



Certificate of Analysis

Number: 2500-23050056-001A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

May 12, 2023

Station Name: SPH W42-29-30 XRLNB GPM
Station Number: 68004644
Station Location: PH B-28 Pad
Sample Point: Meter Tube Run
Analyzed: 05/12/2023 11:59:58 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 04/27/2023 09:05
Sample Conditions: 112.18 psig, @ 92.59 °F
Method: GPA-2261M
Cylinder No: 694

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+
Nitrogen	0.7187	0.817		GPM TOTAL C3+
Carbon Dioxide	2.4311	4.342		GPM TOTAL iC5+
Methane	67.3915	43.879		
Ethane	13.4307	16.391	3.609	
Propane	9.6740	17.313	2.678	
Iso-butane	0.9833	2.320	0.323	
n-Butane	3.0864	7.281	0.978	
Iso-pentane	0.5150	1.508	0.189	
n-Pentane	0.6345	1.858	0.231	
Hexanes Plus	1.1346	4.291	0.497	
	100.0000	100.000	8.505	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8547	3.2176
Calculated Molecular Weight	24.64	93.19
Compressibility Factor	0.9950	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1409	5141
Water Sat. Gas Base BTU	1385	5052
Comments: H2S Field Content 1.50 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.