



Certificate of Analysis
 Number: 2500-22060118-005A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

June 21, 2022

Station Name: NPF 31-34-22 HNB GPM
 Station Number: 68004619
 Station Location: NPF K-22 Pad
 Sample Point: Meter Tube Run
 Analyzed: 06/20/2022 14:53:16 by SO

Sampled By: Russ Fox
 Sample Of: Gas Spot
 Sample Date: 06/14/2022 12:25
 Sample Conditions: 149.29 psig, @ 77.66 °F
 Method: GPA-2261M
 Cylinder No: 2500-00664

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+ 7.289	
Nitrogen	0.3922	0.479	GPM TOTAL C3+ 3.555	
Carbon Dioxide	2.2388	4.295	GPM TOTAL iC5+ 0.619	
Methane	71.7404	50.167		
Ethane	13.9053	18.225	3.734	
Propane	7.0877	13.623	1.961	
Iso-butane	0.7995	2.026	0.263	
n-Butane	2.2508	5.702	0.712	
Iso-pentane	0.4569	1.437	0.168	
n-Pentane	0.5854	1.841	0.213	
Hexanes Plus	0.5429	2.205	0.238	
	100.0000	100.000	7.289	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7952	3.2176
Calculated Molecular Weight	22.94	93.19
Compressibility Factor	0.9957	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1327	5141
Water Sat. Gas Base BTU	1304	5052

Comments: H2S Field Content 0.50 ppm

Data reviewed by: Carson Souther, Laboratory Analyst

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