



Certificate of Analysis

Number: 2500-23070114-005A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

July 24, 2023

Station Name: SNP A11-35-2XRLNC GPM
Station Number: 68004699
Station Location: SNP I-26 Pad
Sample Point: Meter Tube Run
Analyzed: 07/24/2023 15:49:44 by SO

Sampled By: Paul Renslow
Sample Of: Gas Spot
Sample Date: 07/10/2023 10:00
Sample Conditions: 143.46 psig, @ 88.65 °F
Method: GPA-2261M
Cylinder No: 1281

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+ 7.870	
Nitrogen	0.4895	0.580	GPM TOTAL C3+ 4.010	
Carbon Dioxide	2.2177	4.128	GPM TOTAL iC5+ 0.822	
Methane	69.8605	47.405		
Ethane	14.3691	18.275	3.860	
Propane	7.8035	14.554	2.159	
Iso-butane	0.8413	2.068	0.277	
n-Butane	2.3753	5.839	0.752	
Iso-pentane	0.4453	1.359	0.164	
n-Pentane	0.5684	1.735	0.207	
Hexanes Plus	1.0293	4.057	0.451	
	100.0000	100.000	7.870	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8198	3.2176
Calculated Molecular Weight	23.64	93.19
Compressibility Factor	0.9954	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1364	5141
Water Sat. Gas Base BTU	1341	5052

Comments: H2S Field Content 1.0 ppm

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.