

# Analysis Certificate Report

## Lucid Energy Group-PURCHASER

6/10/2021 3:44 PM

3100 McKinnon St #800  
Dallas, TX 75201

BROCK A BOWMAN

|                               |                        |                                         |        |                                |                    |
|-------------------------------|------------------------|-----------------------------------------|--------|--------------------------------|--------------------|
| <b>Analysis ID:</b> 14750     |                        | <b>Alternate ID:</b>                    |        | <b>Use Contract Values:</b> No |                    |
| <b>Name</b>                   | BLACK MARLIN CTB       | <b>Company Name:</b> 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 Acqusition:</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>    | Dry Gravity       |
|------------------|-----------------|---------------|-------------------|
| Methane          | 73.7263         |               | Saturated Gravity |
| Ethane           | 10.9170         | 2.9315        |                   |
| 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>     | <b>100.0000</b> | <b>6.6147</b> |                   |

**Sample Comments:****Configuration Comments:**

Flaring Summary

| battery                               | 9/2/2021 |
|---------------------------------------|----------|
| Black Marlin Federal Com Tank Battery | 153.70   |
| Grand total                           | 153.70   |

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 46878

**QUESTIONS**

|                                                                                  |                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>TAP ROCK OPERATING, LLC<br>523 Park Point Drive<br>Golden, CO 80401 | OGRID:<br>372043                                       |
|                                                                                  | Action Number:<br>46878                                |
|                                                                                  | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS**

|                                                                                                                                                                           |                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>Prerequisites</b>                                                                                                                                                      |                                               |
| <i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i> |                                               |
| Incident Well                                                                                                                                                             | [30-025-46976] BLACK MARLIN FEDERAL COM #204H |
| Incident Facility                                                                                                                                                         | Not answered.                                 |

|                                                                                                                                                                                                                                                                                              |                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>Determination of Reporting Requirements</b>                                                                                                                                                                                                                                               |                                                   |
| <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>                                                                                                                                                   |                                                   |
| 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 notification of a major venting and/or flaring                                                                                                                                                                                                         | Yes, minor venting and/or flaring of natural gas. |
| <i>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.</i>                                                                                       |                                                   |
| 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                                                |

|                                                           |               |
|-----------------------------------------------------------|---------------|
| <b>Equipment Involved</b>                                 |               |
| Primary Equipment Involved                                | Not answered. |
| Additional details for Equipment Involved. Please specify | Not answered. |

|                                                                                                                                      |               |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>                                                         |               |
| <i>Please provide the mole percent for the percentage questions in this group.</i>                                                   |               |
| Methane (CH4) percentage                                                                                                             | 74            |
| 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                                                                         | 2             |
| Oxygen (O2) percentage, if greater than one percent                                                                                  | 0             |
| <i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i> |               |
| 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. |

|                                                         |            |
|---------------------------------------------------------|------------|
| <b>Date(s) and Time(s)</b>                              |            |
| Date venting and/or flaring was discovered or commenced | 09/01/2021 |
| 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          |

|                                                                     |               |
|---------------------------------------------------------------------|---------------|
| <b>Measured or Estimated Volume of Vented or Flared Natural Gas</b> |               |
| Natural Gas Vented (Mcf) Details                                    | Not answered. |

|                                                                           |                                                                                                                       |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Natural Gas Flared (Mcf) Details                                          | Cause: Normal Operations   Producing Well   Natural Gas Flared   Released: 154 Mcf   Recovered: 0 Mcf   Lost: 154 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. |
| 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 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 and/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

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**CONDITIONS**

|                                                                                  |                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
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|                                                                                  | Action Number:<br>46878                                |
|                                                                                  | 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. | 9/7/2021       |