



Certificate of Analysis

Number: 2500-22110118-001A

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 GLM
Station Number: 66004652
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 09:50
Sample Conditions: 1090.54 psig, @ 66.80 °F
Method: GPA-2261M
Cylinder No: 1258

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+ 7.485
Nitrogen	0.9027	1.085		GPM TOTAL C3+ 4.011
Carbon Dioxide	2.4213	4.574		GPM TOTAL iC5+ 0.435
Methane	70.2165	48.353		
Ethane	12.9350	16.696	3.474	
Propane	8.9236	16.891	2.469	
Iso-butane	0.8489	2.118	0.279	
n-Butane	2.6152	6.525	0.828	
Iso-pentane	0.3946	1.222	0.145	
n-Pentane	0.4798	1.486	0.175	
Hexanes Plus	0.2624	1.050	0.115	
	100.0000	100.000	7.485	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8076	3.2176
Calculated Molecular Weight	23.30	93.19
Compressibility Factor	0.9957	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1333	5141
Water Sat. Gas Base BTU	1310	5052

Comments: H2S Field Content 0.00 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.