



# Certificate of Analysis

Number: 2500-22010160-003A

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 GLM  
Station Number: 66005074  
Station Location: ANT O-20 Pad  
Sample Point: Meter Tube Run  
Analyzed: 01/26/2022 10:57:56 by RGA

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 01/13/2022 10:02  
Sample Conditions: 1217.47 psig, @ 106.65 °F  
Method: GPA-2261M  
Cylinder No: 2500-00938

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+
Nitrogen	0.6737	0.852		GPM TOTAL C3+
Carbon Dioxide	2.2375	4.445		GPM TOTAL iC5+
Methane	74.2394	53.761		
Ethane	12.6490	17.168	3.395	
Propane	6.5740	13.085	1.818	
Iso-butane	0.6203	1.627	0.204	
n-Butane	1.8292	4.799	0.579	
Iso-pentane	0.3177	1.035	0.117	
n-Pentane	0.4068	1.325	0.148	
Hexanes Plus	0.4524	1.903	0.198	
	100.0000	100.000	6.459	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7676	3.2176
Calculated Molecular Weight	22.15	93.19
Compressibility Factor	0.9961	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1279	5141
Water Sat. Gas Base BTU	1257	5052

**Comments:** H2S Field Content 0.00 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.