

# Analysis Certificate Report

## Lucid Energy Group-PURCHASER

6/10/2021 3:44 PM

3100 McKinnon St #800  
Dallas, TX 75201

BROCK A BOWMAN

**Analysis ID:** 14754 **Alternate ID:** **Use Contract Values:** No

**Name** MAN HANDS SWEET CTB **Company Name:** Lucid Energy Group

|                               |                        |                       |        |                              |                    |
|-------------------------------|------------------------|-----------------------|--------|------------------------------|--------------------|
| <b>Effective Date:</b>        | 04/01/2021 08:00       | <b>Saturated HV:</b>  | 1327.0 | <b>Sample Date:</b>          | 04/08/2021         |
| <b>Valid Thru Date:</b>       | 12/31/2078 00:00       | <b>As Del. HV:</b>    | 1339.5 | <b>Sample ID:</b>            | 6030-21040085-012A |
| <b>Fixed Edit Date:</b>       | 01/01/1900 00:00       | <b>Dry HV:</b>        | 1349.0 | <b>Sample Type:</b>          | Spot               |
| <b>Last Update:</b>           | 04/13/2021 09:06       | <b>Measured HV:</b>   | 1349.0 | <b>Sample Pressure Base:</b> | 14.730             |
| <b>Data Acquisition:</b>      | File Transfer from Lab | <b>WOBBE:</b>         | 1508.5 | <b>Sample Temperature:</b>   | 84.0               |
| <b>Data Source:</b>           | Lab Analysis           | <b>Water Content:</b> | 0.8    | <b>Sample Pressure:</b>      | 79.1               |
| <b>Real Relative Density:</b> | 0.7997                 | <b>Status:</b>        | Active | <b>Lab Code:</b>             |                    |

| <u>Component</u> | <u>% Mol</u> | <u>GPM</u> |                   |
|------------------|--------------|------------|-------------------|
| Methane          | 71.6295      |            | Dry Gravity       |
| Ethane           | 12.3518      | 3.3176     | Saturated Gravity |
| Propane          | 7.3805       | 2.0421     |                   |
| I Butane         | 0.9640       | 0.3168     |                   |
| N Butane         | 2.4289       | 0.7690     |                   |
| I Pentane        | 0.6064       | 0.2227     |                   |
| N Pentane        | 0.5665       | 0.2062     |                   |
| Hexanes +        | 0.8708       | 0.3816     |                   |

|          |        |
|----------|--------|
| Nitrogen | 1.4827 |
| CO2      | 0.9689 |
| Oxygen   | 0.0000 |
| H2O      | 0.7500 |
| CO       | 0.0000 |
| H2S      | 0.0000 |
| Hydrogen | 0.0000 |
| Helium   | 0.0000 |
| Argon    | 0.0000 |

|              |          |        |
|--------------|----------|--------|
| <b>Total</b> | 100.0000 | 7.2560 |
|--------------|----------|--------|

**Sample Comments:**

**Configuration Comments:**

Flaring Summary

| battery               | 7/31/2021 |
|-----------------------|-----------|
| Mulva Man Hands CTB B | 69.10     |
| Grand total           | 69.10     |

date

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

battery

Sum(TOTAL FLARE (HP + LP))

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
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 39556

**QUESTIONS**

|                                                                                  |                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>TAP ROCK OPERATING, LLC<br>523 Park Point Drive<br>Golden, CO 80401 | OGRID:<br>372043                                       |
|                                                                                  | Action Number:<br>39556                                |
|                                                                                  | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS****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 or flaring caused by an emergency or malfunction                                                                                                                                                                                                                  | No                                            |
| Did or will this venting 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 notification of a major venting or flaring                                                                                                                                                                                                         | Yes, minor venting or flaring of natural gas. |
| The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.13.29.7 NMAC                                                                                               |                                               |
| Was there or will there be at least 50 MCF of natural gas vented or flared during this event                                                                                                                                                                                             | Yes                                           |
| Did this venting 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                                            |

**Unregistered Facility Site**

Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.

|                       |                         |
|-----------------------|-------------------------|
| Facility or Site Name | Man Hands - Mulva CTB B |
| Facility Type         | Tank Battery - (TB)     |

**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 or flaring was discovered or commenced                                 | 07/30/2021    |
| Time venting or flaring was discovered or commenced                                 | 06:00 AM      |
| Is the venting or flaring event complete                                            | No            |
| Date venting or flaring was terminated                                              | Not answered. |
| Time venting or flaring was terminated                                              | Not answered. |
| Total duration of venting or flaring in hours, if venting or flaring has terminated | Not answered. |
| Longest duration of cumulative hours within any 24-hour period during this event    | 1             |

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

|                                                                        |                                                                                                                   |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Natural Gas Vented (Mcf) Details                                       | Not answered.                                                                                                     |
| Natural Gas Flared (Mcf) Details                                       | Cause: Initial Flowback   Producing Well   Natural Gas Flared   Spilled: 69 Mcf   Recovered: 0 Mcf   Lost: 69 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 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 or flaring a result of downstream activity      | Not answered. |
| Date notified of downstream activity requiring this venting or flaring | Not answered. |
| Time notified of downstream activity requiring this venting 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 or flaring                                                          | This location is on initial flowback, due to this the flare volumes are higher than normal operations. Once initial flowback has concluded, the location will restore to regulated flare volumes and gas capture. |
| Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring                                         | This location is on initial flowback, due to this the flare volumes are higher than normal operations. Once initial flowback has concluded, the location will restore to regulated flare volumes and gas capture. |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
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

CONDITIONS  
  
Action 39556

CONDITIONS

|                                                                                  |                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>TAP ROCK OPERATING, LLC<br>523 Park Point Drive<br>Golden, CO 80401 | OGRID:<br>372043                                       |
|                                                                                  | Action Number:<br>39556                                |
|                                                                                  | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

CONDITIONS

| Created By | Condition                                                                                                                                                                            | Condition Date |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| system     | If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event. | 8/3/2021       |