



Certificate of Analysis

Number: 2500-21100021-004A

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

Tony Walton
Bonanza Creek
4301 Industrial Parkway
Evans, CO 80620

Oct. 07, 2021

Station Name: Ansch St 5-62-35-1724CH2 Inj
Station Number: 18990_GL
Station Location: Ansch St 5-62-35 NW
Sample Point: Tube
Analyzed: 10/07/2021 13:18:10 by RGA

Sampled By: Wally Young
Sample Of: Gas Spot
Sample Date: 09/29/2021 10:16
Sample Conditions: 945.63 psig, @ 100.86 °F
Method: GPA-2261M
Cylinder No: 2500-00580

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	ND		GPM TOTAL C2+
Nitrogen	0.8538	1.069		GPM TOTAL C3+
Carbon Dioxide	2.3736	4.669		GPM TOTAL iC5+
Methane	73.9942	53.061		
Ethane	12.0262	16.164	3.228	
Propane	6.8142	13.431	1.884	
Iso-butane	0.6215	1.615	0.204	
n-Butane	1.9153	4.976	0.606	
Iso-pentane	0.3682	1.187	0.135	
n-Pentane	0.5036	1.624	0.183	
Hexanes Plus	0.5291	2.204	0.232	
	100.0000	100.000	6.472	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7752	3.2176
Calculated Molecular Weight	22.37	93.19
Compressibility Factor	0.9960	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1284	5141
Water Sat. Gas Base BTU	1263	5052
Comments: H2S Field Content 3 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.