



Certificate of Analysis
 Number: 2500-22010160-007A

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 34-20-17XRLNC GPM
 Station Number: 68005067
 Station Location: ANT O-20 Pad
 Sample Point: Meter Tube Run
 Analyzed: 01/26/2022 12:55:42 by RGA

Sampled By: Russ Fox
 Sample Of: Gas Spot
 Sample Date: 01/11/2022 09:15
 Sample Conditions: 127.60 psig, @ 103.85 °F
 Method: GPA-2261M
 Cylinder No: 2500-00886

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+	7.503
Nitrogen	0.5994	0.717	GPM TOTAL C3+	3.969
Carbon Dioxide	2.3096	4.339	GPM TOTAL iC5+	0.753
Methane	70.9167	48.572		
Ethane	13.1589	16.892	3.534	
Propane	7.7362	14.564	2.140	
Iso-butane	0.8169	2.027	0.268	
n-Butane	2.5507	6.329	0.808	
Iso-pentane	0.5024	1.547	0.185	
n-Pentane	0.6601	2.033	0.240	
Hexanes Plus	0.7490	2.980	0.328	
	100.0000	100.000	7.503	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8121	3.2176
Calculated Molecular Weight	23.42	93.19
Compressibility Factor	0.9955	

GPA 2172 Calculation:
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1348	5141
Water Sat. Gas Base BTU	1325	5052

Comments: H2S Field Content 1.25 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.