



Certificate of Analysis
 Number: 2500-22090203-002A

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 44-21-16 XRLNB GPM
 Station Number: 68004470
 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 12:00
 Sample Conditions: 151.65 psig, @ 105.34 °F
 Method: GPA-2261M
 Cylinder No: 702

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL	GPM TOTAL C2+ 8.440	
Nitrogen	0.6047	0.692	GPM TOTAL C3+ 4.658	
Carbon Dioxide	2.5473	4.581	GPM TOTAL iC5+ 0.920	
Methane	67.5308	44.274		
Ethane	14.0742	17.294	3.782	
Propane	8.8981	16.034	2.463	
Iso-butane	0.9381	2.228	0.308	
n-Butane	3.0541	7.254	0.967	
Iso-pentane	0.6414	1.891	0.236	
n-Pentane	0.8892	2.622	0.324	
Hexanes Plus	0.8219	3.130	0.360	
	100.0000	100.000	8.440	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8488	3.2176
Calculated Molecular Weight	24.47	93.19
Compressibility Factor	0.9951	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1399	5141
Water Sat. Gas Base BTU	1375	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.