



Certificate of Analysis

Number: 2500-25050062-002A

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 GLM
Station Number: 66004652
Station Location: PH B-28 Pad
Sample Point: Meter Tube Run
Cylinder No: 1462
Instrument: Agilent 990, 1
Analyzed: 05/12/2025 10:03:52 by ACR

Report Date: 05/12/2025
Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Conditions: 1139.40 psia, @ 79.00 °F
Sample Date: 04/30/2025 11:20
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+ 7.145
Nitrogen	0.8315	1.017		GPM TOTAL C3+ 3.656
Carbon Dioxide	2.4864	4.778		GPM TOTAL iC5+ 0.391
Methane	71.3511	49.983		
Ethane	12.9930	17.060	3.489	
Propane	8.1580	15.708	2.256	
Iso-butane	0.7759	1.969	0.255	
n-Butane	2.3834	6.049	0.754	
Iso-pentane	0.3575	1.126	0.131	
n-Pentane	0.4218	1.329	0.154	
Hexanes Plus	0.2411	0.981	0.106	
	100.0000	100.000	7.145	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7937	3.2176
Calculated Molecular Weight	22.90	93.19
Compressibility Factor	0.9958	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1311	5141
Water Sat. Gas Base BTU	1289	5052

Comments: H2S Field Content: 2.50 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. The test results apply to the sample as received.