



Certificate of Analysis
 Number: 2500-25040069-001A

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: 04/07/2025
Station Number: 68004619	Sampled By: Russ Fox
Station Location: NPF K-22 Pad	Sample Of: Gas Spot
Sample Point: Meter Tube Run	Sample Conditions: 110.18 psia, @ 57.53 °F
Cylinder No: 1440	Sample Date: 03/20/2025 12:15
Instrument: Greeley microGC, 1	Received Date: 04/03/2025
Analyzed: 04/04/2025 16:20:24 by ACR	Login Date: 04/03/2025
	Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+	7.516
Nitrogen	0.3998	0.481		GPM TOTAL C3+	3.728
Carbon Dioxide	2.4836	4.698		GPM TOTAL iC5+	0.674
Methane	70.7545	48.789			
Ethane	14.1046	18.229	3.788		
Propane	7.4222	14.068	2.053		
Iso-butane	0.8418	2.103	0.277		
n-Butane	2.2860	5.711	0.724		
Iso-pentane	0.4284	1.329	0.157		
n-Pentane	0.5860	1.817	0.213		
Hexanes Plus	0.6929	2.775	0.304		
	100.0000	100.000	7.516		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8065	3.2176
Calculated Molecular Weight	23.27	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1338	5141
Water Sat. Gas Base BTU	1315	5052

Comments: H2S Field Content: 2.00 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. The test results apply to the sample as received.