



Certificate of Analysis

Number: 2500-23090149-011A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Sep. 22, 2023

Station Name: NPF 11-14-22 HNC GPM
Station Number: 68003989
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 09/22/2023 09:52:40 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 09/07/2023 10:30
Sample Conditions: 190.95 psig, @ 85.91 °F
Method: GPA-2261M
Cylinder No: 1901

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.4057	0.495		GPM TOTAL C3+
Carbon Dioxide	2.3804	4.563		GPM TOTAL iC5+
Methane	71.2010	49.749		
Ethane	14.5247	19.022	3.900	
Propane	7.2137	13.854	1.995	
Iso-butane	0.7593	1.922	0.249	
n-Butane	2.0617	5.219	0.653	
Iso-pentane	0.3544	1.114	0.130	
n-Pentane	0.4350	1.367	0.158	
Hexanes Plus	0.6640	2.695	0.291	
	100.0000	100.000	7.376	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7959	3.2176
Calculated Molecular Weight	22.96	93.19
Compressibility Factor	0.9957	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1324	5141
Water Sat. Gas Base BTU	1302	5052

Comments: H2S Field Content 1.00 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.