



# Certificate of Analysis

Number: 2500-25080067-001A

**Greeley Laboratory**

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Station Name: SPH W42-29-30 XRLNB GLM  
Station Number: 66004652  
Station Location: PH B-28 Pad  
Sample Point: Meter Tube Run  
Cylinder No: 941  
Instrument: Agilent 990, 1  
Analyzed: 08/12/2025 16:26:23 by ACR

Report Date: 08/13/2025  
Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Conditions: 921.01 psia, @ 86.54 °F  
Sample Date: 07/29/2025 10:48  
Received Date: 08/04/2025  
Login Date: 08/11/2025  
Method: GPA-2261M

## Analytical Data

| Components       | Mol. %   | Wt. %   | GPM at<br>14.73 psia |                |       |
|------------------|----------|---------|----------------------|----------------|-------|
| Hydrogen Sulfide | 0.0002   | NIL     |                      | GPM TOTAL C2+  | 6.671 |
| Nitrogen         | 0.9064   | 1.131   |                      | GPM TOTAL C3+  | 3.374 |
| Carbon Dioxide   | 2.4656   | 4.835   |                      | GPM TOTAL iC5+ | 0.323 |
| Methane          | 72.9067  | 52.121  |                      |                |       |
| Ethane           | 12.2803  | 16.455  | 3.297                |                |       |
| Propane          | 7.9115   | 15.546  | 2.188                |                |       |
| Iso-butane       | 0.6874   | 1.780   | 0.226                |                |       |
| n-Butane         | 2.0116   | 5.210   | 0.637                |                |       |
| Iso-pentane      | 0.2632   | 0.846   | 0.097                |                |       |
| n-Pentane        | 0.2982   | 0.959   | 0.108                |                |       |
| Hexanes Plus     | 0.2689   | 1.117   | 0.118                |                |       |
|                  | 100.0000 | 100.000 | 6.671                |                |       |

| Calculated Physical Properties   | Total  | C6+    |
|--|--------|--------|
| Relative Density Real Gas  | 0.7776 | 3.2176 |
| Calculated Molecular Weight  | 22.44  | 93.19  |
| Compressibility Factor   | 0.9960 |        |
| <b>GPA 2172 Calculation:</b>   |        |        |
| <b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b> |        |        |
| Real Gas Dry BTU   | 1285   | 5141   |
| Water Sat. Gas Base BTU  | 1263   | 5052   |

**Comments:** H2S Field Content: 1.75 ppm

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. The test results apply to the sample as received.