



Certificate of Analysis  
 Number: 2500-23070061-005A

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

Tony Walton  
 Civitas Resources  
 4301 Industrial Parkway  
 Evans, CO 80620

July 17, 2023

Station Name: NP F-J-28 HNC GPM  
 Station Number: 68004838  
 Station Location: NP I-21 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 07/14/2023 18:02:48 by SO

Sampled By: Russ Fox  
 Sample Of: Gas Spot  
 Sample Date: 07/03/2023 11:50  
 Sample Conditions: 154.35 psig, @ 91.69 °F  
 Method: GPA-2261M  
 Cylinder No: 581

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+	7.291
Nitrogen	0.4261	0.522	GPM TOTAL C3+	3.429
Carbon Dioxide	2.2700	4.367	GPM TOTAL iC5+	0.605
Methane	71.6276	50.236		
Ethane	14.3848	18.909	3.862	
Propane	7.0744	13.637	1.957	
Iso-butane	0.7396	1.879	0.243	
n-Butane	1.9711	5.008	0.624	
Iso-pentane	0.3402	1.073	0.125	
n-Pentane	0.4152	1.310	0.151	
Hexanes Plus	0.7509	3.059	0.329	
	100.0000	100.000	7.291	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7929	3.2176
Calculated Molecular Weight	22.87	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	1322	5141
Water Sat. Gas Base BTU	1299	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.