



Certificate of Analysis

Number: 2500-23050120-005A

Greeley Laboratory
2881 S. 31st Ave
Unit 6-8
Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

May 23, 2023

Station Name: NP E14-A11-23HNB GPM
Station Number: 68004533
Station Location: SNP F-26 PAD
Sample Point: Meter Tube Run
Analyzed: 05/19/2023 17:14:20 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 05/05/2023 10:25
Sample Conditions: 151.05 psig, @ 76.53 °F
Method: GPA-2261M
Cylinder No: 1545

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.812
Nitrogen	0.4043	0.482		GPM TOTAL C3+ 3.862
Carbon Dioxide	2.3538	4.412		GPM TOTAL iC5+ 0.692
Methane	69.8412	47.727		
Ethane	14.7075	18.838	3.950	
Propane	7.8020	14.654	2.159	
Iso-butane	0.8337	2.064	0.274	
n-Butane	2.3293	5.767	0.737	
Iso-pentane	0.4003	1.230	0.147	
n-Pentane	0.4955	1.523	0.180	
Hexanes Plus	0.8322	3.303	0.365	
	100.0000	100.000	7.812	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8139	3.2176
Calculated Molecular Weight	23.48	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1353	5141
Water Sat. Gas Base BTU	1330	5052
Comments: H2S Field Content 2.00 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.