



Certificate of Analysis

Number: 2500-23110031-001A

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

Tony Walton
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4301 Industrial Parkway
Evans, CO 80620

Nov. 08, 2023

Station Name: ANT FED O34-K31-20HNB GLM
Station Number: 66005074
Station Location: ANT O-20 Pad
Sample Point: Meter Tube Run
Analyzed: 11/08/2023 09:06:57 by VRM

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 10/26/2023 10:10
Sample Conditions: 1208.05 psig, @ 133.00 °F
Method: GPA-2261M
Cylinder No: V1344

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+ 7.807
Nitrogen	0.5095	0.611		GPM TOTAL C3+ 3.971
Carbon Dioxide	2.3501	4.426		GPM TOTAL iC5+ 0.416
Methane	69.4600	47.688		
Ethane	14.2837	18.381	3.836	
Propane	8.8779	16.753	2.456	
Iso-butane	0.9063	2.254	0.298	
n-Butane	2.5298	6.293	0.801	
Iso-pentane	0.3721	1.149	0.137	
n-Pentane	0.4315	1.332	0.157	
Hexanes Plus	0.2791	1.113	0.122	
	100.0000	100.000	7.807	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8101	3.2176
Calculated Molecular Weight	23.37	93.19
Compressibility Factor	0.9956	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1345	5141
Water Sat. Gas Base BTU	1322	5052
Comments: H2S Field Content 0.00 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.