



Certificate of Analysis
 Number: 2500-23070057-005A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

July 17, 2023

Station Name: NPF F-J-22 HNC GPM
 Station Number: 68003991
 Station Location: NPF K-22 Pad
 Sample Point: Meter Tube Run
 Analyzed: 07/13/2023 17:30:19 by SO

Sampled By: Russ Fox
 Sample Of: Gas Spot
 Sample Date: 06/23/2023 11:02
 Sample Conditions: 121.47 psig, @ 81.01 °F
 Method: GPA-2261M
 Cylinder No: 756

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+ 7.724	
Nitrogen	0.4018	0.480	GPM TOTAL C3+ 3.819	
Carbon Dioxide	2.3848	4.473	GPM TOTAL iC5+ 0.774	
Methane	70.2265	48.011		
Ethane	14.5395	18.631	3.905	
Propane	7.4409	13.983	2.059	
Iso-butane	0.8206	2.033	0.270	
n-Butane	2.2603	5.599	0.716	
Iso-pentane	0.4200	1.291	0.154	
n-Pentane	0.5345	1.643	0.195	
Hexanes Plus	0.9710	3.856	0.425	
	100.0000	100.000	7.724	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8136	3.2176
Calculated Molecular Weight	23.47	93.19
Compressibility Factor	0.9955	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1351	5141
Water Sat. Gas Base BTU	1329	5052

Comments: H2S Field Content 1.25 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.