



Certificate of Analysis

Number: 2500-22090055-006A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Sep. 15, 2022

Station Name: Helton 1724B GPM
Station Number: 68012657
Station Location: Helton 5-63-27 Pad
Sample Point: Meter Tube Run
Analyzed: 09/14/2022 21:13:09 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/31/2022 14:30
Sample Conditions: 146.57 psig, @ 112.56 °F
Method: GPA-2261M
Cylinder No: 2500-01836

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.4602	0.552		GPM TOTAL C3+
Carbon Dioxide	2.2322	4.208		GPM TOTAL iC5+
Methane	70.8577	48.691		
Ethane	14.0295	18.069	3.768	
Propane	7.2158	13.629	1.996	
Iso-butane	0.8283	2.062	0.272	
n-Butane	2.3940	5.960	0.758	
Iso-pentane	0.5077	1.569	0.186	
n-Pentane	0.6946	2.147	0.253	
Hexanes Plus	0.7799	3.113	0.342	
	100.0000	100.000	7.575	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8094	3.2176
Calculated Molecular Weight	23.35	93.19
Compressibility Factor	0.9955	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1348	5141
Water Sat. Gas Base BTU	1325	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.