



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	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8040	3.2176
Calculated Molecular Weight	23.19	93.19
Compressibility Factor	0.9956	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1337	5141
Water Sat. Gas Base BTU	1314	5052

Comments: 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.