificate of Analysis

Number: 2500-23100074-002A

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

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4301 Industrial Parkway  
Evans, CO 80620

Oct. 13, 2023

Station Name: ANT FED T34-20-17 XRLNB GPM  
Station Number: 68005068  
Station Location: ANT O-20 Pad  
Sample Point: Meter Tube Run  
Analyzed: 10/13/2023 11:01:28 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 10/05/2023 13:30  
Sample Conditions: 160.39 psig, @ 96.49 °F  
Method: GPA-2261M  
Cylinder No: 1053

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.560
Nitrogen	0.6107	0.723		GPM TOTAL C3+ 4.064
Carbon Dioxide	2.3761	4.420		GPM TOTAL iC5+ 0.954
Methane	70.9114	48.081		
Ethane	13.0140	16.539	3.496	
Propane	7.5553	14.081	2.091	
Iso-butane	0.7832	1.924	0.257	
n-Butane	2.4052	5.909	0.762	
Iso-pentane	0.4426	1.350	0.163	
n-Pentane	0.5789	1.765	0.211	
Hexanes Plus	1.3224	5.208	0.580	
	100.0000	100.000	7.560	

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.8204	3.2176
Calculated Molecular Weight	23.66	93.19
Compressibility Factor	0.9954	
<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	1359	5141
Water Sat. Gas Base BTU	1336	5052
<b>Comments:</b> H2S Field Content 1.50 ppm		

Data reviewed by: Carson Souther, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.