



Certificate of Analysis

Number: 2500-23090149-013A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Sep. 22, 2023

Station Name: NPF A-E-22 HC GPM
Station Number: 68003987
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 09/22/2023 10:12:04 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 09/05/2023 10:50
Sample Conditions: 161.93 psig, @ 78.51 °F
Method: GPA-2261M
Cylinder No: 4

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3972	0.476		GPM TOTAL C3+
Carbon Dioxide	2.3408	4.411		GPM TOTAL iC5+
Methane	70.7667	48.606		
Ethane	14.3321	18.451	3.849	
Propane	7.1588	13.515	1.981	
Iso-butane	0.8096	2.015	0.266	
n-Butane	2.2286	5.546	0.706	
Iso-pentane	0.4262	1.317	0.157	
n-Pentane	0.5335	1.648	0.194	
Hexanes Plus	1.0064	4.015	0.441	
	100.0000	100.000	7.594	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8098	3.2176
Calculated Molecular Weight	23.36	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1347	5141
Water Sat. Gas Base BTU	1324	5052
Comments: H2S Field Content 1.00 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.