



Certificate of Analysis
Number: 2500-24020007-004A

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 BH
Sample Point: Separator
Cylinder No: 1597
Analyzed: 02/05/2024 14:59:06 by VRM

Sampled By: Eder Gomez
Sample Of: Gas Spot
Sample Date: 01/25/2024
Sample Conditions: 149 psig, @ 72.5 °F
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0005	0.001		GPM TOTAL C2+ 7.603
Nitrogen	1.0326	1.224		GPM TOTAL C3+ 4.174
Carbon Dioxide	2.4769	4.614		GPM TOTAL iC5+ 0.627
Methane	69.8791	47.455		
Ethane	12.7671	16.251	3.429	
Propane	8.4964	15.860	2.351	
Iso-butane	0.9621	2.367	0.316	
n-Butane	2.7790	6.837	0.880	
Iso-pentane	0.4964	1.516	0.182	
n-Pentane	0.5654	1.727	0.206	
Hexanes Plus	0.5445	2.148	0.239	
	100.0000	100.000	7.603	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8190	3.2176
Calculated Molecular Weight	23.62	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1347	5141
Water Sat. Gas Base BTU	1324	5052

Comments: H2S Field Content 5 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.