



Certificate of Analysis

Number: 2500-22090203-001A

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: State Antelope 41-44-28 HNB GPM
Station Number: 68004471
Station Location: ANT T-21 Pad
Sample Point: Meter Tube Run
Analyzed: 10/06/2022 13:55:57 by RHJ

Sampled By: Paul Renslow
Sample Of: Gas Spot
Sample Date: 09/28/2022 11:00
Sample Conditions: 153.77 psig, @ 92.29 °F
Method: GPA-2261M
Cylinder No: 42

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.894
Nitrogen	0.6159	0.724		GPM TOTAL C3+ 4.245
Carbon Dioxide	2.4719	4.563		GPM TOTAL iC5+ 0.781
Methane	69.3610	46.672		
Ethane	13.5857	17.135	3.649	
Propane	8.3841	15.507	2.320	
Iso-butane	0.8605	2.098	0.283	
n-Butane	2.7194	6.630	0.861	
Iso-pentane	0.5128	1.552	0.188	
n-Pentane	0.7921	2.397	0.288	
Hexanes Plus	0.6965	2.722	0.305	
	100.0000	100.000	7.894	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8267	3.2176
Calculated Molecular Weight	23.84	93.19
Compressibility Factor	0.9954	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1366	5141
Water Sat. Gas Base BTU	1343	5052
Comments: H2S Field Content 1.0 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.