



Certificate of Analysis

Number: 2500-23070061-001A

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 21-24-28 HNC GPM
Station Number: 68004840
Station Location: NP I-21 Pad
Sample Point: Meter Tube Run
Analyzed: 07/14/2023 17:06:14 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 07/03/2023 14:10
Sample Conditions: 154.45 psig, @ 92.33 °F
Method: GPA-2261M
Cylinder No: 37

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 8.554
Nitrogen	0.3531	0.403		GPM TOTAL C3+ 4.524
Carbon Dioxide	2.2727	4.077		GPM TOTAL iC5+ 1.203
Methane	67.9634	44.437		
Ethane	14.9960	18.378	4.030	
Propane	7.8782	14.159	2.181	
Iso-butane	0.9254	2.192	0.304	
n-Butane	2.6392	6.252	0.836	
Iso-pentane	0.5824	1.713	0.214	
n-Pentane	0.8007	2.355	0.292	
Hexanes Plus	1.5887	6.034	0.697	
	100.0000	100.000	8.554	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8511	3.2176
Calculated Molecular Weight	24.54	93.19
Compressibility Factor	0.9950	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1413	5141
Water Sat. Gas Base BTU	1390	5052
Comments: H2S Field Content 1.50 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.