



Certificate of Analysis

Number: 2500-24010031-010A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Jan. 08, 2024

Station Name: NPF F-J-22 HNC GPM
Station Number: 68003991
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 01/05/2024 17:25:00 by VRM

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 12/27/2023 14:55
Sample Conditions: 108.62 psig, @ 59.50 °F
Method: GPA-2261M
Cylinder No: 688

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.212
Nitrogen	0.4083	0.502		GPM TOTAL C3+ 3.407
Carbon Dioxide	2.4076	4.654		GPM TOTAL iC5+ 0.451
Methane	71.6235	50.473		
Ethane	14.1726	18.720	3.805	
Propane	7.2426	14.028	2.003	
Iso-butane	0.8101	2.068	0.266	
n-Butane	2.1697	5.539	0.687	
Iso-pentane	0.3916	1.241	0.144	
n-Pentane	0.4245	1.345	0.154	
Hexanes Plus	0.3494	1.430	0.153	
	100.0000	100.000	7.212	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7890	3.2176
Calculated Molecular Weight	22.77	93.19
Compressibility Factor	0.9958	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1313	5141
Water Sat. Gas Base BTU	1290	5052
Comments: H2S Field Content 1.25 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.