



Certificate of Analysis

Number: 2500-22030155-001A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Mar. 23, 2022

Station Name: NPF F-J-22 HNC GPM
Station Number: 68011144
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 03/23/2022 10:33:48 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 03/15/2022 10:00
Sample Conditions: 101.56 psig, @ 58.57 °F
Method: GPA-2261M
Cylinder No: 2500-00647

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.035
Nitrogen	0.3852	0.478		GPM TOTAL C3+ 3.301
Carbon Dioxide	2.2189	4.325		GPM TOTAL iC5+ 0.507
Methane	72.5172	51.520		
Ethane	13.9066	18.519	3.734	
Propane	6.9138	13.501	1.912	
Iso-butane	0.7439	1.915	0.244	
n-Butane	2.0147	5.186	0.638	
Iso-pentane	0.3895	1.245	0.143	
n-Pentane	0.4773	1.525	0.174	
Hexanes Plus	0.4328	1.786	0.190	
	100.0000	100.000	7.035	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7826	3.2176
Calculated Molecular Weight	22.58	93.19
Compressibility Factor	0.9959	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1308	5141
Water Sat. Gas Base BTU	1286	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.