



Certificate of Analysis
 Number: 2500-22040131-001A

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

Tony Walton
 Civitas Resources
 4301 Industrial Parkway
 Evans, CO 80620

Apr. 20, 2022

Station Name: SA C12-W42-2 HNC GL
 Station Number: 66010336
 Station Location: SA B-2
 Sample Point: Meter Tube
 Analyzed: 04/20/2022 12:16:58 by SO

Sampled By: Russ Fox
 Sample Of: Gas Spot
 Sample Date: 04/14/2022 11:25
 Sample Conditions: 1110.22 psig, @ 58.06 °F
 Method: GPA-2261M
 Cylinder No: 2500-00851

Analytical Data

| Components | Mol. % | Wt. % | GPM at 14.73 psia | |
|------------------|----------|---------|----------------------|--|
| Hydrogen Sulfide | NIL | NIL | GPM TOTAL C2+ 8.946 | |
| Nitrogen | 0.5918 | 0.669 | GPM TOTAL C3+ 5.128 | |
| Carbon Dioxide | 2.3057 | 4.096 | GPM TOTAL iC5+ 0.608 | |
| Methane | 65.7362 | 42.572 | | |
| Ethane | 14.2075 | 17.246 | 3.818 | |
| Propane | 10.8036 | 19.231 | 2.991 | |
| Iso-butane | 1.1805 | 2.770 | 0.388 | |
| n-Butane | 3.6027 | 8.453 | 1.141 | |
| Iso-pentane | 0.5343 | 1.556 | 0.196 | |
| n-Pentane | 0.5844 | 1.702 | 0.213 | |
| Hexanes Plus | 0.4533 | 1.705 | 0.199 | |
| | 100.0000 | 100.000 | 8.946 | |

| Calculated Physical Properties | Total | C6+ |
|--------------------------------|--------|--------|
| Relative Density Real Gas | 0.8593 | 3.2176 |
| Calculated Molecular Weight | 24.77 | 93.19 |
| Compressibility Factor | 0.9950 | |

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

| | | |
|-------------------------|------|------|
| Real Gas Dry BTU | 1422 | 5141 |
| Water Sat. Gas Base BTU | 1397 | 5052 |

Comments: H2S Field Content 0.00 ppm

Data reviewed by: Carson Souther, Laboratory Analyst

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