



Certificate of Analysis

Number: 2500-24010031-014A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Jan. 08, 2024

Station Name: NPF A-E-22HC GLM
Station Number: 66003999
Station Location: NPF F-22 Pad
Sample Point: Meter Tube Run
Analyzed: 01/05/2024 18:09:54 by VRM

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 12/20/2023 09:35
Sample Conditions: 706.62 psig, @ 83.87 °F
Method: GPA-2261M
Cylinder No: 1612

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.430
Nitrogen	0.5837	0.710		GPM TOTAL C3+ 3.579
Carbon Dioxide	2.4401	4.665		GPM TOTAL iC5+ 0.473
Methane	70.6716	49.254		
Ethane	14.3432	18.736	3.851	
Propane	7.5739	14.509	2.095	
Iso-butane	0.8572	2.164	0.282	
n-Butane	2.3017	5.812	0.729	
Iso-pentane	0.4105	1.287	0.151	
n-Pentane	0.4909	1.539	0.179	
Hexanes Plus	0.3271	1.324	0.143	
	100.0000	100.000	7.430	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7979	3.2176
Calculated Molecular Weight	23.02	93.19
Compressibility Factor	0.9957	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1323	5141
Water Sat. Gas Base BTU	1300	5052
Comments: H2S Field Content 1.00 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.