



Certificate of Analysis

Number: 2500-22080114-004A

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 21-24-34HNB GPM
Station Number: 68011410
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: 08/05/2022 11:08
Sample Conditions: 165.14 psig, @ 96.13 °F
Method: GPA-2261M
Cylinder No: 2500-00935

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3436	0.398		GPM TOTAL C3+
Carbon Dioxide	2.2696	4.131		GPM TOTAL iC5+
Methane	68.1975	45.253		
Ethane	14.4251	17.941	3.875	
Propane	8.6141	15.711	2.384	
Iso-butane	1.0340	2.486	0.340	
n-Butane	3.0267	7.276	0.959	
Iso-pentane	0.6282	1.875	0.231	
n-Pentane	0.8077	2.410	0.294	
Hexanes Plus	0.6534	2.519	0.286	
	100.0000	100.000	8.369	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8385	3.2176
Calculated Molecular Weight	24.18	93.19
Compressibility Factor	0.9952	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1394	5141
Water Sat. Gas Base BTU	1370	5052

Comments: H2S Field Content 0.50 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.