



Certificate of Analysis
 Number: 2500-21120127-004A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

Dec. 30, 2021

Station Name: AEF 4-62-15NW 0461CH2 Prd
 Station Number: 18797
 Station Location: AEF 4-62-15NW
 Sample Point: Tube
 Analyzed: 12/22/2021 11:39:47 by RGA

Sampled By: Wally Young
 Sample Of: Gas Spot
 Sample Date: 12/16/2021 08:56
 Sample Conditions: 105.97 psig, @ 90.54 °F
 Method: GPA-2261M
 Cylinder No: 2500-00860

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL	GPM TOTAL C2+ 8.365	
Nitrogen	0.8101	0.909	GPM TOTAL C3+ 5.244	
Carbon Dioxide	2.3967	4.225	GPM TOTAL iC5+ 1.176	
Methane	68.2714	43.867		
Ethane	11.6113	13.984	3.121	
Propane	8.8116	15.562	2.440	
Iso-butane	1.0988	2.558	0.361	
n-Butane	3.9995	9.311	1.267	
Iso-pentane	0.8629	2.494	0.317	
n-Pentane	1.0532	3.043	0.384	
Hexanes Plus	1.0843	4.047	0.475	
	100.0000	100.000	8.365	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8662	3.2176
Calculated Molecular Weight	24.97	93.19
Compressibility Factor	0.9949	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1426	5141
Water Sat. Gas Base BTU	1402	5052

Comments: H2S Field Content 2 ppm

Ryleigh Jacobs

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.