



# Certificate of Analysis

Number: 2500-21120080-006A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Dec. 17, 2021

Station Name: NPF 21-24-22 HC GPM  
Station Number: 68004616  
Station Location: NPF K-22 Pad  
Sample Point: Meter Tube Run  
Analyzed: 12/16/2021 11:26:10 by RGA

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 12/09/2021 08:50  
Sample Conditions: 92.91 psig, @ 54.45 °F  
Method: GPA-2261M  
Cylinder No: 2500-00641

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.083
Nitrogen	0.4565	0.565		GPM TOTAL C3+ 3.365
Carbon Dioxide	2.1122	4.105		GPM TOTAL iC5+ 0.508
Methane	72.4297	51.311		
Ethane	13.8485	18.389	3.718	
Propane	6.8735	13.385	1.901	
Iso-butane	0.8512	2.185	0.280	
n-Butane	2.1360	5.482	0.676	
Iso-pentane	0.3568	1.137	0.131	
n-Pentane	0.4401	1.402	0.160	
Hexanes Plus	0.4954	2.039	0.217	
	100.0000	100.000	7.083	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7848	3.2176
Calculated Molecular Weight	22.64	93.19
Compressibility Factor	0.9958	

### GPA 2172 Calculation:

#### Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F

Real Gas Dry BTU	1313	5141
Water Sat. Gas Base BTU	1290	5052

Comments: H2S Field Content 1.75 ppm

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.