



Certificate of Analysis
 Number: 2500-25050062-001A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

Station Name: SPH W42-29-30 XRLNB GPM	Report Date: 05/12/2025
Station Number: 68004644	Sampled By: Russ Fox
Station Location: PH B-28 Pad	Sample Of: Gas Spot
Sample Point: Meter Tube Run	Sample Conditions: 128.82 psia, @ 77.89 °F
Cylinder No: 1723	Sample Date: 04/30/2025 09:55
Instrument: Agilent 990, 1	Received Date: 05/02/2025
Analyzed: 05/12/2025 09:51:20 by ACR	Login Date: 05/06/2025
	Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	NIL		GPM TOTAL C2+ 7.229
Nitrogen	0.9305	1.130		GPM TOTAL C3+ 3.787
Carbon Dioxide	2.4749	4.724		GPM TOTAL iC5+ 0.466
Methane	71.0457	49.429		
Ethane	12.8184	16.715	3.442	
Propane	8.5308	16.313	2.360	
Iso-butane	0.7376	1.859	0.242	
n-Butane	2.2718	5.726	0.719	
Iso-pentane	0.3563	1.115	0.131	
n-Pentane	0.4171	1.305	0.152	
Hexanes Plus	0.4166	1.684	0.183	
	100.0000	100.000	7.229	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7993	3.2176
Calculated Molecular Weight	23.06	93.19
Compressibility Factor	0.9957	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1318	5141
Water Sat. Gas Base BTU	1296	5052

Comments: H2S Field Content: 2.75 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. The test results apply to the sample as received.