



Certificate of Analysis

Number: 2500-24020026-001A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Feb. 06, 2024

Station Name: AEF 4-62-15 NE 0560BH2 Prd
Station Number: 19141
Station Location: AEF 4-62-15 NE
Sample Point: Sample Port
Analyzed: 02/06/2024 15:05:41 by SO

Sampled By: Keane Ververs
Sample Of: Gas Spot
Sample Date: 01/26/2024 11:37
Sample Conditions: 81.78 psig, @ 87.22 °F
Method: GPA-2261M
Cylinder No: 7653

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	NIL		GPM TOTAL C2+ 7.917
Nitrogen	0.8144	0.927		GPM TOTAL C3+ 4.830
Carbon Dioxide	2.3216	4.151		GPM TOTAL iC5+ 1.421
Methane	70.1948	45.751		
Ethane	11.4859	14.032	3.087	
Propane	8.0775	14.471	2.236	
Iso-butane	0.8963	2.117	0.295	
n-Butane	2.7708	6.543	0.878	
Iso-pentane	0.4988	1.462	0.183	
n-Pentane	0.6820	1.999	0.248	
Hexanes Plus	2.2576	8.547	0.990	
	100.0000	100.000	7.917	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8538	3.2176
Calculated Molecular Weight	24.61	93.19
Compressibility Factor	0.9949	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1408	5141
Water Sat. Gas Base BTU	1385	5052
Comments: H2S Field Content 3 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.