



Certificate of Analysis

Number: 2500-24020007-002A

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 CH
Sample Point: Separator
Cylinder No: 1517
Analyzed: 02/05/2024 14:40:14 by VRM

Sampled By: Eder Gomez
Sample Of: Gas Spot
Sample Date: 01/25/2024
Sample Conditions: 149 psig, @ 73 °F
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0005	0.001		GPM TOTAL C2+
Nitrogen	1.1570	1.397		GPM TOTAL C3+
Carbon Dioxide	2.9474	5.591		GPM TOTAL iC5+
Methane	70.9696	49.077		
Ethane	12.5381	16.251	3.367	
Propane	7.8499	14.920	2.171	
Iso-butane	0.8214	2.058	0.270	
n-Butane	2.2414	5.615	0.709	
Iso-pentane	0.4545	1.413	0.167	
n-Pentane	0.4638	1.442	0.169	
Hexanes Plus	0.5564	2.235	0.244	
	100.0000	100.000	7.097	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8041	3.2176
Calculated Molecular Weight	23.20	93.19
Compressibility Factor	0.9957	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1310	5141
Water Sat. Gas Base BTU	1288	5052

Comments: H2S Field Content 5 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.