



Certificate of Analysis

Number: 2500-23080081-001A

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 P31-T34-34HNB GPM
Station Number: 68011408
Station Location: NP T-27 Pad
Sample Point: Meter Tube Run
Analyzed: 08/10/2023 13:00:09 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/03/2023 09:20
Sample Conditions: 167.43 psig, @ 77.58 °F
Method: GPA-2261M
Cylinder No: 57

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 8.051
Nitrogen	0.4540	0.526		GPM TOTAL C3+ 4.343
Carbon Dioxide	2.1650	3.942		GPM TOTAL iC5+ 1.223
Methane	69.8142	46.338		
Ethane	13.7993	17.167	3.708	
Propane	7.3323	13.377	2.029	
Iso-butane	0.8454	2.033	0.278	
n-Butane	2.5667	6.172	0.813	
Iso-pentane	0.5753	1.717	0.211	
n-Pentane	0.8139	2.429	0.296	
Hexanes Plus	1.6338	6.299	0.716	
	100.0000	100.000	8.051	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8383	3.2176
Calculated Molecular Weight	24.17	93.19
Compressibility Factor	0.9951	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1394	5141
Water Sat. Gas Base BTU	1371	5052
Comments: H2S Field Content 1.00 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.