



Certificate of Analysis

Number: 2500-23090221-001A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Sep. 29, 2023

Station Name: State Antelope 44-21-16 XRLNB GPM
Station Number: 68004470
Station Location: ANT T-21 Pad
Sample Point: Meter Tube Run
Analyzed: 09/29/2023 12:16:38 by SO

Sampled By: Micah Hershberger
Sample Of: Gas Spot
Sample Date: 09/07/2023 10:17
Sample Conditions: 188 psig, @ 72 °F
Method: GPA-2261M
Cylinder No: 114

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	NIL		GPM TOTAL C2+ 7.637
Nitrogen	0.6202	0.741		GPM TOTAL C3+ 3.984
Carbon Dioxide	2.4037	4.509		GPM TOTAL iC5+ 0.651
Methane	70.1931	48.002		
Ethane	13.6005	17.432	3.653	
Propane	8.2850	15.573	2.292	
Iso-butane	0.8124	2.013	0.267	
n-Butane	2.4432	6.053	0.774	
Iso-pentane	0.4162	1.280	0.153	
n-Pentane	0.5249	1.614	0.191	
Hexanes Plus	0.7005	2.783	0.307	
	100.0000	100.000	7.637	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8133	3.2176
Calculated Molecular Weight	23.46	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1347	5141
Water Sat. Gas Base BTU	1324	5052
Comments: H2S Field Content 3.0 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.