



Certificate of Analysis

Number: 2500-22030200-001A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Mar. 31, 2022

Station Name: Greasewood 8-18H Prod Mtr
Station Number: 18289
Station Location: Greasewood 8-18H
Sample Point: Tube
Analyzed: 03/31/2022 10:03:03 by SO

Sampled By: Cody Payton
Sample Of: Gas Spot
Sample Date: 03/21/2022 13:45
Sample Conditions: 84.68 psig, @ 42.03 °F
Method: GPA-2261M
Cylinder No: 2500-00049

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0004	0.001		GPM TOTAL C2+ 6.139
Nitrogen	0.7412	0.945		GPM TOTAL C3+ 2.919
Carbon Dioxide	2.6924	5.391		GPM TOTAL iC5+ 0.370
Methane	74.7645	54.575		
Ethane	11.9981	16.415	3.220	
Propane	6.5486	13.139	1.811	
Iso-butane	0.5880	1.555	0.193	
n-Butane	1.7229	4.556	0.545	
Iso-pentane	0.2687	0.882	0.099	
n-Pentane	0.3355	1.101	0.122	
Hexanes Plus	0.3397	1.440	0.149	
	100.0000	100.000	6.139	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7614	3.2176
Calculated Molecular Weight	21.98	93.19
Compressibility Factor	0.9962	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1257	5141
Water Sat. Gas Base BTU	1235	5052

Comments: H2S Field Content 3.5 ppm

Data reviewed by: Carson Souther, Laboratory Analyst

Quality Assurance:

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.