



Certificate of Analysis

Number: 2500-21090078-001A

Greeley Laboratory
2881 S. 31st Ave
Unit 6-8
Greeley, CO 80631

Tony Walton
Bonanza Creek
4301 Industrial Parkway
Evans, CO 80620

Sep. 16, 2021

Station Name: Ansch St 5-62-26-4956C Inj
Station Number: 19903_GL
Station Location: Ansch St 5-62-26 SW
Sample Point: Tube
Analyzed: 09/15/2021 13:57:10 by RGA

Sampled By: Wally Young
Sample Of: Gas Spot
Sample Date: 09/07/2021 08:07
Sample Conditions: 958.65 psig, @ 109.93 °F
Method: GPA-2261M
Cylinder No: 2500-00978

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.0005	0.001		GPM TOTAL C2+	6.239
Nitrogen	0.8742	1.107		GPM TOTAL C3+	3.063
Carbon Dioxide	2.3529	4.682		GPM TOTAL iC5+	0.509
Methane	74.7767	54.242			
Ethane	11.8316	16.087	3.176		
Propane	6.5287	13.017	1.805		
Iso-butane	0.5778	1.519	0.190		
n-Butane	1.7656	4.640	0.559		
Iso-pentane	0.3293	1.074	0.121		
n-Pentane	0.4478	1.461	0.163		
Hexanes Plus	0.5149	2.170	0.225		
	100.0000	100.000	6.239		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7663	3.2176
Calculated Molecular Weight	22.12	93.19
Compressibility Factor	0.9961	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1271	5141
Water Sat. Gas Base BTU	1249	5052
Comments: H2S Field Content 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.