



# Certificate of Analysis

Number: 2500-21090128-006A

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

Tony Walton  
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4301 Industrial Parkway  
Evans, CO 80620

Sep. 23, 2021

Station Name: AZ Fed SE3 4-62-2-4841CN Prd  
Station Number: 20229  
Station Location: AZ Fed SE3 4-62-2  
Sample Point: Tube  
Analyzed: 09/23/2021 06:23:57 by RGA

Sampled By: Wally Young  
Sample Of: Gas Spot  
Sample Date: 09/15/2021 09:01  
Sample Conditions: 101.05 psig, @ 117.95 °F  
Method: GPA-2261M  
Cylinder No: 2500-00450

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	ND		GPM TOTAL C2+
Nitrogen	0.7713	0.832		GPM TOTAL C3+
Carbon Dioxide	2.2516	3.817		GPM TOTAL iC5+
Methane	65.7592	40.632		
Ethane	12.1081	14.022	3.256	
Propane	9.5425	16.206	2.643	
Iso-butane	1.2205	2.732	0.402	
n-Butane	4.4546	9.972	1.412	
Iso-pentane	1.1645	3.236	0.428	
n-Pentane	1.5280	4.246	0.557	
Hexanes Plus	1.1995	4.305	0.526	
	100.0000	100.000	9.224	

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.9012	3.2176
Calculated Molecular Weight	25.96	93.19
Compressibility Factor	0.9944	
<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	1485	5141
Water Sat. Gas Base BTU	1460	5052
<b>Comments:</b> H2S Field Content 2 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.