



Certificate of Analysis

Number: 2500-22010160-005A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Jan. 26, 2022

Station Name: ANT FED O34-K31-20HNB GPM
Station Number: 68005066
Station Location: ANT O-20 Pad
Sample Point: Meter Tube Run
Analyzed: 01/26/2022 12:11:10 by RGA

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 01/11/2022 10:15
Sample Conditions: 126.19 psig, @ 101.03 °F
Method: GPA-2261M
Cylinder No: 2500-00628

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+
Nitrogen	0.6272	0.747		GPM TOTAL C3+
Carbon Dioxide	2.3019	4.306		GPM TOTAL iC5+
Methane	70.6817	48.194		
Ethane	13.1338	16.785	3.527	
Propane	7.8342	14.683	2.168	
Iso-butane	0.8340	2.060	0.274	
n-Butane	2.6024	6.429	0.824	
Iso-pentane	0.5106	1.566	0.188	
n-Pentane	0.6796	2.084	0.247	
Hexanes Plus	0.7944	3.146	0.348	
	100.0000	100.000	7.576	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8157	3.2176
Calculated Molecular Weight	23.53	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1353	5141
Water Sat. Gas Base BTU	1330	5052
Comments: H2S Field Content 2.00 ppm		

Data reviewed by: Carson Souther, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.