



Certificate of Analysis

Number: 2500-23090221-002A

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

Tony Walton
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4301 Industrial Parkway
Evans, CO 80620

Sep. 29, 2023

Station Name: State Antelope 41-44-28 HNB GPM
Station Number: 68004471
Station Location: ANT T-21 Pad
Sample Point: Meter Tube Run
Analyzed: 09/29/2023 12:26:01 by SO

Sampled By: Micah Hershberger
Sample Of: Gas Spot
Sample Date: 09/07/2023 11:41
Sample Conditions: 184 psig, @ 77 °F
Method: GPA-2261M
Cylinder No: 833

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 8.534
Nitrogen	0.5722	0.660		GPM TOTAL C3+ 4.726
Carbon Dioxide	2.2584	4.095		GPM TOTAL iC5+ 0.521
Methane	67.1641	44.397		
Ethane	14.1735	17.560	3.808	
Propane	10.0434	18.248	2.780	
Iso-butane	1.1097	2.658	0.365	
n-Butane	3.3474	8.016	1.060	
Iso-pentane	0.4016	1.194	0.148	
n-Pentane	0.4572	1.359	0.166	
Hexanes Plus	0.4723	1.813	0.207	
	100.0000	100.000	8.534	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8417	3.2176
Calculated Molecular Weight	24.27	93.19
Compressibility Factor	0.9952	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1396	5141
Water Sat. Gas Base BTU	1372	5052
Comments: H2S Field Content 2.0 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.