



Certificate of Analysis

Number: 2500-24020007-003A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Feb. 05, 2024

Station Name: Big Sandy 3-65 36-31 2 DH
Sample Point: Separator
Cylinder No: 679
Analyzed: 02/05/2024 14:51:06 by VRM

Sampled By: Eder Gomez
Sample Of: Gas Spot
Sample Date: 01/25/2024
Sample Conditions: 149 psig, @ 72.3 °F
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0004	0.001		GPM TOTAL C2+
Nitrogen	1.0359	1.243		GPM TOTAL C3+
Carbon Dioxide	2.4499	4.617		GPM TOTAL iC5+
Methane	70.6200	48.515		
Ethane	12.6351	16.270	3.393	
Propane	8.3388	15.746	2.307	
Iso-butane	0.9127	2.272	0.300	
n-Butane	2.4863	6.188	0.787	
Iso-pentane	0.4632	1.431	0.170	
n-Pentane	0.5593	1.728	0.204	
Hexanes Plus	0.4984	1.989	0.218	
	100.0000	100.000	7.379	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8095	3.2176
Calculated Molecular Weight	23.35	93.19
Compressibility Factor	0.9956	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1333	5141
Water Sat. Gas Base BTU	1310	5052

Comments: H2S Field Content 4 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.