



Certificate of Analysis  
 Number: 2500-25070108-008A

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 31-34-22 HNB GPM  
 Station Number: 68004619  
 Station Location: NPF K-22 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 07/17/2025 09:45:00 by ACR

Sampled By: Russ Fox  
 Sample Of: Gas Spot  
 Sample Date: 06/19/2025 11:40  
 Sample Conditions: 131.54 psig, @ 80.46 °F  
 Method: GPA-2261M  
 Cylinder No: 11418

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL	GPM TOTAL C2+ 7.656	
Nitrogen	0.4028	0.482	GPM TOTAL C3+ 3.834	
Carbon Dioxide	2.4187	4.547	GPM TOTAL iC5+ 0.717	
Methane	70.3715	48.219		
Ethane	14.2316	18.278	3.822	
Propane	7.5757	14.268	2.096	
Iso-butane	0.8443	2.096	0.277	
n-Butane	2.3511	5.837	0.744	
Iso-pentane	0.4500	1.387	0.165	
n-Pentane	0.5612	1.729	0.204	
Hexanes Plus	0.7931	3.157	0.348	
	100.0000	100.000	7.656	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8117	3.2176
Calculated Molecular Weight	23.41	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	1348	5141
Water Sat. Gas Base BTU	1325	5052

**Comments:** H2S Field Content 1.25 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.