



Certificate of Analysis

Number: 2500-21120139-001A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Jan. 04, 2022

Station Name: NPF F-J-22 HNC GPM
Station Number: 68011144
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 12/30/2021 14:38:22 by CRS

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 12/15/2021 12:50
Sample Conditions: 94.70 psig, @ 58.14 °F
Method: GPA-2261M
Cylinder No: 2500-00904

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 6.933
Nitrogen	0.4384	0.543		GPM TOTAL C3+ 3.261
Carbon Dioxide	2.1686	4.223		GPM TOTAL iC5+ 0.614
Methane	73.0496	51.862		
Ethane	13.6786	18.202	3.672	
Propane	6.0492	11.804	1.673	
Iso-butane	0.8099	2.083	0.266	
n-Butane	2.2376	5.755	0.708	
Iso-pentane	0.4454	1.422	0.164	
n-Pentane	0.5613	1.792	0.204	
Hexanes Plus	0.5612	2.314	0.246	
	100.0000	100.000	6.933	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7832	3.2176
Calculated Molecular Weight	22.60	93.19
Compressibility Factor	0.9959	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1309	5141
Water Sat. Gas Base BTU	1287	5052

Comments: H2S Field Content 1.75 ppm

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.