



# Certificate of Analysis

Number: 2500-22040052-002A

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

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Apr. 11, 2022

Station Name: AEF 4-62-15NW 0461BH2 Prd  
Station Number: 19041  
Station Location: AEF 4-62-15NW  
Sample Point: Tube  
Analyzed: 04/11/2022 09:31:24 by SO

Sampled By: Dani Jeffress  
Sample Of: Gas Spot  
Sample Date: 03/03/2022 09:30  
Sample Conditions: 135.02 psig, @ 80.08 °F  
Method: GPA-2261M  
Cylinder No: 2500-01867

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+ 6.866
Nitrogen	0.7759	0.951		GPM TOTAL C3+ 3.712
Carbon Dioxide	2.3794	4.581		GPM TOTAL iC5+ 0.569
Methane	72.7498	51.057		
Ethane	11.7466	15.452	3.154	
Propane	7.6822	14.820	2.125	
Iso-butane	0.7530	1.915	0.247	
n-Butane	2.4344	6.190	0.771	
Iso-pentane	0.4828	1.524	0.177	
n-Pentane	0.5981	1.888	0.218	
Hexanes Plus	0.3978	1.622	0.174	
	100.0000	100.000	6.866	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7923	3.2176
Calculated Molecular Weight	22.86	93.19
Compressibility Factor	0.9958	
<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	1312	5141
Water Sat. Gas Base BTU	1290	5052

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.