



Certificate of Analysis

Number: 2500-21120080-004A

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 31-34-22 HNB GPM
Station Number: 68004619
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 12/16/2021 10:38:26 by RGA

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 12/09/2021 11:20
Sample Conditions: 104.91 psig, @ 52.51 °F
Method: GPA-2261M
Cylinder No: 2500-00886

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+
Nitrogen	0.4522	0.556		GPM TOTAL C3+
Carbon Dioxide	2.1154	4.084		GPM TOTAL iC5+
Methane	72.0192	50.686		
Ethane	13.8646	18.290	3.723	
Propane	7.1012	13.737	1.964	
Iso-butane	0.8181	2.086	0.269	
n-Butane	2.2160	5.651	0.701	
Iso-pentane	0.4252	1.346	0.156	
n-Pentane	0.5149	1.630	0.187	
Hexanes Plus	0.4730	1.934	0.207	
	100.0000	100.000	7.207	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7901	3.2176
Calculated Molecular Weight	22.79	93.19
Compressibility Factor	0.9958	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1321	5141
Water Sat. Gas Base BTU	1298	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.