



Certificate of Analysis

Number: 2500-25080067-002A

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 GPM
Station Number: 68004644
Station Location: PH B-28 Pad
Sample Point: Meter Tube Run
Cylinder No: 1710
Instrument: Agilent 990, 1
Analyzed: 08/12/2025 16:37:39 by ACR

Report Date: 08/13/2025
Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Conditions: 150.55 psig, @ 78.89 °F
Sample Date: 07/29/2025 09:38
Received Date: 08/04/2025
Login Date: 08/11/2025
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+	6.703
Nitrogen	0.9122	1.128		GPM TOTAL C3+	3.453
Carbon Dioxide	2.4773	4.815		GPM TOTAL iC5+	0.541
Methane	73.0293	51.739			
Ethane	12.1055	16.075	3.250		
Propane	7.5412	14.685	2.086		
Iso-butane	0.6515	1.672	0.214		
n-Butane	1.9345	4.965	0.612		
Iso-pentane	0.3048	0.971	0.112		
n-Pentane	0.3716	1.184	0.135		
Hexanes Plus	0.6720	2.766	0.294		
	100.0000	100.000	6.703		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7848	3.2176
Calculated Molecular Weight	22.64	93.19
Compressibility Factor	0.9959	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1296	5141
Water Sat. Gas Base BTU	1274	5052

Comments: H2S Field Content: 1.25 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.