



Certificate of Analysis

Number: 2500-23030211-008A

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 F-J-22 HNC GPM
Station Number: 68003991
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 04/05/2023 21:51:16 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 03/28/2023 09:05
Sample Conditions: 113.55 psig, @ 29.05 °F
Method: GPA-2261M
Cylinder No: 901

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 6.154
Nitrogen	0.4337	0.562		GPM TOTAL C3+ 2.486
Carbon Dioxide	2.2492	4.580		GPM TOTAL iC5+ 0.399
Methane	75.4025	55.972		
Ethane	13.6665	19.015	3.668	
Propane	5.1879	10.585	1.434	
Iso-butane	0.4189	1.127	0.138	
n-Butane	1.6286	4.380	0.515	
Iso-pentane	0.2914	0.973	0.107	
n-Pentane	0.3117	1.041	0.113	
Hexanes Plus	0.4094	1.765	0.179	
	100.0000	100.000	6.154	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7487	3.2176
Calculated Molecular Weight	21.61	93.19
Compressibility Factor	0.9963	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1253	5141
Water Sat. Gas Base BTU	1232	5052

Comments: H2S Field Content 2.00 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.