



Certificate of Analysis

Number: 2500-23080081-002A

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 P31-T34-34HC GPM
Station Number: 68011407
Station Location: NP T-27 Pad
Sample Point: Meter Tube Run
Analyzed: 08/10/2023 13:11:10 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/02/2023 13:50
Sample Conditions: 191.56 psig, @ 81.60 °F
Method: GPA-2261M
Cylinder No: 1260

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.866
Nitrogen	0.4143	0.494		GPM TOTAL C3+ 3.847
Carbon Dioxide	2.3040	4.315		GPM TOTAL iC5+ 0.732
Methane	69.6965	47.586		
Ethane	14.9650	19.150	4.019	
Propane	7.6889	14.429	2.127	
Iso-butane	0.8199	2.028	0.269	
n-Butane	2.2695	5.614	0.719	
Iso-pentane	0.4473	1.373	0.164	
n-Pentane	0.5791	1.778	0.211	
Hexanes Plus	0.8153	3.233	0.357	
	100.0000	100.000	7.866	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8147	3.2176
Calculated Molecular Weight	23.50	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1355	5141
Water Sat. Gas Base BTU	1332	5052
Comments: H2S Field Content 1.75 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.