



Certificate of Analysis
 Number: 2500-22040161-008A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

Apr. 28, 2022

Station Name: ANT FED 44-20-17 XRLNB GPM
 Station Number: 68005071
 Station Location: ANT O-20 Pad
 Sample Point: Meter Tube Run
 Analyzed: 04/27/2022 15:07:44 by SO

Sampled By: Russ Fox
 Sample Of: Gas Spot
 Sample Date: 04/18/2022 13:45
 Sample Conditions: 138.92 psig, @ 101.31 °F
 Method: GPA-2261M
 Cylinder No: 2500-01868

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+	7.454
Nitrogen	0.5770	0.691	GPM TOTAL C3+	3.959
Carbon Dioxide	2.2832	4.295	GPM TOTAL iC5+	0.775
Methane	71.1758	48.803		
Ethane	13.0127	16.724	3.495	
Propane	7.6375	14.394	2.113	
Iso-butane	0.8089	2.009	0.266	
n-Butane	2.5426	6.316	0.805	
Iso-pentane	0.5036	1.553	0.185	
n-Pentane	0.6618	2.041	0.241	
Hexanes Plus	0.7968	3.174	0.349	
	100.0000	100.000	7.454	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8111	3.2176
Calculated Molecular Weight	23.40	93.19
Compressibility Factor	0.9955	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1347	5141
Water Sat. Gas Base BTU	1324	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.