



Certificate of Analysis

Number: 2500-22060118-003A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

June 21, 2022

Station Name: NPF 21-24-22 HC GPM
Station Number: 68004616
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 06/20/2022 14:30:59 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 06/14/2022 08:40
Sample Conditions: 156.45 psig, @ 71.98 °F
Method: GPA-2261M
Cylinder No: 2500-01230

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.424
Nitrogen	0.3740	0.455		GPM TOTAL C3+ 3.600
Carbon Dioxide	2.2605	4.322		GPM TOTAL iC5+ 0.578
Methane	71.1992	49.626		
Ethane	14.2413	18.605	3.824	
Propane	7.3274	14.038	2.027	
Iso-butane	0.8310	2.098	0.273	
n-Butane	2.2812	5.760	0.722	
Iso-pentane	0.4508	1.413	0.166	
n-Pentane	0.5527	1.732	0.201	
Hexanes Plus	0.4818	1.951	0.211	
	100.0000	100.000	7.424	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7979	3.2176
Calculated Molecular Weight	23.02	93.19
Compressibility Factor	0.9957	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1331	5141
Water Sat. Gas Base BTU	1308	5052
Comments: H2S Field Content 1.00 ppm		

Data reviewed by: Carson Souther, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.