



Certificate of Analysis  
 Number: 2500-23100240-001A

Greeley Laboratory  
 2881 S. 31st Ave  
 Unit 6-8  
 Greeley, CO 80631

Tony Walton  
 Civitas Resources  
 4301 Industrial Parkway  
 Evans, CO 80620

Nov. 01, 2023

Station Name: SA U-4-3HN GPM  
 Station Number: 68018243  
 Station Location: SA B2 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 11/01/2023 09:09:00 by SO

Sampled By: Micah Hershberger  
 Sample Of: Gas Spot  
 Sample Date: 10/06/2023 16:22  
 Sample Conditions: 206 psig, @ 112 °F  
 Method: GPA-2261M  
 Cylinder No: 1063

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL	GPM TOTAL C2+ 6.979	
Nitrogen	0.6973	0.845	GPM TOTAL C3+ 3.800	
Carbon Dioxide	2.3988	4.567	GPM TOTAL iC5+ 0.787	
Methane	72.6872	50.450		
Ethane	11.8369	15.398	3.179	
Propane	7.2980	13.922	2.019	
Iso-butane	0.7634	1.920	0.251	
n-Butane	2.3481	5.904	0.743	
Iso-pentane	0.4531	1.414	0.166	
n-Pentane	0.5896	1.840	0.215	
Hexanes Plus	0.9276	3.740	0.406	
	100.0000	100.000	6.979	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8012	3.2176
Calculated Molecular Weight	23.11	93.19
Compressibility Factor	0.9957	

**GPA 2172 Calculation:**  
**Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F**

Real Gas Dry BTU	1327	5141
Water Sat. Gas Base BTU	1304	5052

**Comments:** H2S Field Content 0 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.