



Certificate of Analysis

Number: 2500-23020122-002A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Feb. 21, 2023

Station Name: SPH W42-29-30 XRLNB GLM
Station Number: 66004652
Station Location: PH B-28 Pad
Sample Point: Meter Tube Run
Analyzed: 02/21/2023 12:49:49 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 02/10/2023 15:40
Sample Conditions: 1077.16 psig, @ 71.46 °F
Method: GPA-2261M
Cylinder No: 112

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.039
Nitrogen	0.8718	1.067		GPM TOTAL C3+ 3.682
Carbon Dioxide	2.3311	4.483		GPM TOTAL iC5+ 0.483
Methane	71.9798	50.465		
Ethane	12.5014	16.428	3.357	
Propane	8.0538	15.520	2.228	
Iso-butane	0.7568	1.922	0.249	
n-Butane	2.2816	5.795	0.722	
Iso-pentane	0.3303	1.041	0.121	
n-Pentane	0.3903	1.231	0.142	
Hexanes Plus	0.5029	2.048	0.220	
	100.0000	100.000	7.039	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7931	3.2176
Calculated Molecular Weight	22.88	93.19
Compressibility Factor	0.9958	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1313	5141
Water Sat. Gas Base BTU	1291	5052
Comments: H2S Field Content 2.00 ppm		

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.