



Certificate of Analysis

Number: 2500-21100200-003A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Bonanza Creek
4301 Industrial Parkway
Evans, CO 80620

Nov. 03, 2021

Station Name: ANT FED T34-20-17 XRLNB GPM
Station Number: 68005068
Station Location: ANT O-20 Pad
Sample Point: Meter Tube Run
Analyzed: 11/03/2021 13:06:06 by RGA

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 10/19/2021 13:40
Sample Conditions: 138.80 psig, @ 102.83 °F
Method: GPA-2261M
Cylinder No: 2500-00467

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	ND		GPM TOTAL C2+ 7.339
Nitrogen	0.5923	0.714		GPM TOTAL C3+ 3.832
Carbon Dioxide	2.2911	4.337		GPM TOTAL iC5+ 0.747
Methane	71.5091	49.348		
Ethane	13.0586	16.890	3.507	
Propane	7.4158	14.066	2.052	
Iso-butane	0.7835	1.959	0.257	
n-Butane	2.4499	6.125	0.776	
Iso-pentane	0.4960	1.539	0.182	
n-Pentane	0.6676	2.072	0.243	
Hexanes Plus	0.7359	2.950	0.322	
	100.0000	100.000	7.339	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8059	3.2176
Calculated Molecular Weight	23.25	93.19
Compressibility Factor	0.9956	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1339	5141
Water Sat. Gas Base BTU	1316	5052

Comments: H2S Field Content 1.50 ppm

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.