



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.