



Certificate of Analysis

Number: 2500-21120080-005A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Dec. 17, 2021

Station Name: NPF A-E-22 HC GPM
Station Number: 68011140
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 12/16/2021 11:04:11 by RGA

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 12/08/2021 12:35
Sample Conditions: 103.09 psig, @ 59.12 °F
Method: GPA-2261M
Cylinder No: 2500-00674

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+
Nitrogen	0.4650	0.588		GPM TOTAL C3+
Carbon Dioxide	2.0790	4.132		GPM TOTAL iC5+
Methane	73.7282	53.411		
Ethane	13.5803	18.439	3.645	
Propane	6.5297	13.002	1.806	
Iso-butane	0.7216	1.894	0.237	
n-Butane	1.8862	4.950	0.597	
Iso-pentane	0.3249	1.059	0.119	
n-Pentane	0.3752	1.222	0.137	
Hexanes Plus	0.3097	1.303	0.136	
	100.0000	100.000	6.677	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7674	3.2176
Calculated Molecular Weight	22.15	93.19
Compressibility Factor	0.9961	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1286	5141
Water Sat. Gas Base BTU	1264	5052
Comments: H2S Field Content 2.00 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.