



Certificate of Analysis

Number: 2500-23050120-008A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

May 23, 2023

Station Name: NP J-F-23HNB GPM
Station Number: 68004535
Station Location: SNP F-26 PAD
Sample Point: Meter Tube Run
Analyzed: 05/19/2023 17:47:50 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 05/05/2023 12:20
Sample Conditions: 152.08 psig, @ 90.93 °F
Method: GPA-2261M
Cylinder No: 1519

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.958
Nitrogen	0.4190	0.493		GPM TOTAL C3+ 4.084
Carbon Dioxide	2.2830	4.224		GPM TOTAL iC5+ 0.885
Methane	69.6286	46.959		
Ethane	14.4219	18.230	3.874	
Propane	7.7240	14.318	2.137	
Iso-butane	0.8619	2.106	0.283	
n-Butane	2.4612	6.014	0.779	
Iso-pentane	0.4721	1.432	0.173	
n-Pentane	0.6175	1.873	0.225	
Hexanes Plus	1.1107	4.351	0.487	
	100.0000	100.000	7.958	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8249	3.2176
Calculated Molecular Weight	23.79	93.19
Compressibility Factor	0.9953	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1371	5141
Water Sat. Gas Base BTU	1348	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.