



Certificate of Analysis

Number: 2500-23010026-003A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Jan. 11, 2023

Station Name: NPF 21-24-22 HC GPM
Station Number: 68004616
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 01/10/2023 12:45:35 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 12/21/2022 09:40
Sample Conditions: 96.21 psig, @ 40.78 °F
Method: GPA-2261M
Cylinder No: 2500-01520

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 8.353
Nitrogen	0.3813	0.448		GPM TOTAL C3+ 4.123
Carbon Dioxide	2.3929	4.420		GPM TOTAL iC5+ 0.566
Methane	67.7165	45.596		
Ethane	15.7475	19.874	4.230	
Propane	8.7393	16.174	2.418	
Iso-butane	0.9646	2.353	0.317	
n-Butane	2.5970	6.335	0.822	
Iso-pentane	0.4617	1.398	0.170	
n-Pentane	0.5728	1.735	0.209	
Hexanes Plus	0.4263	1.667	0.187	
	100.0000	100.000	8.353	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8262	3.2176
Calculated Molecular Weight	23.83	93.19
Compressibility Factor	0.9954	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1371	5141
Water Sat. Gas Base BTU	1348	5052
Comments: H2S Field Content 1.00 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.