



# Certificate of Analysis

Number: 2500-22060191-006A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

June 30, 2022

Station Name: NPF F-J-22 HNC GPM  
Station Number: 68011144  
Station Location: NPF K-22 Pad  
Sample Point: Meter Tube Run  
Analyzed: 06/29/2022 17:42:18 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 06/24/2022 14:50  
Sample Conditions: 148.60 psig, @ 93.54 °F  
Method: GPA-2261M  
Cylinder No: 2500-00975

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.4152	0.515		GPM TOTAL C3+
Carbon Dioxide	2.1325	4.156		GPM TOTAL iC5+
Methane	73.0492	51.890		
Ethane	13.3695	17.800	3.589	
Propane	6.7390	13.158	1.864	
Iso-butane	0.7560	1.946	0.248	
n-Butane	2.0696	5.326	0.655	
Iso-pentane	0.4147	1.325	0.152	
n-Pentane	0.4996	1.596	0.182	
Hexanes Plus	0.5546	2.288	0.243	
	100.0000	100.000	6.933	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7827	3.2176
Calculated Molecular Weight	22.58	93.19
Compressibility Factor	0.9959	

### GPA 2172 Calculation:

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

Real Gas Dry BTU	1310	5141
Water Sat. Gas Base BTU	1287	5052

Comments: H2S Field Content 1.00 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.