



Certificate of Analysis

Number: 2500-21100205-001A

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

Tony Walton
Bonanza Creek
4301 Industrial Parkway
Evans, CO 80620

Nov. 04, 2021

Station Name: ANT Y44-U41-18HNC GLM
Station Number: 66010126
Station Location: ANT 18-I Pad
Sample Point: Meter Tube Run
Analyzed: 11/04/2021 06:36:08 by RGA

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 10/26/2021 13:45
Sample Conditions: 1095.40 psig, @ 100.00 °F
Method: GPA-2261M
Cylinder No: 2500-00352

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	ND		GPM TOTAL C2+
Nitrogen	0.5080	0.638		GPM TOTAL C3+
Carbon Dioxide	2.2202	4.381		GPM TOTAL iC5+
Methane	73.3021	52.733		
Ethane	13.6032	18.341	3.652	
Propane	6.7432	13.333	1.865	
Iso-butane	0.6576	1.714	0.216	
n-Butane	1.8157	4.732	0.575	
Iso-pentane	0.3169	1.025	0.116	
n-Pentane	0.3995	1.292	0.145	
Hexanes Plus	0.4334	1.811	0.190	
	100.0000	100.000	6.759	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7728	3.2176
Calculated Molecular Weight	22.30	93.19
Compressibility Factor	0.9960	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1290	5141
Water Sat. Gas Base BTU	1268	5052
Comments: H2S Field Content 2.25 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.