



## Certificate of Analysis

Number: 6030-21080194-010A

Artesia Laboratory

200 E Main St.  
Artesia, NM 88210  
Phone 575-746-3481Alex Batista  
Taprock  
602 Park Point Drive  
Ste. 200  
Golden, CO 80401

Aug. 25, 2021

Station Name: Yada Fed Com 135  
Station Number: 7060303  
Sample Point: Meter run  
Formation: Spot  
County: Lea  
Type of Sample: Spot-Cylinder  
Heat Trace Used: N/A  
Sampling Method: Fill and Purge  
Sampling Company: SPLSampled By: James Hill  
Sample Of: Gas Spot  
Sample Date: 08/17/2021 10:45  
Sample Conditions: 139.8 psig, @ 128.6 °F Ambient: 90 °F  
Effective Date: 08/17/2021 10:45  
Method: GPA-2261M  
Cylinder No: 5030-02476  
Instrument: 70104124 (Inficon GC-MicroFusion)  
Last Inst. Cal.: 07/08/2021 0:00 AM  
Analyzed: 08/24/2021 09:52:07 by KNF

## Analytical Data

| Components       | Un-normalized<br>Mol % | Mol. %    | Wt. %   | GPM at<br>14.73 psia |
|------------------|------------------------|-----------|---------|----------------------|
| Hydrogen Sulfide | NIL                    | 0.20000   | 0.290   |                      |
| Nitrogen         | 1.282                  | 1.29614   | 1.546   |                      |
| Carbon Dioxide   | 1.424                  | 1.43976   | 2.698   |                      |
| Methane          | 71.822                 | 72.64287  | 49.632  |                      |
| Ethane           | 11.270                 | 11.39915  | 14.597  | 3.062                |
| Propane          | 6.652                  | 6.72799   | 12.635  | 1.862                |
| Iso-Butane       | 1.011                  | 1.02245   | 2.531   | 0.336                |
| n-Butane         | 2.447                  | 2.47455   | 6.125   | 0.783                |
| Iso-Pentane      | 0.763                  | 0.77151   | 2.371   | 0.283                |
| n-Pentane        | 0.705                  | 0.71326   | 2.192   | 0.260                |
| Hexanes          | 0.612                  | 0.61889   | 2.271   | 0.256                |
| Heptanes         | 0.468                  | 0.47294   | 2.018   | 0.219                |
| Octanes          | 0.182                  | 0.18448   | 0.897   | 0.095                |
| Nonanes Plus     | 0.036                  | 0.03601   | 0.197   | 0.020                |
|                  | 98.674                 | 100.00000 | 100.000 | 7.176                |

| Calculated Physical Properties | Total  | C9+    |
|--------------------------------|--------|--------|
| Calculated Molecular Weight    | 23.48  | 128.26 |
| Compressibility Factor         | 0.9955 |        |
| Relative Density Real Gas      | 0.8141 | 4.4283 |

## GPA 2172 Calculation:

Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F

|                                     |        |        |
|-------------------------------------|--------|--------|
| Real Gas Dry BTU                    | 1358.2 | 7012.5 |
| Water Sat. Gas Base BTU             | 1335.1 | 6890.4 |
| Ideal, Gross HV - Dry at 14.73 psia | 1352.0 | 7012.5 |
| Ideal, Gross HV - Wet               | 1328.5 | 6890.4 |

Comments: H2S Field Content 2000 ppm  
CO2 1.3%  
Mcf/dady 2179.5

Data reviewed by: Eric Ramirez, Analyst

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

Flaring Summary

| battery     | 11/21/2021     |                   |
|-------------|----------------|-------------------|
|             | Sum(TOTAL F... | Avg(Daily % Fl... |
| Yada CTB A  | 129.80         | 3.43%             |
| Grand total | 129.80         | 3.43%             |

date » (Column Names)

Data table:  
flare\_report\_data (2)  
Colors:  
All values

battery

Sum(TOTAL FLARE (HP + LP)) Avg(Daily % Flared)

**District I**

1625 N. French Dr., Hobbs, NM 88240  
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**District II**

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**District III**

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Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 63469

**QUESTIONS**

|                                                                                  |                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>TAP ROCK OPERATING, LLC<br>523 Park Point Drive<br>Golden, CO 80401 | OGRID:<br>372043                                       |
|                                                                                  | Action Number:<br>63469                                |
|                                                                                  | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS****Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

|                   |                             |
|-------------------|-----------------------------|
| Incident Well     | Not answered.               |
| Incident Facility | [fAPP2126033248] Yada CTB A |

**Determination of Reporting Requirements**

Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.

