



Certificate of Analysis

Number: 2500-22040161-002A

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 T34-20-17 XRLNB GPM
Station Number: 68005068
Station Location: ANT O-20 Pad
Sample Point: Meter Tube Run
Analyzed: 04/27/2022 13:12:06 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 04/19/2022 11:40
Sample Conditions: 126.92 psig, @ 88.63 °F
Method: GPA-2261M
Cylinder No: 2500-00652

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.5563	0.671		GPM TOTAL C3+
Carbon Dioxide	2.2952	4.350		GPM TOTAL iC5+
Methane	71.3940	49.327		
Ethane	13.0794	16.938	3.512	
Propane	7.6506	14.529	2.116	
Iso-butane	0.7966	1.994	0.262	
n-Butane	2.4873	6.226	0.787	
Iso-pentane	0.4887	1.519	0.179	
n-Pentane	0.6384	1.984	0.232	
Hexanes Plus	0.6134	2.462	0.269	
	100.0000	100.000	7.357	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8049	3.2176
Calculated Molecular Weight	23.22	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1338	5141
Water Sat. Gas Base BTU	1315	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.