



Certificate of Analysis  
 Number: 2500-25070108-006A

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

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 4301 Industrial Parkway  
 Evans, CO 80620

July 17, 2025

Station Name: NPF A-E-22 HC GPM  
 Station Number: 68003987  
 Station Location: NPF K-22 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 07/17/2025 09:23:46 by ACR

Sampled By: Russ Fox  
 Sample Of: Gas Spot  
 Sample Date: 06/17/2025 11:04  
 Sample Conditions: 116.24 psig, @ 75.05 °F  
 Method: GPA-2261M  
 Cylinder No: 1644

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL	GPM TOTAL C2+ 7.965	
Nitrogen	0.4863	0.575	GPM TOTAL C3+ 4.070	
Carbon Dioxide	2.3211	4.313	GPM TOTAL iC5+ 0.730	
Methane	69.2903	46.938		
Ethane	14.5022	18.413	3.895	
Propane	8.4940	15.815	2.350	
Iso-butane	0.9065	2.225	0.298	
n-Butane	2.1868	5.367	0.692	
Iso-pentane	0.3678	1.120	0.135	
n-Pentane	0.5087	1.550	0.185	
Hexanes Plus	0.9363	3.684	0.410	
	100.0000	100.000	7.965	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8212	3.2176
Calculated Molecular Weight	23.68	93.19
Compressibility Factor	0.9954	

**GPA 2172 Calculation:**  
**Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F**  
 Real Gas Dry BTU 1364 5141  
 Water Sat. Gas Base BTU 1340 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.