



Certificate of Analysis

Number: 2500-21080124-008A

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 21-24-34 HNB GLM
Station Number: 66010357
Station Location: NP T-27 Pad
Sample Point: Meter Tube Run
Analyzed: 08/19/2021 13:46:19 by RGA

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/11/2021 11:10
Sample Conditions: 928.46 psig, @ 103.13 °F
Method: GPA-2261M
Cylinder No: 2500-00726

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	ND		GPM TOTAL C2+
Nitrogen	0.5740	0.719		GPM TOTAL C3+
Carbon Dioxide	2.1666	4.264		GPM TOTAL iC5+
Methane	72.4311	51.958		
Ethane	14.4923	19.485	3.890	
Propane	6.7912	13.390	1.878	
Iso-butane	0.6891	1.791	0.226	
n-Butane	1.8309	4.758	0.579	
Iso-pentane	0.3039	0.980	0.112	
n-Pentane	0.3696	1.192	0.134	
Hexanes Plus	0.3511	1.463	0.154	
	100.0000	100.000	6.973	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7750	3.2176
Calculated Molecular Weight	22.36	93.19
Compressibility Factor	0.9960	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1294	5141
Water Sat. Gas Base BTU	1272	5052

Comments: H2S Field Content 1.75 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.