

# 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:** 14750 **Alternate ID:** **Use Contract Values:** No

**Name** BLACK MARLIN CTB **Company Name:** Lucid Energy Group

|                               |                        |                       |        |                              |                    |
|-------------------------------|------------------------|-----------------------|--------|------------------------------|--------------------|
| <b>Effective Date:</b>        | 02/01/2021 08:00       | <b>Saturated HV:</b>  | 1296.4 | <b>Sample Date:</b>          | 02/04/2021         |
| <b>Valid Thru Date:</b>       | 12/31/2078 00:00       | <b>As Del. HV:</b>    | 1312.4 | <b>Sample ID:</b>            | 6030-21020080-015A |
| <b>Fixed Edit Date:</b>       | 01/01/1900 00:00       | <b>Dry HV:</b>        | 1317.8 | <b>Sample Type:</b>          | Spot               |
| <b>Last Update:</b>           | 02/10/2021 15:18       | <b>Measured HV:</b>   | 1317.8 | <b>Sample Pressure Base:</b> | 14.730             |
| <b>Data Acquisition:</b>      | File Transfer from Lab | <b>WOBBE:</b>         | 1481.1 | <b>Sample Temperature:</b>   | 76.0               |
| <b>Data Source:</b>           | Lab Analysis           | <b>Water Content:</b> | 0.4    | <b>Sample Pressure:</b>      | 106.7              |
| <b>Real Relative Density:</b> | 0.7917                 | <b>Status:</b>        | Active | <b>Lab Code:</b>             |                    |

| <u>Component</u> | <u>% Mol</u> | <u>GPM</u> |                   |
|------------------|--------------|------------|-------------------|
| Methane          | 73.7263      |            | Dry Gravity       |
| Ethane           | 10.9170      | 2.9315     | Saturated Gravity |
| Propane          | 6.3423       | 1.7544     |                   |
| I Butane         | 1.0171       | 0.3342     |                   |
| N Butane         | 2.2476       | 0.7115     |                   |
| I Pentane        | 0.7121       | 0.2615     |                   |
| N Pentane        | 0.6187       | 0.2252     |                   |
| Hexanes +        | 0.9048       | 0.3964     |                   |

|          |        |
|----------|--------|
| Nitrogen | 1.2382 |
| CO2      | 1.8349 |
| Oxygen   | 0.0000 |
| H2O      | 0.4400 |
| CO       | 0.0000 |
| H2S      | 0.0010 |
| Hydrogen | 0.0000 |
| Helium   | 0.0000 |
| Argon    | 0.0000 |

|              |          |        |
|--------------|----------|--------|
| <b>Total</b> | 100.0000 | 6.6147 |
|--------------|----------|--------|

**Sample Comments:**

**Configuration Comments:**

Flaring Summary

| battery                               | 8/1/2021 |
|---------------------------------------|----------|
| Black Marlin Federal Com Tank Battery | 813.00   |
| Grand total                           | 813.00   |

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**

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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 39467

**QUESTIONS**

|                                                                                  |                                                                                                       |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Operator:<br>TAP ROCK OPERATING, LLC<br>523 Park Point Drive<br>Golden, CO 80401 | OGRID:<br>372043<br>Action Number:<br>39467<br>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                                                                                                                                                                  | Yes                                           |
| Is this considered a submission for a notification of a major venting or flaring                                                                                                                                                                                                         | Yes, major venting or flaring of natural gas. |
| <b>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.</b>                                                                                       |                                               |
| 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 | Black Marlin CTB    |
| 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             |
| <b>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</b> |               |
| 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                                 | 07/31/2021    |
| 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    | 9             |

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

|                                                                        |                                                                                                                      |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Natural Gas Vented (Mcf) Details                                       | Not answered.                                                                                                        |
| Natural Gas Flared (Mcf) Details                                       | Cause: Normal Operations   Producing Well   Natural Gas Flared   Spilled: 813 Mcf   Recovered: 0 Mcf   Lost: 813 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                                                          | Tap Rock Operating is currently pending an ACO from the NMOCD. Per an email received by the NMOCD, we may flow this well until a decision is made. Once a final decision has been made, Tap Rock will adjust operations accordingly. |
| Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring                                         | Tap Rock Operating is currently pending an ACO from the NMOCD. Per an email received by the NMOCD, we may flow this well until a decision is made. Once a final decision has been made, Tap Rock will adjust operations accordingly. |

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CONDITIONS

Action 39467

## CONDITIONS

|                                                                                  |                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>TAP ROCK OPERATING, LLC<br>523 Park Point Drive<br>Golden, CO 80401 | OGRID:<br>372043                                       |
|                                                                                  | Action Number:<br>39467                                |
|                                                                                  | 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. | 8/2/2021       |