|                                                                                                                                                                                                                                                                                              |                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Was or is this venting and/or flaring caused by an emergency or malfunction                                                                                                                                                                                                                  | No                                                |
| Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event                                                                                                                                                                  | No                                                |
| Is this considered a submission for a venting and/or flaring event                                                                                                                                                                                                                           | Yes, minor venting and/or flaring of natural gas. |
| An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.                                                                                              |                                                   |
| Was there or will there be at least 50 MCF of natural gas vented and/or flared during this event                                                                                                                                                                                             | Yes                                               |
| Did this venting and/or flaring result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water | No                                                |
| Was the venting and/or flaring within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence                                                                                                      | No                                                |

**Equipment Involved**

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Primary Equipment Involved                                | Not answered. |
| Additional details for Equipment Involved. Please specify | Not answered. |

**Representative Compositional Analysis of Vented or Flared Natural Gas**

Please provide the mole percent for the percentage questions in this group.

|                                                              |    |
|--------------------------------------------------------------|----|
| Methane (CH4) percentage                                     | 72 |
| Nitrogen (N2) percentage, if greater than one percent        | 1  |
| Hydrogen Sulfide (H2S) PPM, rounded up                       | 0  |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 1  |
| Oxygen (O2) percentage, if greater than one percent          | 0  |

If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.

|                                                     |               |
|-----------------------------------------------------|---------------|
| Methane (CH4) percentage quality requirement        | Not answered. |
| Nitrogen (N2) percentage quality requirement        | Not answered. |
| Hydrogen Sulfide (H2S) PPM quality requirement      | Not answered. |
| Carbon Dioxide (CO2) percentage quality requirement | Not answered. |
| Oxygen (O2) percentage quality requirement          | Not answered. |

**Date(s) and Time(s)**

|                                                         |            |
|---------------------------------------------------------|------------|
| Date venting and/or flaring was discovered or commenced | 11/21/2021 |
| Time venting and/or flaring was discovered or commenced | 06:00 AM   |
| Time venting and/or flaring was terminated              | 06:00 PM   |
| Cumulative hours during this event                      | 3          |

**Measured or Estimated Volume of Vented or Flared Natural Gas**

|                                  |               |
|----------------------------------|---------------|
| Natural Gas Vented (Mcf) Details | Not answered. |
|----------------------------------|---------------|

|                                                                           |                                                                                                                       |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Natural Gas Flared (Mcf) Details                                          | Cause: Equipment Failure   Treating Tower   Natural Gas Flared   Released: 130 Mcf   Recovered: 0 Mcf   Lost: 130 Mcf |
| Other Released Details                                                    | Not answered.                                                                                                         |
| Additional details for Measured or Estimated Volume(s). Please specify    | Not answered.                                                                                                         |
| Is this a gas only submission (i.e. only significant Mcf values reported) | Yes, according to supplied volumes this appears to be a "gas only" report.                                            |

**Venting or Flaring Resulting from Downstream Activity**

|                                                                            |               |
|----------------------------------------------------------------------------|---------------|
| Was or is this venting and/or flaring a result of downstream activity      | Not answered. |
| Was notification of downstream activity received by you or your operator   | Not answered. |
| Downstream OGRID that should have notified you or your operator            | Not answered. |
| Date notified of downstream activity requiring this venting and/or flaring | Not answered. |
| Time notified of downstream activity requiring this venting and/or flaring | Not answered. |

**Steps and Actions to Prevent Waste**

|                                                                                                                                |                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control. | False                                                                                                                                                                                                                                         |
| Please explain reason for why this event was beyond your operator's control                                                    | Not answered.                                                                                                                                                                                                                                 |
| Steps taken to limit the duration and magnitude of venting and/or flaring                                                      | Tap Rock saw a higher than normal flare volume due to downtime on of a VRU unit on location. The downtime increased low pressure flare. Tap Rock is working on the VRU and plans to bring on the wells slowly after the problem is corrected. |
| Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring                                     | Tap Rock saw a higher than normal flare volume due to downtime on of a VRU unit on location. The downtime increased low pressure flare. Tap Rock is working on the VRU and plans to bring on the wells slowly after the problem is corrected. |

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CONDITIONS  
  
Action 63469

CONDITIONS

|                                                                                  |                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>TAP ROCK OPERATING, LLC<br>523 Park Point Drive<br>Golden, CO 80401 | OGRID:<br>372043                                       |
|                                                                                  | Action Number:<br>63469                                |
|                                                                                  | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

CONDITIONS

| Created By | Condition                                                                                                                                                                          | Condition Date |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| bramsey    | If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event. | 11/23/2021     |