



Certificate of Analysis

Number: 2500-21110108-004A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas (formerly Bonanza Creek)
4301 Industrial Parkway
Evans, CO 80620

Nov. 19, 2021

Station Name: Kunsemiller 5-61-20-0801B2B Prd
Station Number: 19524
Station Location: Kunsemiller 5-61-20
Sample Point: Tube
Analyzed: 11/19/2021 08:57:49 by RGA

Sampled By: Dani Jeffress
Sample Of: Gas Spot
Sample Date: 11/03/2021 11:20
Sample Conditions: 77.32 psig, @ 61.00 °F
Method: GPA-2261M
Cylinder No: 2500-00630

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+ 8.489
Nitrogen	0.6894	0.783		GPM TOTAL C3+ 5.062
Carbon Dioxide	2.3633	4.216		GPM TOTAL iC5+ 0.828
Methane	67.5090	43.902		
Ethane	12.7539	15.546	3.427	
Propane	9.6991	17.337	2.685	
Iso-butane	1.1137	2.624	0.366	
n-Butane	3.7335	8.796	1.183	
Iso-pentane	0.6723	1.966	0.247	
n-Pentane	0.8292	2.425	0.302	
Hexanes Plus	0.6366	2.405	0.279	
	100.0000	100.000	8.489	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8557	3.2176
Calculated Molecular Weight	24.67	93.19
Compressibility Factor	0.9950	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1413	5141
Water Sat. Gas Base BTU	1389	5052

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.