



Certificate of Analysis

Number: 2500-21080124-002A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Bonanza Creek
4301 Industrial Parkway
Evans, CO 80620

Aug. 19, 2021

Station Name: NP P31-T34-34HC GPM
Station Number: 68011407
Station Location: NP T-27 Pad
Cylinder No: 2500-00833
Analyzed: 08/19/2021 12:14:44 by RGA

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/10/2021 10:50
Sample Conditions: 151.45 psig, @ 98.96 °F
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	ND		GPM TOTAL C2+
Nitrogen	0.4016	0.480		GPM TOTAL C3+
Carbon Dioxide	2.1971	4.125		GPM TOTAL iC5+
Methane	69.9201	47.858		
Ethane	14.5673	18.689	3.912	
Propane	7.7480	14.577	2.144	
Iso-butane	0.9042	2.242	0.297	
n-Butane	2.6023	6.453	0.824	
Iso-pentane	0.5089	1.567	0.187	
n-Pentane	0.6292	1.937	0.229	
Hexanes Plus	0.5212	2.072	0.228	
	100.0000	100.000	7.821	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8126	3.2176
Calculated Molecular Weight	23.44	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1355	5141
Water Sat. Gas Base BTU	1332	5052

Comments: H2S Field Content 1.00 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.