



# Certificate of Analysis

Number: 2500-22030155-009A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Mar. 23, 2022

Station Name: NPF 21-24-22 HC GPM  
Station Number: 68004616  
Station Location: NPF K-22 Pad  
Sample Point: Meter Tube Run  
Analyzed: 03/23/2022 12:04:31 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 03/11/2022 09:10  
Sample Conditions: 101.68 psig, @ 44.03 °F  
Method: GPA-2261M  
Cylinder No: 2500-00041

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3900	0.460		GPM TOTAL C3+
Carbon Dioxide	2.2748	4.216		GPM TOTAL iC5+
Methane	69.4414	46.915		
Ethane	14.4257	18.268	3.875	
Propane	7.8514	14.580	2.173	
Iso-butane	0.9391	2.299	0.309	
n-Butane	2.6861	6.575	0.851	
Iso-pentane	0.5610	1.705	0.206	
n-Pentane	0.7125	2.165	0.259	
Hexanes Plus	0.7179	2.817	0.315	
	100.0000	100.000	7.988	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8234	3.2176
Calculated Molecular Weight	23.75	93.19
Compressibility Factor	0.9954	
<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	1370	5141
Water Sat. Gas Base BTU	1346	5052
<b>Comments:</b> H2S Field Content 0.75 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.