



Certificate of Analysis

Number: 2500-23030211-006A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Apr. 06, 2023

Station Name: NPF 21-24-22 HC GPM
Station Number: 68004616
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 04/04/2023 13:50:28 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 03/23/2023 08:40
Sample Conditions: 136.57 psig, @ 51.19 °F
Method: GPA-2261M
Cylinder No: 1209

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	NIL		GPM TOTAL C2+ 7.496
Nitrogen	0.4436	0.540		GPM TOTAL C3+ 3.504
Carbon Dioxide	2.4302	4.644		GPM TOTAL iC5+ 0.542
Methane	70.6370	49.202		
Ethane	14.8658	19.409	3.992	
Propane	7.4240	14.214	2.054	
Iso-butane	0.7837	1.978	0.258	
n-Butane	2.0532	5.182	0.650	
Iso-pentane	0.3379	1.059	0.124	
n-Pentane	0.4071	1.275	0.148	
Hexanes Plus	0.6172	2.497	0.270	
	100.0000	100.000	7.496	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7983	3.2176
Calculated Molecular Weight	23.03	93.19
Compressibility Factor	0.9957	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1326	5141
Water Sat. Gas Base BTU	1304	5052
Comments: H2S Field Content 2.50 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.