



# Certificate of Analysis

Number: 2500-21090032-003A

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

Tony Walton  
Bonanza Creek  
4301 Industrial Parkway  
Evans, CO 80620

Sep. 08, 2021

Station Name: Ansch St 5-62-26 4956C Prd  
Station Number: 19903  
Station Location: Ansch St 5-62-26 NW  
Cylinder No: 2500-00915  
Analyzed: 09/08/2021 09:01:54 by RGA

Sampled By: Wally Young  
Sample Of: Gas Spot  
Sample Date: 09/01/2021 10:50  
Sample Conditions: 130.21 psig, @ 111.44 °F  
Method: GPA-2261M

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	ND		GPM TOTAL C2+ 7.603
Nitrogen	0.7833	0.923		GPM TOTAL C3+ 4.297
Carbon Dioxide	2.3070	4.272		GPM TOTAL iC5+ 0.873
Methane	70.5862	47.648		
Ethane	12.3074	15.571	3.306	
Propane	8.1477	15.117	2.254	
Iso-butane	0.8537	2.088	0.281	
n-Butane	2.8086	6.869	0.889	
Iso-pentane	0.5508	1.672	0.202	
n-Pentane	0.7336	2.227	0.267	
Hexanes Plus	0.9214	3.613	0.404	
	100.0000	100.000	7.603	

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.8241	3.2176
Calculated Molecular Weight	23.77	93.19
Compressibility Factor	0.9954	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1363	5141
Water Sat. Gas Base BTU	1340	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.