



Certificate of Analysis

Number: 2500-22030026-001A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Mar. 03, 2022

Station Name: AEF 4-62-15-0362 CH2 Inj
Station Number: 19402_GL
Station Location: AEF 4-62-15 NW
Sample Point: Tube
Analyzed: 03/03/2022 10:06:52 by SO

Sampled By: Wally Young
Sample Of: Gas Spot
Sample Date: 02/14/2022 11:30
Sample Conditions: 945.17 psig, @ 99.30 °F
Method: GPA-2261M
Cylinder No: 2500-00920

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0005	0.001		GPM TOTAL C2+ 6.598
Nitrogen	0.8340	1.037		GPM TOTAL C3+ 3.482
Carbon Dioxide	2.4918	4.867		GPM TOTAL iC5+ 0.394
Methane	73.3581	52.227		
Ethane	11.6079	15.490	3.116	
Propane	7.5732	14.820	2.094	
Iso-butane	0.8289	2.138	0.272	
n-Butane	2.2808	5.883	0.722	
Iso-pentane	0.3426	1.097	0.126	
n-Pentane	0.4077	1.305	0.148	
Hexanes Plus	0.2745	1.135	0.120	
	100.0000	100.000	6.598	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7809	3.2176
Calculated Molecular Weight	22.53	93.19
Compressibility Factor	0.9960	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1291	5141
Water Sat. Gas Base BTU	1269	5052

Comments: H2S Field Content 5 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.