



Certificate of Analysis

Number: 2500-23010141-003A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Jan. 25, 2023

Station Name: ANT FED O34-K31-20HNB GPM
Station Number: 68005066
Station Location: ANT O-20 Pad
Sample Point: Meter Tube Run
Analyzed: 01/25/2023 12:55:46 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 01/13/2023 10:30
Sample Conditions: 119.56 psig, @ 105.43 °F
Method: GPA-2261M
Cylinder No: 1283

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 9.183
Nitrogen	0.5068	0.565		GPM TOTAL C3+ 5.113
Carbon Dioxide	2.3441	4.105		GPM TOTAL iC5+ 1.047
Methane	65.3586	41.722		
Ethane	15.1406	18.115	4.070	
Propane	10.0241	17.588	2.776	
Iso-butane	1.0362	2.396	0.341	
n-Butane	2.9952	6.927	0.949	
Iso-pentane	0.5343	1.534	0.196	
n-Pentane	0.7054	2.025	0.257	
Hexanes Plus	1.3546	5.023	0.594	
	100.0000	100.000	9.183	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8720	3.2176
Calculated Molecular Weight	25.13	93.19
Compressibility Factor	0.9947	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1442	5141
Water Sat. Gas Base BTU	1417	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.