



Certificate of Analysis

Number: 2500-21120127-002A

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 0362CH2 Prd
Station Number: 18798
Station Location: AEF 4-62-15NW
Sample Point: Tube
Analyzed: 12/22/2021 10:37:19 by RGA

Sampled By: Wally Young
Sample Of: Gas Spot
Sample Date: 12/15/2021 09:20
Sample Conditions: 117.34 psig, @ 72.50 °F
Method: GPA-2261M
Cylinder No: 2500-00149

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+
Nitrogen	0.8197	0.979		GPM TOTAL C3+
Carbon Dioxide	2.4207	4.540		GPM TOTAL iC5+
Methane	71.1533	48.644		
Ethane	11.9587	15.324	3.212	
Propane	8.2112	15.430	2.272	
Iso-butane	0.8576	2.124	0.282	
n-Butane	2.8199	6.985	0.893	
Iso-pentane	0.4777	1.469	0.175	
n-Pentane	0.6500	1.999	0.237	
Hexanes Plus	0.6310	2.506	0.276	
	100.0000	100.000	7.347	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8135	3.2176
Calculated Molecular Weight	23.47	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1343	5141
Water Sat. Gas Base BTU	1321	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.