



Certificate of Analysis  
 Number: 2500-22050190-005A

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

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 4301 Industrial Parkway  
 Evans, CO 80620

June 07, 2022

Station Name: NP E14-A11-23HNB GPM  
 Station Number: 68004533  
 Station Location: SNP F-26 PAD  
 Sample Point: Meter Tube Run  
 Analyzed: 05/31/2022 13:22:10 by SO

Sampled By: Russ Fox  
 Sample Of: Gas Spot  
 Sample Date: 05/16/2022 10:15  
 Sample Conditions: 139.03 psig, @ 81.10 °F  
 Method: GPA-2261M  
 Cylinder No: 674

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+ 7.793	
Nitrogen	0.3609	0.430	GPM TOTAL C3+ 3.959	
Carbon Dioxide	2.1977	4.117	GPM TOTAL iC5+ 0.732	
Methane	70.1559	47.913		
Ethane	14.2763	18.274	3.834	
Propane	7.7294	14.509	2.139	
Iso-butane	0.8793	2.176	0.289	
n-Butane	2.5242	6.246	0.799	
Iso-pentane	0.5313	1.632	0.195	
n-Pentane	0.7061	2.169	0.257	
Hexanes Plus	0.6388	2.534	0.280	
	100.0000	100.000	7.793	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8144	3.2176
Calculated Molecular Weight	23.49	93.19
Compressibility Factor	0.9955	

**GPA 2172 Calculation:**  
**Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F**  
 Real Gas Dry BTU 1358 5141  
 Water Sat. Gas Base BTU 1335 5052

**Comments:** H2S Field Content 0.75 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.