



Certificate of Analysis
 Number: 2500-25040069-013A

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 21-24-22 HC GPM
 Station Number: 68004616
 Station Location: NPF K-22 Pad
 Sample Point: Meter Tube Run
 Cylinder No: 1426
 Instrument: Greeley microGC, 1
 Analyzed: 04/07/2025 13:38:33 by ACR

Report Date: 04/07/2025
 Sampled By: Russ Fox
 Sample Of: Gas Spot
 Sample Conditions: 120.12 psia, @ 57.19 °F
 Sample Date: 03/20/2025 11:00
 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+	7.335
Nitrogen	0.3974	0.485		GPM TOTAL C3+	3.511
Carbon Dioxide	2.5035	4.805		GPM TOTAL iC5+	0.493
Methane	71.1418	49.769			
Ethane	14.2399	18.672	3.824		
Propane	7.4377	14.302	2.057		
Iso-butane	0.8178	2.073	0.269		
n-Butane	2.1850	5.538	0.692		
Iso-pentane	0.3946	1.241	0.145		
n-Pentane	0.5112	1.608	0.186		
Hexanes Plus	0.3709	1.507	0.162		
	100.0000	100.000	7.335		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7949	3.2176
Calculated Molecular Weight	22.93	93.19
Compressibility Factor	0.9958	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1319	5141
Water Sat. Gas Base BTU	1297	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.