



Certificate of Analysis

Number: 2500-23050058-001A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

May 12, 2023

Station Name: NPF 11-14-22 HNC GPM
Station Number: 68003989
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 05/12/2023 12:50:15 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 05/02/2023 15:25
Sample Conditions: 102.92 psig, @ 74.64 °F
Method: GPA-2261M
Cylinder No: 610

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+
Nitrogen	0.3932	0.475		GPM TOTAL C3+
Carbon Dioxide	2.3773	4.514		GPM TOTAL iC5+
Methane	70.7843	48.999		
Ethane	14.4707	18.775	3.886	
Propane	7.3272	13.942	2.027	
Iso-butane	0.8297	2.081	0.273	
n-Butane	2.2216	5.572	0.703	
Iso-pentane	0.3868	1.204	0.142	
n-Pentane	0.4667	1.453	0.170	
Hexanes Plus	0.7423	2.985	0.325	
	100.0000	100.000	7.526	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8034	3.2176
Calculated Molecular Weight	23.18	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1336	5141
Water Sat. Gas Base BTU	1313	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.