



Certificate of Analysis  
 Number: 2500-23070010-001A

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

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 Civitas Resources  
 4301 Industrial Parkway  
 Evans, CO 80620

July 05, 2023

Station Name: SA 12-42-2HNB GLM  
 Station Number: 66010337  
 Station Location: SA B-2 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 07/05/2023 14:56:42 by SO

Sampled By: Paul Renslow  
 Sample Of: Gas Spot  
 Sample Date: 06/19/2023 11:00  
 Sample Conditions: 1066.53 psig, @ 91.96 °F  
 Method: GPA-2261M  
 Cylinder No: 102

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL	GPM TOTAL C2+ 6.767	
Nitrogen	0.7803	0.976	GPM TOTAL C3+ 3.210	
Carbon Dioxide	2.4649	4.844	GPM TOTAL iC5+ 0.353	
Methane	72.6550	52.050		
Ethane	13.2506	17.792	3.557	
Propane	7.6100	14.985	2.104	
Iso-butane	0.6251	1.622	0.205	
n-Butane	1.7308	4.492	0.548	
Iso-pentane	0.2116	0.682	0.078	
n-Pentane	0.2536	0.817	0.092	
Hexanes Plus	0.4181	1.740	0.183	
	100.0000	100.000	6.767	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7760	3.2176
Calculated Molecular Weight	22.39	93.19
Compressibility Factor	0.9960	

**GPA 2172 Calculation:**

**Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F**

Real Gas Dry BTU	1285	5141
Water Sat. Gas Base BTU	1263	5052

**Comments:** H2S Field Content 0.0 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.