



Certificate of Analysis

Number: 2500-23090189-002A

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

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4301 Industrial Parkway
Evans, CO 80620

Sep. 28, 2023

Station Name: Antelope A-E-15 HNC GPM
Station Number: 68011295
Station Location: ANT F-15 Pad
Sample Point: Meter Tube Run
Analyzed: 09/28/2023 14:33:49 by SO

Sampled By: Paul Renslow
Sample Of: Gas Spot
Sample Date: 09/08/2023 10:00
Sample Conditions: 197.15 psig, @ 81.64 °F
Method: GPA-2261M
Cylinder No: 1056

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.102
Nitrogen	0.6203	0.765		GPM TOTAL C3+ 3.428
Carbon Dioxide	2.4463	4.738		GPM TOTAL iC5+ 0.376
Methane	71.7261	50.645		
Ethane	13.6830	18.108	3.674	
Propane	7.7212	14.985	2.135	
Iso-butane	0.7440	1.903	0.244	
n-Butane	2.1257	5.438	0.673	
Iso-pentane	0.2241	0.712	0.082	
n-Pentane	0.2182	0.693	0.079	
Hexanes Plus	0.4909	2.013	0.215	
	100.0000	100.000	7.102	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7875	3.2176
Calculated Molecular Weight	22.72	93.19
Compressibility Factor	0.9959	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1306	5141
Water Sat. Gas Base BTU	1284	5052
Comments: H2S Field Content 2.0 ppm		

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.