



Certificate of Analysis

Number: 2500-23090153-003A

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: Helton 1724B GPM
Station Number: 68012657
Station Location: Helton 5-63-27 Pad
Sample Point: Meter Tube Run
Analyzed: 09/22/2023 12:56:31 by SO

Sampled By: Paul Renslow
Sample Of: Gas Spot
Sample Date: 09/15/2023 10:20
Sample Conditions: 145.12 psig, @ 89.51 °F
Method: GPA-2261M
Cylinder No: 1505

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.712
Nitrogen	0.3972	0.474		GPM TOTAL C3+ 3.861
Carbon Dioxide	2.2733	4.262		GPM TOTAL iC5+ 0.810
Methane	70.4285	48.133		
Ethane	14.3373	18.365	3.851	
Propane	7.4103	13.920	2.050	
Iso-butane	0.8132	2.013	0.267	
n-Butane	2.3168	5.736	0.734	
Iso-pentane	0.4500	1.383	0.165	
n-Pentane	0.5934	1.824	0.216	
Hexanes Plus	0.9799	3.890	0.429	
	100.0000	100.000	7.712	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8139	3.2176
Calculated Molecular Weight	23.47	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 0.50 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.