



Certificate of Analysis

Number: 2500-21080124-001A

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-T34-34HNB GPM
Station Number: 68011408
Station Location: NP T-27 Pad
Cylinder No: 2500-00030
Analyzed: 08/19/2021 11:53:33 by RGA

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/10/2021 10:09
Sample Conditions: 149.0 psig, @ 75.04 °F
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	ND		GPM TOTAL C2+ 7.640
Nitrogen	0.4268	0.515		GPM TOTAL C3+ 3.725
Carbon Dioxide	2.2283	4.221		GPM TOTAL iC5+ 0.620
Methane	70.4598	48.654		
Ethane	14.5795	18.870	3.915	
Propane	7.3785	14.004	2.041	
Iso-butane	0.8608	2.153	0.283	
n-Butane	2.4679	6.174	0.781	
Iso-pentane	0.4907	1.524	0.180	
n-Pentane	0.6152	1.910	0.224	
Hexanes Plus	0.4924	1.975	0.216	
	100.0000	100.000	7.640	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8054	3.2176
Calculated Molecular Weight	23.23	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1342	5141
Water Sat. Gas Base BTU	1320	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.