



Certificate of Analysis

Number: 2500-23070202-002A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Aug. 04, 2023

Station Name: SPH W42-29-30 XRLNB GPM
Station Number: 68004644
Station Location: PH B-28 Pad
Sample Point: Meter Tube Run
Analyzed: 08/04/2023 15:44:12 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 07/18/2023 12:30
Sample Conditions: 189.68 psig, @ 105.87 °F
Method: GPA-2261M
Cylinder No: 1063

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+ 7.795
Nitrogen	0.7824	0.927		GPM TOTAL C3+ 4.232
Carbon Dioxide	2.3998	4.466		GPM TOTAL iC5+ 0.549
Methane	69.4036	47.079		
Ethane	13.2676	16.869	3.563	
Propane	9.2087	17.170	2.548	
Iso-butane	0.8795	2.162	0.289	
n-Butane	2.6733	6.570	0.846	
Iso-pentane	0.3634	1.109	0.133	
n-Pentane	0.4254	1.298	0.155	
Hexanes Plus	0.5963	2.350	0.261	
	100.0000	100.000	7.795	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8200	3.2176
Calculated Molecular Weight	23.65	93.19
Compressibility Factor	0.9955	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1355	5141
Water Sat. Gas Base BTU	1332	5052

Comments: H2S Field Content 0.00 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.