



Certificate of Analysis  
 Number: 2500-22030155-006A

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

Tony Walton  
 Civitas Resources  
 4301 Industrial Parkway  
 Evans, CO 80620

Mar. 23, 2022

Station Name: NPF A-E-22 HC GPM  
 Station Number: 68011140  
 Station Location: NPF K-22 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 03/23/2022 11:37:45 by SO

Sampled By: Russ Fox  
 Sample Of: Gas Spot  
 Sample Date: 03/14/2022 09:17  
 Sample Conditions: 120.01 psig, @ 51.04 °F  
 Method: GPA-2261M  
 Cylinder No: 2500-00948

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+	6.980
Nitrogen	0.3730	0.465	GPM TOTAL C3+	3.221
Carbon Dioxide	2.2181	4.346	GPM TOTAL iC5+	0.440
Methane	72.6413	51.883		
Ethane	14.0025	18.745	3.759	
Propane	6.9845	13.712	1.932	
Iso-butane	0.7364	1.906	0.242	
n-Butane	1.9189	4.965	0.607	
Iso-pentane	0.3377	1.085	0.124	
n-Pentane	0.3999	1.285	0.146	
Hexanes Plus	0.3876	1.608	0.170	
	100.0000	100.000	6.980	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7784	3.2176
Calculated Molecular Weight	22.46	93.19
Compressibility Factor	0.9959	

**GPA 2172 Calculation:**

**Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F**

Real Gas Dry BTU	1301	5141
Water Sat. Gas Base BTU	1279	5052

**Comments:** H2S Field Content 1.00 ppm

*Ryleigh Jacobs*

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.