



Certificate of Analysis

Number: 2500-23050203-003A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

June 02, 2023

Station Name: NP K21-35-2MRLNC GPM
Station Number: 68004692
Station Location: SNP O-26 Pad
Sample Point: Meter Tube Run
Analyzed: 06/01/2023 14:34:27 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 05/15/2023 13:05
Sample Conditions: 139.03 psig, @ 97.21 °F
Method: GPA-2261M
Cylinder No: 1889

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 8.145
Nitrogen	0.4357	0.509		GPM TOTAL C3+ 4.172
Carbon Dioxide	2.2948	4.214		GPM TOTAL iC5+ 0.936
Methane	68.9821	46.180		
Ethane	14.7891	18.557	3.973	
Propane	7.8778	14.496	2.180	
Iso-butane	0.8446	2.048	0.278	
n-Butane	2.4552	5.955	0.778	
Iso-pentane	0.4832	1.455	0.178	
n-Pentane	0.6368	1.917	0.232	
Hexanes Plus	1.2006	4.669	0.526	
	100.0000	100.000	8.145	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8310	3.2176
Calculated Molecular Weight	23.96	93.19
Compressibility Factor	0.9953	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1380	5141
Water Sat. Gas Base BTU	1357	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.