



Certificate of Analysis

Number: 2500-23080081-003A

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 31-34-34HNC GPM
Station Number: 68011406
Station Location: NP T-27 Pad
Sample Point: Meter Tube Run
Analyzed: 08/10/2023 13:26:48 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/02/2023 13:00
Sample Conditions: 183.04 psig, @ 83.35 °F
Method: GPA-2261M
Cylinder No: 1611

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.717
Nitrogen	0.4246	0.508		GPM TOTAL C3+ 3.834
Carbon Dioxide	2.2766	4.279		GPM TOTAL iC5+ 0.733
Methane	70.2851	48.154		
Ethane	14.4563	18.565	3.883	
Propane	7.6053	14.323	2.104	
Iso-butane	0.8147	2.022	0.268	
n-Butane	2.3039	5.719	0.729	
Iso-pentane	0.4228	1.303	0.155	
n-Pentane	0.5420	1.670	0.197	
Hexanes Plus	0.8685	3.457	0.381	
	100.0000	100.000	7.717	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8118	3.2176
Calculated Molecular Weight	23.41	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 1.50 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.