



# Certificate of Analysis

Number: 2500-21100205-003A

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

Tony Walton  
Bonanza Creek  
4301 Industrial Parkway  
Evans, CO 80620

Nov. 04, 2021

Station Name: ANT Y44-U41-18HNC GPM  
Station Number: 68011085  
Station Location: ANT 18-I Pad  
Sample Point: Meter Tube Run  
Analyzed: 11/04/2021 07:22:09 by RGA

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 10/27/2021 14:04  
Sample Conditions: 72.89 psig, @ 69.41 °F  
Method: GPA-2261M  
Cylinder No: 2500-00656

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	ND		GPM TOTAL C2+ 7.520
Nitrogen	0.4459	0.539		GPM TOTAL C3+ 3.716
Carbon Dioxide	2.3602	4.478		GPM TOTAL iC5+ 0.629
Methane	70.7399	48.928		
Ethane	14.1656	18.364	3.804	
Propane	7.5991	14.447	2.102	
Iso-butane	0.8099	2.030	0.266	
n-Butane	2.2723	5.694	0.719	
Iso-pentane	0.4446	1.383	0.163	
n-Pentane	0.5882	1.830	0.214	
Hexanes Plus	0.5742	2.307	0.252	
	100.0000	100.000	7.520	

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.8040	3.2176
Calculated Molecular Weight	23.19	93.19
Compressibility Factor	0.9956	
<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	1337	5141
Water Sat. Gas Base BTU	1314	5052
<b>Comments:</b> H2S Field Content 0.50 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.