



Certificate of Analysis

Number: 2500-22070050-003A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

July 13, 2022

Station Name: NP F21-J24-28 HNB GPM
Station Number: 68004839
Station Location: NP I-21 Pad
Sample Point: Meter Tube Run
Analyzed: 07/12/2022 14:15:45 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 07/07/2022 13:20
Sample Conditions: 156.64 psig, @ 86.81 °F
Method: GPA-2261M
Cylinder No: 2500-01856

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3769	0.461		GPM TOTAL C3+
Carbon Dioxide	2.1077	4.048		GPM TOTAL iC5+
Methane	71.7150	50.203		
Ethane	14.0460	18.430	3.772	
Propane	7.1494	13.757	1.978	
Iso-butane	0.8243	2.091	0.271	
n-Butane	2.2448	5.693	0.711	
Iso-pentane	0.4486	1.412	0.165	
n-Pentane	0.5620	1.769	0.205	
Hexanes Plus	0.5252	2.136	0.230	
	100.0000	100.000	7.332	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7944	3.2176
Calculated Molecular Weight	22.92	93.19
Compressibility Factor	0.9957	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1329	5141
Water Sat. Gas Base BTU	1306	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.