



Certificate of Analysis

Number: 2500-25040069-011A

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 A-E-22 HC GPM
Station Number: 68003987
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Cylinder No: 10637
Instrument: Greeley microGC, 1
Analyzed: 04/07/2025 12:03:48 by ACR

Report Date: 04/07/2025
Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Conditions: 112.12 psia, @ 54.26 °F
Sample Date: 03/20/2025 12:25
Received Date: 04/03/2025
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+	7.308
Nitrogen	0.4035	0.494		GPM TOTAL C3+	3.468
Carbon Dioxide	2.4784	4.772		GPM TOTAL iC5+	0.442
Methane	71.1999	49.968			
Ethane	14.3001	18.811	3.840		
Propane	7.4233	14.320	2.053		
Iso-butane	0.8385	2.132	0.275		
n-Butane	2.2038	5.603	0.698		
Iso-pentane	0.3842	1.213	0.141		
n-Pentane	0.4826	1.523	0.176		
Hexanes Plus	0.2855	1.164	0.125		
	100.0000	100.000	7.308		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7923	3.2176
Calculated Molecular Weight	22.86	93.19
Compressibility Factor	0.9958	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1316	5141
Water Sat. Gas Base BTU	1294	5052

Comments: H2S Field Content: 1.75 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.