



Certificate of Analysis

Number: 2500-22030059-005A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Mar. 10, 2022

Station Name: Fiducial 6-62-34-6457BH2
Station Number: 18776
Station Location: Fiducial 6-62-34 SWSW
Sample Point: Tube
Analyzed: 03/10/2022 08:00:07 by SO

Sampled By: Cody Payton
Sample Of: Gas Spot
Sample Date: 03/04/2022 09:00
Sample Conditions: 157.11 psig, @ 62.13 °F
Method: GPA-2261M
Cylinder No: 2500-00614

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	NIL		GPM TOTAL C2+ 7.643
Nitrogen	0.6516	0.777		GPM TOTAL C3+ 4.107
Carbon Dioxide	2.6178	4.902		GPM TOTAL iC5+ 0.482
Methane	69.7755	47.634		
Ethane	13.1664	16.847	3.536	
Propane	8.8696	16.643	2.454	
Iso-butane	0.9121	2.256	0.300	
n-Butane	2.7520	6.806	0.871	
Iso-pentane	0.4281	1.314	0.157	
n-Pentane	0.5098	1.565	0.186	
Hexanes Plus	0.3168	1.256	0.139	
	100.0000	100.000	7.643	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8147	3.2176
Calculated Molecular Weight	23.50	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1343	5141
Water Sat. Gas Base BTU	1320	5052
Comments: H2S Field Content 2.5 ppm		

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.