



Certificate of Analysis

Number: 2500-23010142-001A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Jan. 27, 2023

Station Name: NPF 21-24-22 HC GLM
Station Number: 66004626
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 01/27/2023 06:58:03 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 01/10/2023 15:45
Sample Conditions: 879.50 psig, @ 108.98 °F
Method: GPA-2261M
Cylinder No: 1253

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+
Nitrogen	0.4507	0.565		GPM TOTAL C3+
Carbon Dioxide	2.2092	4.347		GPM TOTAL iC5+
Methane	72.8557	52.258		
Ethane	14.1843	19.070	3.808	
Propane	6.7494	13.307	1.867	
Iso-butane	0.6563	1.706	0.216	
n-Butane	1.6891	4.390	0.535	
Iso-pentane	0.3031	0.978	0.111	
n-Pentane	0.4037	1.302	0.147	
Hexanes Plus	0.4985	2.077	0.218	
	100.0000	100.000	6.902	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7751	3.2176
Calculated Molecular Weight	22.37	93.19
Compressibility Factor	0.9960	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1295	5141
Water Sat. Gas Base BTU	1273	5052

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.