



# Certificate of Analysis

Number: 2500-23060098-002A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

June 14, 2023

Station Name: SSH 34-31-6 HNB GLM  
Station Number: 66010077  
Station Location: SSH I6/T6 Pad  
Sample Point: Meter Tube Run  
Analyzed: 06/14/2023 15:22:33 by SO

Sampled By: Paul Renslow  
Sample Of: Gas Spot  
Sample Date: 06/12/2023 10:30  
Sample Conditions: 1099.75 psig, @ 67.54 °F  
Method: GPA-2261M  
Cylinder No: 1034

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.120
Nitrogen	0.5232	0.647		GPM TOTAL C3+ 3.350
Carbon Dioxide	2.1886	4.249		GPM TOTAL iC5+ 0.516
Methane	72.1164	51.037		
Ethane	14.0430	18.628	3.770	
Propane	7.1741	13.956	1.984	
Iso-butane	0.7014	1.798	0.230	
n-Butane	1.9586	5.022	0.620	
Iso-pentane	0.3180	1.012	0.117	
n-Pentane	0.3918	1.247	0.143	
Hexanes Plus	0.5847	2.404	0.256	
	100.0000	100.000	7.120	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7856	3.2176
Calculated Molecular Weight	22.67	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	1311	5141
Water Sat. Gas Base BTU	1289	5052

Comments: H2S Field Content 2.0 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.