



Certificate of Analysis
 Number: 2500-25100009-007A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

Station Name: NPF 31-34-22 HNB GPM	Report Date: 10/07/2025
Station Number: 68004619	Sampled By: Russ Fox
Station Location: NPF K-22 Pad	Sample Of: Gas Spot
Sample Point: Meter Tube Run	Sample Conditions: 149.15 psia, @ 76.64 °F
Cylinder No: 11418	Sample Date: 09/16/2025 13:20
Instrument: Agilent 990, 1	Received Date: 09/26/2025
Analyzed: 10/07/2025 09:30:42 by ACR	Login Date: 10/01/2025
	Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+	7.517
Nitrogen	0.4074	0.491		GPM TOTAL C3+	3.756
Carbon Dioxide	2.3784	4.501		GPM TOTAL iC5+	0.673
Methane	70.8551	48.881			
Ethane	14.0062	18.110	3.761		
Propane	7.5249	14.269	2.082		
Iso-butane	0.8243	2.060	0.271		
n-Butane	2.3072	5.767	0.730		
Iso-pentane	0.4371	1.356	0.161		
n-Pentane	0.5312	1.648	0.193		
Hexanes Plus	0.7280	2.917	0.319		
	100.0000	100.000	7.517		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8062	3.2176
Calculated Molecular Weight	23.25	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1340	5141
Water Sat. Gas Base BTU	1317	5052

Comments: H2S Field Content: 2.00 ppm

Data reviewed by: Matthew Loveley, Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.