



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.