



Certificate of Analysis

Number: 2500-24020213-003A

Greeley Laboratory
2881 S. 31st Ave
Unit 6-8
Greeley, CO 80631

Tony Walton
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4301 Industrial Parkway
Evans, CO 80620

Mar. 01, 2024

Station Name: ANT FED O34-K31-20HNB GPM
Station Number: 68005066
Station Location: ANT O-20 Pad
Sample Point: Meter Tube Run
Analyzed: 02/29/2024 18:27:27 by VRM

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 02/13/2024 14:05
Sample Conditions: 167.07 psig, @ 119.75 °F
Method: GPA-2261M
Cylinder No: 1605

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.575
Nitrogen	0.9990	1.196		GPM TOTAL C3+ 4.004
Carbon Dioxide	2.2415	4.215		GPM TOTAL iC5+ 0.583
Methane	70.1392	48.076		
Ethane	13.2976	17.084	3.571	
Propane	8.3852	15.798	2.320	
Iso-butane	0.8796	2.184	0.289	
n-Butane	2.5657	6.371	0.812	
Iso-pentane	0.4332	1.335	0.159	
n-Pentane	0.5288	1.630	0.192	
Hexanes Plus	0.5301	2.111	0.232	
	100.0000	100.000	7.575	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8114	3.2176
Calculated Molecular Weight	23.40	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	1319	5052
Comments: H2S Field Content 1.00 ppm		

Ryleigh Jacobs

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.