



Certificate of Analysis

Number: 2500-23070162-005A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

July 28, 2023

Station Name: WF A-4-9 MRLNC GPM
Station Number: 68011289
Station Location: WF A-4 PAD
Sample Point: Meter Tube Run
Analyzed: 07/28/2023 11:21:49 by SO

Sampled By: Micah Hershberger
Sample Of: Gas Spot
Sample Date: 07/18/2023 12:49
Sample Conditions: 101 psig, @ 94 °F
Method: GPA-2261M
Cylinder No: 1253

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0004	0.001		GPM TOTAL C2+ 8.636
Nitrogen	0.3616	0.414		GPM TOTAL C3+ 4.518
Carbon Dioxide	2.3166	4.163		GPM TOTAL iC5+ 1.044
Methane	67.4107	44.159		
Ethane	15.3256	18.817	4.118	
Propane	8.2492	14.853	2.283	
Iso-butane	0.9620	2.283	0.316	
n-Butane	2.7638	6.559	0.875	
Iso-pentane	0.5967	1.758	0.219	
n-Pentane	0.7785	2.294	0.284	
Hexanes Plus	1.2349	4.699	0.541	
	100.0000	100.000	8.636	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8495	3.2176
Calculated Molecular Weight	24.49	93.19
Compressibility Factor	0.9950	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1410	5141
Water Sat. Gas Base BTU	1386	5052
Comments: H2S Field Content 4.0 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.