



Certificate of Analysis

Number: 2500-23070061-005A

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

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

July 17, 2023

Station Name: NP F-J-28 HNC GPM
Station Number: 68004838
Station Location: NP I-21 Pad
Sample Point: Meter Tube Run
Analyzed: 07/14/2023 18:02:48 by SO

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 07/03/2023 11:50
Sample Conditions: 154.35 psig, @ 91.69 °F
Method: GPA-2261M
Cylinder No: 581

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.291
Nitrogen	0.4261	0.522		GPM TOTAL C3+ 3.429
Carbon Dioxide	2.2700	4.367		GPM TOTAL iC5+ 0.605
Methane	71.6276	50.236		
Ethane	14.3848	18.909	3.862	
Propane	7.0744	13.637	1.957	
Iso-butane	0.7396	1.879	0.243	
n-Butane	1.9711	5.008	0.624	
Iso-pentane	0.3402	1.073	0.125	
n-Pentane	0.4152	1.310	0.151	
Hexanes Plus	0.7509	3.059	0.329	
	100.0000	100.000	7.291	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7929	3.2176
Calculated Molecular Weight	22.87	93.19
Compressibility Factor	0.9957	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1322	5141
Water Sat. Gas Base BTU	1299	5052
Comments: H2S Field Content 1.00 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.