



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
Station Number: 68004644
Station Location: PH B-28 Pad
Sample Point: Meter Tube Run
Cylinder No: 1723
Instrument: Agilent 990, 1
Analyzed: 05/12/2025 09:51:20 by ACR

Report Date: 05/12/2025
Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Conditions: 128.82 psia, @ 77.89 °F
Sample Date: 04/30/2025 09:55
Received Date: 05/02/2025
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

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.