



Certificate of Analysis

Number: 2500-21090131-003A

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 0461BH2
Station Number: 19041
Station Location: AEF 4-62-15NW
Sample Point: Tube
Analyzed: 09/24/2021 12:14:28 by RGA

Sampled By: Dani Jeffress
Sample Of: Gas Spot
Sample Date: 09/15/2021 10:30
Sample Conditions: 112.66 psig, @ 112.64 °F
Method: GPA-2261M
Cylinder No: 2500-00034

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0004	0.001		GPM TOTAL C2+
Nitrogen	0.8588	1.047		GPM TOTAL C3+
Carbon Dioxide	2.4966	4.784		GPM TOTAL iC5+
Methane	72.6021	50.713		
Ethane	11.7853	15.429	3.164	
Propane	7.5598	14.514	2.091	
Iso-butane	0.7082	1.792	0.233	
n-Butane	2.2960	5.810	0.727	
Iso-pentane	0.4703	1.477	0.173	
n-Pentane	0.5750	1.806	0.209	
Hexanes Plus	0.6475	2.627	0.284	
	100.0000	100.000	6.881	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7961	3.2176
Calculated Molecular Weight	22.97	93.19
Compressibility Factor	0.9958	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1314	5141
Water Sat. Gas Base BTU	1291	5052

Comments: H2S Field Content 4 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.