



Certificate of Analysis  
 Number: 2500-21090084-002A

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. 17, 2021

Station Name: Antelope T34-P31-21 HNC GPM  
 Station Number: 68004469  
 Station Location: ANT T-21 Pad  
 Sample Point: Meter Run  
 Analyzed: 09/17/2021 09:52:42 by RGA

Sampled By: Patrick Purcell  
 Sample Of: Gas Spot  
 Sample Date: 09/09/2021 11:12  
 Sample Conditions: 112.2 psig, @ 75.13 °F  
 Method: GPA-2261M  
 Cylinder No: 2500-00587

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	ND	GPM TOTAL C2+	13.408
Nitrogen	0.3326	0.316	GPM TOTAL C3+	8.853
Carbon Dioxide	2.0769	3.097	GPM TOTAL iC5+	1.070
Methane	51.2941	27.881		
Ethane	16.9103	17.228	4.555	
Propane	17.0749	25.511	4.738	
Iso-butane	2.3042	4.538	0.760	
n-Butane	7.1964	14.172	2.285	
Iso-pentane	1.0608	2.593	0.391	
n-Pentane	1.2078	2.953	0.441	
Hexanes Plus	0.5418	1.711	0.238	
	100.0000	100.000	13.408	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	1.0263	3.2176
Calculated Molecular Weight	29.51	93.19
Compressibility Factor	0.9925	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1692	5141
Water Sat. Gas Base BTU	1663	5052

**Comments:** H2S Field Content 1.5 ppm

Data reviewed by: Matthew Loveley, Laboratory Manager

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