



Certificate of Analysis

Number: 2500-21120125-004A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Dec. 30, 2021

Station Name: AZ Fed SE3 4-62-2-4841CN Prd
Station Number: 20229
Station Location: AZ Fed SE3 4-62-2
Sample Point: Tube
Analyzed: 12/22/2021 15:00:46 by RGA

Sampled By: Wally Young
Sample Of: Gas Spot
Sample Date: 12/13/2021 09:50
Sample Conditions: 120.01 psig, @ 111.57 °F
Method: GPA-2261M
Cylinder No: 2500-00604

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+
Nitrogen	0.8187	0.966		GPM TOTAL C3+
Carbon Dioxide	2.3625	4.381		GPM TOTAL iC5+
Methane	70.3108	47.531		
Ethane	12.1407	15.383	3.261	
Propane	8.6029	15.985	2.380	
Iso-butane	0.9165	2.245	0.301	
n-Butane	2.9935	7.332	0.948	
Iso-pentane	0.5529	1.681	0.203	
n-Pentane	0.6929	2.107	0.252	
Hexanes Plus	0.6084	2.389	0.267	
	100.0000	100.000	7.612	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8228	3.2176
Calculated Molecular Weight	23.73	93.19
Compressibility Factor	0.9954	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1359	5141
Water Sat. Gas Base BTU	1336	5052
Comments: H2S Field Content 2 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.