



Certificate of Analysis
 Number: 2500-23080215-010A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

Sep. 01, 2023

Station Name: SSH 34-5-32XRLN GPM
 Station Number: 68017946
 Station Location: SH J-5 Pad
 Sample Point: Meter Tube Run
 Analyzed: 09/01/2023 09:03:22 by SO

Sampled By: Paul Renslow
 Sample Of: Gas Spot
 Sample Date: 08/23/2023 11:00
 Sample Conditions: 253.62 psig, @ 123.09 °F
 Method: GPA-2261M
 Cylinder No: 174

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	NIL	GPM TOTAL C2+ 7.224	
Nitrogen	0.7628	0.923	GPM TOTAL C3+ 3.838	
Carbon Dioxide	2.0398	3.879	GPM TOTAL iC5+ 0.742	
Methane	72.0294	49.930		
Ethane	12.6084	16.382	3.386	
Propane	7.6307	14.539	2.111	
Iso-butane	0.7599	1.908	0.250	
n-Butane	2.3218	5.831	0.735	
Iso-pentane	0.4005	1.249	0.147	
n-Pentane	0.5118	1.596	0.186	
Hexanes Plus	0.9346	3.763	0.409	
	100.0000	100.000	7.224	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8023	3.2176
Calculated Molecular Weight	23.14	93.19
Compressibility Factor	0.9956	

GPA 2172 Calculation:
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1336	5141
Water Sat. Gas Base BTU	1314	5052

Comments: H2S Field Content 3.0 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.