



Certificate of Analysis

Number: 2500-21090131-002A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Bonanza Creek
4301 Industrial Parkway
Evans, CO 80620

Sep. 24, 2021

Station Name: AEF 4-62-15NW 0362CH2 Prd
Station Number: 18798
Station Location: AEF 4-62-15NW
Sample Point: Tube
Analyzed: 09/24/2021 11:57:04 by RGA

Sampled By: Dani Jeffress
Sample Of: Gas Spot
Sample Date: 09/15/2021 09:25
Sample Conditions: 102.34 psig, @ 90.67 °F
Method: GPA-2261M
Cylinder No: 2500-01211

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	ND		GPM TOTAL C2+
Nitrogen	0.8487	1.038		GPM TOTAL C3+
Carbon Dioxide	2.4740	4.755		GPM TOTAL iC5+
Methane	72.9788	51.135		
Ethane	11.6576	15.310	3.130	
Propane	7.2466	13.956	2.004	
Iso-butane	0.6946	1.763	0.228	
n-Butane	2.3526	5.972	0.745	
Iso-pentane	0.5051	1.592	0.185	
n-Pentane	0.6250	1.969	0.227	
Hexanes Plus	0.6167	2.510	0.270	
	100.0000	100.000	6.789	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7936	3.2176
Calculated Molecular Weight	22.90	93.19
Compressibility Factor	0.9958	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1310	5141
Water Sat. Gas Base BTU	1288	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.