



Certificate of Analysis

Number: 2500-23070061-002A

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: NP F21-J24-28 HNB GPM
Station Number: 68004839
Station Location: NP I-21 Pad
Sample Point: Meter Tube Run
Analyzed: 07/14/2023 17:31:17 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 07/03/2023 12:45
Sample Conditions: 153.60 psig, @ 87.22 °F
Method: GPA-2261M
Cylinder No: 1512

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.4024	0.482		GPM TOTAL C3+
Carbon Dioxide	2.2460	4.226		GPM TOTAL iC5+
Methane	70.7493	48.520		
Ethane	14.4170	18.532	3.872	
Propane	7.1487	13.476	1.978	
Iso-butane	0.7905	1.964	0.260	
n-Butane	2.1573	5.360	0.683	
Iso-pentane	0.4259	1.314	0.156	
n-Pentane	0.5536	1.707	0.202	
Hexanes Plus	1.1092	4.419	0.486	
	100.0000	100.000	7.637	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8110	3.2176
Calculated Molecular Weight	23.39	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	1328	5052
Comments: H2S Field Content 1.00 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.