



Certificate of Analysis
 Number: 2500-23100057-003A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

Oct. 12, 2023

Station Name: SA 11-41-2HNB GPM
 Station Number: 68011358
 Station Location: SA 14-2 Pad
 Sample Point: Meter Tube Run
 Analyzed: 10/12/2023 08:44:35 by RHJ

Sampled By: Paul Renslow
 Sample Of: Gas Spot
 Sample Date: 09/29/2023 11:00
 Sample Conditions: 113.19 psig, @ 93.76 °F
 Method: GPA-2261M
 Cylinder No: 1295

Analytical Data

| Components | Mol. % | Wt. % | GPM at 14.73 psia | |
|------------------|----------|---------|----------------------|--|
| Hydrogen Sulfide | 0.0001 | NIL | GPM TOTAL C2+ 9.118 | |
| Nitrogen | 0.6201 | 0.690 | GPM TOTAL C3+ 5.324 | |
| Carbon Dioxide | 2.5400 | 4.439 | GPM TOTAL iC5+ 0.832 | |
| Methane | 65.1329 | 41.489 | | |
| Ethane | 14.1153 | 16.853 | 3.794 | |
| Propane | 10.6359 | 18.623 | 2.945 | |
| Iso-butane | 1.1773 | 2.717 | 0.387 | |
| n-Butane | 3.6617 | 8.451 | 1.160 | |
| Iso-pentane | 0.5943 | 1.703 | 0.218 | |
| n-Pentane | 0.7169 | 2.054 | 0.261 | |
| Hexanes Plus | 0.8055 | 2.981 | 0.353 | |
| | 100.0000 | 100.000 | 9.118 | |

| Calculated Physical Properties | Total | C6+ |
|--|--------|--------|
| Relative Density Real Gas | 0.8738 | 3.2176 |
| Calculated Molecular Weight | 25.18 | 93.19 |
| Compressibility Factor | 0.9948 | |
| GPA 2172 Calculation: | | |
| Calculated Gross BTU per ft³ @ 14.73 psia & 60°F | | |
| Real Gas Dry BTU | 1438 | 5141 |
| Water Sat. Gas Base BTU | 1413 | 5052 |

Comments: H2S Field Content 1.0 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.