



Certificate of Analysis

Number: 2500-22090203-003A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Oct. 07, 2022

Station Name: Antelope T34-P31-21 HNC GPM
Station Number: 68004469
Station Location: ANT T-21 Pad
Sample Point: Meter Tube Run
Analyzed: 10/07/2022 06:40:55 by RHJ

Sampled By: Paul Renslow
Sample Of: Gas Spot
Sample Date: 09/28/2022 13:00
Sample Conditions: 158.65 psig, @ 75.85 °F
Method: GPA-2261M
Cylinder No: 446

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 8.044
Nitrogen	0.6480	0.760		GPM TOTAL C3+ 4.323
Carbon Dioxide	2.4822	4.574		GPM TOTAL iC5+ 0.628
Methane	68.6252	46.093		
Ethane	13.8510	17.437	3.721	
Propane	8.8846	16.403	2.458	
Iso-butane	0.9354	2.276	0.307	
n-Butane	2.9372	7.148	0.930	
Iso-pentane	0.5322	1.608	0.195	
n-Pentane	0.6886	2.080	0.251	
Hexanes Plus	0.4154	1.621	0.182	
	100.0000	100.000	8.044	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8282	3.2176
Calculated Molecular Weight	23.88	93.19
Compressibility Factor	0.9954	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1368	5141
Water Sat. Gas Base BTU	1344	5052

Comments: H2S Field Content 2.0 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.