



Certificate of Analysis

Number: 2500-21080124-004A

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 K31-O34-34HNB GPM
Station Number: 68011405
Station Location: NP T-27 Pad
Cylinder No: 2500-00810
Analyzed: 08/19/2021 12:46:40 by RGA

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/10/2021 12:50
Sample Conditions: 152.67 psig, @ 98.98 °F
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	ND		GPM TOTAL C2+ 7.716
Nitrogen	0.4182	0.502		GPM TOTAL C3+ 3.824
Carbon Dioxide	2.2062	4.162		GPM TOTAL iC5+ 0.636
Methane	70.2501	48.303		
Ethane	14.4914	18.677	3.892	
Propane	7.5543	14.278	2.090	
Iso-butane	0.8853	2.205	0.291	
n-Butane	2.5496	6.352	0.807	
Iso-pentane	0.5134	1.588	0.189	
n-Pentane	0.6497	2.009	0.236	
Hexanes Plus	0.4817	1.924	0.211	
	100.0000	100.000	7.716	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8088	3.2176
Calculated Molecular Weight	23.33	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1348	5141
Water Sat. Gas Base BTU	1326	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.