



Certificate of Analysis

Number: 2500-22110118-002A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Nov. 21, 2022

Station Name: SPH W42-29-30 XRLNB GPM
Station Number: 68004644
Station Location: PH B-28 Pad
Sample Point: Meter Tube Run
Analyzed: 11/18/2022 13:59:07 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 11/14/2022 09:15
Sample Conditions: 84.33 psig, @ 75.01 °F
Method: GPA-2261M
Cylinder No: 57

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.538
Nitrogen	1.8191	2.112		GPM TOTAL C3+ 4.344
Carbon Dioxide	2.4453	4.460		GPM TOTAL iC5+ 1.227
Methane	70.0537	46.573		
Ethane	11.8893	14.815	3.194	
Propane	7.6843	14.042	2.126	
Iso-butane	0.7399	1.782	0.243	
n-Butane	2.3613	5.687	0.748	
Iso-pentane	0.5114	1.529	0.188	
n-Pentane	0.7307	2.185	0.266	
Hexanes Plus	1.7648	6.815	0.773	
	100.0000	100.000	7.538	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8368	3.2176
Calculated Molecular Weight	24.13	93.19
Compressibility Factor	0.9953	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1362	5141
Water Sat. Gas Base BTU	1339	5052

Comments: H2S Field Content 1.50 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.