



Certificate of Analysis

Number: 2500-22080114-003A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Aug. 19, 2022

Station Name: NP 31-34-34HNC GPM
Station Number: 68011406
Station Location: NP T-27 Pad
Sample Point: Meter Tube Run
Analyzed: 08/18/2022 14:46:19 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/04/2022 11:40
Sample Conditions: 164.95 psig, @ 86.02 °F
Method: GPA-2261M
Cylinder No: 2500-00440

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.4075	0.487		GPM TOTAL C3+
Carbon Dioxide	2.3220	4.362		GPM TOTAL iC5+
Methane	70.2632	48.116		
Ethane	14.1990	18.225	3.813	
Propane	7.6882	14.471	2.127	
Iso-butane	0.8601	2.134	0.283	
n-Butane	2.4703	6.129	0.782	
Iso-pentane	0.5064	1.560	0.186	
n-Pentane	0.6546	2.016	0.238	
Hexanes Plus	0.6286	2.500	0.275	
	100.0000	100.000	7.704	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8122	3.2176
Calculated Molecular Weight	23.43	93.19
Compressibility Factor	0.9955	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1351	5141
Water Sat. Gas Base BTU	1328	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.