



Certificate of Analysis

Number: 2500-25070108-008A

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

Tony Walton
Civitas Resources
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 ft³ @ 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		

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.