



Certificate of Analysis

Number: 2500-23070057-010A

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: NPF A-E-22 HC GPM
Station Number: 68003987
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 07/14/2023 16:22:34 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 06/22/2023 10:50
Sample Conditions: 107.30 psig, @ 79.39 °F
Method: GPA-2261M
Cylinder No: 896

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+
Nitrogen	0.3980	0.478		GPM TOTAL C3+
Carbon Dioxide	2.3503	4.432		GPM TOTAL iC5+
Methane	70.5357	48.486		
Ethane	14.4787	18.655	3.888	
Propane	7.4191	14.018	2.053	
Iso-butane	0.7975	1.986	0.262	
n-Butane	2.1878	5.449	0.693	
Iso-pentane	0.4056	1.254	0.149	
n-Pentane	0.5064	1.566	0.184	
Hexanes Plus	0.9207	3.676	0.403	
	100.0000	100.000	7.632	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8091	3.2176
Calculated Molecular Weight	23.34	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1345	5141
Water Sat. Gas Base BTU	1323	5052

Comments: H2S Field Content 1.75 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.