



# Certificate of Analysis

Number: 2500-23030211-004A

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

Tony Walton  
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4301 Industrial Parkway  
Evans, CO 80620

Apr. 06, 2023

Station Name: NPF A-E-22 HC GPM  
Station Number: 68003987  
Station Location: NPF K-22 Pad  
Sample Point: Meter Tube Run  
Analyzed: 04/04/2023 12:55:15 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 03/24/2023 09:00  
Sample Conditions: 117.76 psig, @ 48.57 °F  
Method: GPA-2261M  
Cylinder No: 12

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.153
Nitrogen	0.4139	0.512		GPM TOTAL C3+ 3.280
Carbon Dioxide	2.3797	4.620		GPM TOTAL iC5+ 0.470
Methane	71.8671	50.862		
Ethane	14.4244	19.134	3.873	
Propane	7.0044	13.626	1.937	
Iso-butane	0.7601	1.949	0.250	
n-Butane	1.9687	5.048	0.623	
Iso-pentane	0.3027	0.963	0.111	
n-Pentane	0.3517	1.119	0.128	
Hexanes Plus	0.5271	2.167	0.231	
	100.0000	100.000	7.153	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7856	3.2176
Calculated Molecular Weight	22.67	93.19
Compressibility Factor	0.9959	
<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	1308	5141
Water Sat. Gas Base BTU	1286	5052

**Comments:** H2S Field Content 2.00 ppm

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.