



# Certificate of Analysis

Number: 2500-22040162-002A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Apr. 29, 2022

Station Name: SPH W42-29-30 XRLNB GLM  
Station Number: 66004652  
Station Location: PH B-28 Pad  
Sample Point: Meter Tube Run  
Analyzed: 04/27/2022 15:24:22 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 04/21/2022 16:05  
Sample Conditions: 894.08 psig, @ 82.98 °F  
Method: GPA-2261M  
Cylinder No: 2500-01818

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+ 6.010
Nitrogen	1.0092	1.293		GPM TOTAL C3+ 2.962
Carbon Dioxide	2.1848	4.399		GPM TOTAL iC5+ 0.414
Methane	75.5476	55.446		
Ethane	11.3565	15.623	3.048	
Propane	6.5624	13.239	1.814	
Iso-butane	0.5869	1.561	0.193	
n-Butane	1.7098	4.547	0.541	
Iso-pentane	0.2565	0.847	0.094	
n-Pentane	0.3194	1.054	0.116	
Hexanes Plus	0.4669	1.991	0.204	
	100.0000	100.000	6.010	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7573	3.2176
Calculated Molecular Weight	21.86	93.19
Compressibility Factor	0.9962	
<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	1259	5141
Water Sat. Gas Base BTU	1237	5052
<b>Comments:</b> H2S Field Content 0.0 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.