



Certificate of Analysis

Number: 2500-21120080-003A

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 11-14-22 HNC GPM
Station Number: 68011142
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 12/16/2021 10:12:05 by RGA

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 12/08/2021 14:40
Sample Conditions: 80.62 psig, @ 58.22 °F
Method: GPA-2261M
Cylinder No: 2500-00648

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 6.840
Nitrogen	0.4635	0.581		GPM TOTAL C3+ 3.179
Carbon Dioxide	2.1022	4.138		GPM TOTAL iC5+ 0.444
Methane	73.1993	52.520		
Ethane	13.6361	18.338	3.661	
Propane	6.6521	13.119	1.840	
Iso-butane	0.7695	2.000	0.253	
n-Butane	2.0290	5.274	0.642	
Iso-pentane	0.3660	1.181	0.134	
n-Pentane	0.4366	1.409	0.159	
Hexanes Plus	0.3455	1.440	0.151	
	100.0000	100.000	6.840	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7748	3.2176
Calculated Molecular Weight	22.36	93.19
Compressibility Factor	0.9960	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1297	5141
Water Sat. Gas Base BTU	1275	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.