



Certificate of Analysis

Number: 2500-22040052-001A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Apr. 11, 2022

Station Name: AEF 4-62-15NW 0461CH2 Prd
Station Number: 18797
Station Location: AEF 4-62-15NW
Sample Point: Tube
Analyzed: 04/11/2022 09:17:17 by SO

Sampled By: Dani Jeffress
Sample Of: Gas Spot
Sample Date: 03/03/2022 08:30
Sample Conditions: 112.21 psig, @ 86.55 °F
Method: GPA-2261M
Cylinder No: 2500-01230

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	NIL		GPM TOTAL C2+ 7.193
Nitrogen	0.7885	0.948		GPM TOTAL C3+ 4.025
Carbon Dioxide	2.4114	4.555		GPM TOTAL iC5+ 0.677
Methane	71.7082	49.377		
Ethane	11.7975	15.226	3.168	
Propane	8.1383	15.403	2.251	
Iso-butane	0.8119	2.025	0.267	
n-Butane	2.6224	6.542	0.830	
Iso-pentane	0.4657	1.442	0.171	
n-Pentane	0.5982	1.852	0.218	
Hexanes Plus	0.6576	2.630	0.288	
	100.0000	100.000	7.193	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8077	3.2176
Calculated Molecular Weight	23.30	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1335	5141
Water Sat. Gas Base BTU	1312	5052
Comments: H2S Field Content 3 ppm		

Data reviewed by: Carson Souther, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.