



Certificate of Analysis

Number: 2500-23070061-004A

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 A11-E14-28 HNB GPM
Station Number: 68004836
Station Location: NP I-21 Pad
Sample Point: Meter Tube Run
Analyzed: 07/14/2023 17:49:55 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 07/03/2023 09:20
Sample Conditions: 154.51 psig, @ 98.38 °F
Method: GPA-2261M
Cylinder No: 453

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3811	0.448		GPM TOTAL C3+
Carbon Dioxide	2.2505	4.157		GPM TOTAL iC5+
Methane	69.8865	47.052		
Ethane	14.5234	18.327	3.901	
Propane	7.3068	13.522	2.022	
Iso-butane	0.8315	2.028	0.273	
n-Butane	2.3075	5.628	0.731	
Iso-pentane	0.4773	1.445	0.175	
n-Pentane	0.6417	1.943	0.234	
Hexanes Plus	1.3936	5.450	0.611	
	100.0000	100.000	7.947	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8263	3.2176
Calculated Molecular Weight	23.83	93.19
Compressibility Factor	0.9953	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1375	5141
Water Sat. Gas Base BTU	1352	5052
Comments: H2S Field Content 0.50 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.