



Certificate of Analysis

Number: 2500-24020007-001A

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 AH
Sample Point: Separator
Cylinder No: 752
Analyzed: 02/05/2024 14:30:31 by VRM

Sampled By: Eder Gomez
Sample Of: Gas Spot
Sample Date: 01/25/2024
Sample Conditions: 149 psig, @ 72.8 °F
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0005	0.001		GPM TOTAL C2+
Nitrogen	1.0391	1.228		GPM TOTAL C3+
Carbon Dioxide	2.4352	4.521		GPM TOTAL iC5+
Methane	70.1399	47.466		
Ethane	12.4205	15.754	3.336	
Propane	8.2693	15.382	2.288	
Iso-butane	0.9890	2.425	0.325	
n-Butane	2.8587	7.009	0.905	
Iso-pentane	0.5560	1.692	0.204	
n-Pentane	0.6263	1.906	0.228	
Hexanes Plus	0.6655	2.616	0.292	
	100.0000	100.000	7.578	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8219	3.2176
Calculated Molecular Weight	23.71	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1352	5141
Water Sat. Gas Base BTU	1329	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.