



Certificate of Analysis

Number: 2500-21080124-003A

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 K21-O24-34HNC GPM
Station Number: 68011409
Station Location: NP T-27 Pad
Cylinder No: 2500-01837
Analyzed: 08/19/2021 12:30:19 by RGA

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 08/10/2021 15:00
Sample Conditions: 150.81 psig, @ 91.04 °F
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	ND		GPM TOTAL C2+
Nitrogen	0.4010	0.477		GPM TOTAL C3+
Carbon Dioxide	2.2064	4.123		GPM TOTAL iC5+
Methane	69.5758	47.390		
Ethane	14.8555	18.966	3.990	
Propane	7.6374	14.299	2.113	
Iso-butane	0.9033	2.229	0.297	
n-Butane	2.6062	6.432	0.825	
Iso-pentane	0.5371	1.645	0.197	
n-Pentane	0.6880	2.108	0.250	
Hexanes Plus	0.5891	2.331	0.258	
	100.0000	100.000	7.930	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8166	3.2176
Calculated Molecular Weight	23.55	93.19
Compressibility Factor	0.9955	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1361	5141
Water Sat. Gas Base BTU	1338	5052

Comments: H2S Field Content 1.50 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.