



Certificate of Analysis
 Number: 2500-23060084-003A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

June 13, 2023

Station Name: SA 44-2-14 XRLNB GPM
 Station Number: 68004804
 Station Location: SA 41-11 Pad
 Sample Point: Meter Tube Run
 Analyzed: 06/13/2023 13:56:52 by SO

Sampled By: Russ Fox
 Sample Of: Gas Spot
 Sample Date: 05/29/2023 10:15
 Sample Conditions: 119.55 psig, @ 104.93 °F
 Method: GPA-2261M
 Cylinder No: 100

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL	GPM TOTAL C2+ 7.814	
Nitrogen	0.6964	0.813	GPM TOTAL C3+ 4.304	
Carbon Dioxide	2.5051	4.595	GPM TOTAL iC5+ 0.993	
Methane	69.8305	46.690		
Ethane	13.0641	16.373	3.510	
Propane	8.1606	14.998	2.258	
Iso-butane	0.7999	1.938	0.263	
n-Butane	2.4948	6.044	0.790	
Iso-pentane	0.4691	1.411	0.172	
n-Pentane	0.6277	1.888	0.229	
Hexanes Plus	1.3518	5.250	0.592	
	100.0000	100.000	7.814	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8320	3.2176
Calculated Molecular Weight	23.99	93.19
Compressibility Factor	0.9953	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1372	5141
Water Sat. Gas Base BTU	1349	5052

Comments: H2S Field Content 0.25 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.