



Certificate of Analysis

Number: 2500-21120127-003A

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 0461BH2 Prd
Station Number: 19041
Station Location: AEF 4-62-15NW
Sample Point: Tube
Analyzed: 12/22/2021 11:15:37 by RGA

Sampled By: Wally Young
Sample Of: Gas Spot
Sample Date: 12/16/2021 08:34
Sample Conditions: 115.02 psig, @ 78.25 °F
Method: GPA-2261M
Cylinder No: 2500-00365

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 8.086
Nitrogen	0.8247	0.938		GPM TOTAL C3+ 5.109
Carbon Dioxide	2.3375	4.176		GPM TOTAL iC5+ 0.982
Methane	69.1309	45.023		
Ethane	11.0793	13.525	2.977	
Propane	8.6924	15.561	2.406	
Iso-butane	1.1458	2.704	0.377	
n-Butane	4.2438	10.014	1.344	
Iso-pentane	0.8790	2.575	0.323	
n-Pentane	0.9613	2.816	0.350	
Hexanes Plus	0.7051	2.668	0.309	
	100.0000	100.000	8.086	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8544	3.2176
Calculated Molecular Weight	24.63	93.19
Compressibility Factor	0.9950	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1409	5141
Water Sat. Gas Base BTU	1385	5052
Comments: H2S Field Content 2 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.