



Certificate of Analysis

Number: 2500-22100158-004A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Nov. 04, 2022

Station Name: ANT FED O34-K31-20HNB GPM
Station Number: 68005066
Station Location: ANT O-20 Pad
Sample Point: Meter Tube Run
Analyzed: 11/03/2022 14:37:27 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 10/19/2022 10:15
Sample Conditions: 111.78 psig, @ 105.49 °F
Method: GPA-2261M
Cylinder No: 1882

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.8720	0.974		GPM TOTAL C3+
Carbon Dioxide	2.4284	4.260		GPM TOTAL iC5+
Methane	67.1935	42.965		
Ethane	13.6420	16.350	3.667	
Propane	8.3020	14.591	2.299	
Iso-butane	0.9590	2.222	0.315	
n-Butane	3.2187	7.457	1.020	
Iso-pentane	0.7295	2.098	0.268	
n-Pentane	0.9265	2.664	0.338	
Hexanes Plus	1.7283	6.419	0.758	
	100.0000	100.000	8.665	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8705	3.2176
Calculated Molecular Weight	25.09	93.19
Compressibility Factor	0.9948	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1431	5141
Water Sat. Gas Base BTU	1407	5052

Comments: H2S Field Content 0.75 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.