



Certificate of Analysis

Number: 2500-23080081-004A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Aug. 10, 2023

Station Name: NP 21-24-34 HNB GLM
Station Number: 66010357
Station Location: NP T-27 Pad
Sample Point: Meter Tube Run
Analyzed: 08/10/2023 13:38:15 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/03/2023 10:45
Sample Conditions: 981.01 psig, @ 90.08 °F
Method: GPA-2261M
Cylinder No: 1940

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.169
Nitrogen	0.4749	0.586		GPM TOTAL C3+ 3.334
Carbon Dioxide	2.2002	4.262		GPM TOTAL iC5+ 0.568
Methane	72.0295	50.864		
Ethane	14.2840	18.905	3.835	
Propane	6.9713	13.531	1.928	
Iso-butane	0.7049	1.803	0.232	
n-Butane	1.9161	4.902	0.606	
Iso-pentane	0.3219	1.022	0.118	
n-Pentane	0.4048	1.286	0.147	
Hexanes Plus	0.6922	2.839	0.303	
	100.0000	100.000	7.169	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7874	3.2176
Calculated Molecular Weight	22.72	93.19
Compressibility Factor	0.9958	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1314	5141
Water Sat. Gas Base BTU	1292	5052
Comments: H2S Field Content 1.50 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.