



# Certificate of Analysis

Number: 2500-22010160-004A

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 T34-20-17 XRLNB GPM  
Station Number: 68005068  
Station Location: ANT O-20 Pad  
Sample Point: Meter Tube Run  
Analyzed: 01/26/2022 11:41:30 by RGA

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 01/10/2022 13:45  
Sample Conditions: 121.73 psig, @ 100.80 °F  
Method: GPA-2261M  
Cylinder No: 2500-00703

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.504
Nitrogen	0.5957	0.709		GPM TOTAL C3+ 4.038
Carbon Dioxide	2.2767	4.256		GPM TOTAL iC5+ 0.898
Methane	71.1274	48.472		
Ethane	12.9030	16.481	3.466	
Propane	7.5024	14.053	2.076	
Iso-butane	0.7975	1.969	0.262	
n-Butane	2.5325	6.253	0.802	
Iso-pentane	0.5426	1.663	0.199	
n-Pentane	0.7519	2.304	0.274	
Hexanes Plus	0.9701	3.840	0.425	
	100.0000	100.000	7.504	

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.8162	3.2176
Calculated Molecular Weight	23.54	93.19
Compressibility Factor	0.9955	
<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	1355	5141
Water Sat. Gas Base BTU	1332	5052
<b>Comments:</b> 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.