



# Certificate of Analysis

Number: 2500-22080114-006A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Aug. 19, 2022

Station Name: NP K21-O24-34HNC GPM  
Station Number: 68011409  
Station Location: NP T-27 Pad  
Sample Point: Meter Tube Run  
Analyzed: 08/19/2022 07:29:10 by RHJ

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 08/04/2022 14:20  
Sample Conditions: 170.48 psig, @ 93.77 °F  
Method: GPA-2261M  
Cylinder No: 2500-00949

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+
Nitrogen	0.3419	0.408		GPM TOTAL C3+
Carbon Dioxide	2.3277	4.365		GPM TOTAL iC5+
Methane	69.8861	47.768		
Ethane	14.5253	18.608	3.901	
Propane	7.8427	14.734	2.170	
Iso-butane	0.8685	2.151	0.285	
n-Butane	2.4934	6.174	0.789	
Iso-pentane	0.4971	1.528	0.183	
n-Pentane	0.6335	1.947	0.231	
Hexanes Plus	0.5836	2.317	0.256	
	100.0000	100.000	7.815	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8138	3.2176
Calculated Molecular Weight	23.47	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	1354	5141
Water Sat. Gas Base BTU	1331	5052
<b>Comments:</b> H2S Field Content 1.75 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.