



Certificate of Analysis

Number: 2500-23090149-001A

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 21-24-22 HC GPM
Station Number: 68004616
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 09/22/2023 07:31:39 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 09/06/2023 09:45
Sample Conditions: 138.79 psig, @ 78.55 °F
Method: GPA-2261M
Cylinder No: 1858

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.673
Nitrogen	0.3982	0.477		GPM TOTAL C3+ 3.761
Carbon Dioxide	2.3714	4.466		GPM TOTAL iC5+ 0.719
Methane	70.3576	48.303		
Ethane	14.5675	18.745	3.912	
Propane	7.4333	14.027	2.057	
Iso-butane	0.8244	2.051	0.271	
n-Butane	2.2549	5.609	0.714	
Iso-pentane	0.4104	1.267	0.151	
n-Pentane	0.5067	1.564	0.184	
Hexanes Plus	0.8755	3.491	0.384	
	100.0000	100.000	7.673	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8101	3.2176
Calculated Molecular Weight	23.37	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1347	5141
Water Sat. Gas Base BTU	1324	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.