



Certificate of Analysis

Number: 2500-23080081-007A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Aug. 10, 2023

Station Name: NP 21-24-34HNB GPM
Station Number: 68011410
Station Location: NP T-27 Pad
Sample Point: Meter Tube Run
Analyzed: 08/10/2023 14:12:36 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/02/2023 09:45
Sample Conditions: 170.21 psig, @ 74.40 °F
Method: GPA-2261M
Cylinder No: 1283

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 9.013
Nitrogen	0.3929	0.442		GPM TOTAL C3+ 4.921
Carbon Dioxide	2.2436	3.965		GPM TOTAL iC5+ 1.030
Methane	66.1639	42.621		
Ethane	15.2242	18.381	4.092	
Propane	9.1196	16.147	2.525	
Iso-butane	1.0899	2.544	0.358	
n-Butane	3.1830	7.428	1.008	
Iso-pentane	0.6194	1.794	0.228	
n-Pentane	0.7906	2.290	0.288	
Hexanes Plus	1.1727	4.388	0.514	
	100.0000	100.000	9.013	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8640	3.2176
Calculated Molecular Weight	24.90	93.19
Compressibility Factor	0.9948	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1434	5141
Water Sat. Gas Base BTU	1409	5052
Comments: H2S Field Content 1.50 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.