



Certificate of Analysis

Number: 2500-23010141-005A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Jan. 25, 2023

Station Name: ANT FED T34-20-17 XRLNB GPM
Station Number: 68005068
Station Location: ANT O-20 Pad
Sample Point: Meter Tube Run
Analyzed: 01/25/2023 13:35:34 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 01/12/2023 14:00
Sample Conditions: 124.12 psig, @ 84.43 °F
Method: GPA-2261M
Cylinder No: 647

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 8.031
Nitrogen	0.5623	0.654		GPM TOTAL C3+ 4.377
Carbon Dioxide	2.3620	4.317		GPM TOTAL iC5+ 0.949
Methane	69.2936	46.162		
Ethane	13.6014	16.983	3.654	
Propane	8.1845	14.986	2.265	
Iso-butane	0.8916	2.152	0.293	
n-Butane	2.7484	6.633	0.870	
Iso-pentane	0.4964	1.487	0.182	
n-Pentane	0.6526	1.955	0.238	
Hexanes Plus	1.2071	4.671	0.529	
	100.0000	100.000	8.031	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8352	3.2176
Calculated Molecular Weight	24.08	93.19
Compressibility Factor	0.9952	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1383	5141
Water Sat. Gas Base BTU	1359	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.