



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+ 7.947	
Nitrogen	0.3811	0.448	GPM TOTAL C3+ 4.046	
Carbon Dioxide	2.2505	4.157	GPM TOTAL iC5+ 1.020	
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.