

# Analysis Certificate Report

## Lucid Energy Group-PURCHASER

8/16/2021 5:01 AM

3100 McKinnon St #800  
Dallas, TX 75201

PGAS Admin

|                        |                  |                                  |        |                         |                    |
|------------------------|------------------|----------------------------------|--------|-------------------------|--------------------|
| Analysis ID: 10380     |                  | Alternate ID:                    |        | Use Contract Values: No |                    |
| Name                   | Osage Boyd C.P.  | Company Name: Lucid Energy Group |        |                         |                    |
| Effective Date:        | 04/01/2021 08:00 | Saturated HV:                    | 1035.5 | Sample Date:            | 04/22/2021         |
| Valid Thru Date:       | 12/31/2078 00:00 | As Del. HV:                      | 1048.6 | Sample ID:              | 6030-21040361-003A |
| Fixed Edit Date:       | 01/01/1900 00:00 | Dry HV:                          | 1052.5 | Sample Type:            | Spot               |
| Last Update:           | 05/04/2021 14:34 | Measured HV:                     | 1052.5 | Sample Pressure Base:   | 14.730             |
| Data Acquisition:      | Manual Entry     | WOBBE:                           | 1362.1 | Sample Temperature:     | 75.0               |
| Data Source:           | Lab Analysis     | Water Content:                   | 0.4    | Sample Pressure:        | 114.0              |
| Real Relative Density: | 0.5971           | Status:                          | Active | Lab Code:               |                    |

| <u>Component</u> | <u>% Mol</u> | <u>GPM</u> | Dry Gravity       |
|------------------|--------------|------------|-------------------|
| Methane          | 94.2172      |            | Saturated Gravity |
| Ethane           | 2.9161       | 0.7815     |                   |
| Propane          | 0.6668       | 0.1841     |                   |
| I Butane         | 0.1212       | 0.0397     |                   |
| N Butane         | 0.1230       | 0.0389     |                   |
| I Pentane        | 0.0597       | 0.0219     |                   |
| N Pentane        | 0.0372       | 0.0135     |                   |
| Hexanes +        | 0.2285       | 0.0999     |                   |

|          |          |        |
|----------|----------|--------|
| Nitrogen | 0.3917   |        |
| CO2      | 0.8386   |        |
| Oxygen   | 0.0000   |        |
| H2O      | 0.4000   |        |
| CO       | 0.0000   |        |
| H2S      | 0.0000   |        |
| Hydrogen | 0.0000   |        |
| Helium   | 0.0000   |        |
| Argon    | 0.0000   |        |
| Total    | 100.0000 | 1.1795 |

Sample Comments:

Configuration Comments:

6.1.0.7 Auto Config Change Process

| Name of well or facility                    | Lat       | Long        | Daily Volume of Flared Natural Gas (MCF/D) | Commencement | Duration   | Proposed Remedy |
|---------------------------------------------|-----------|-------------|--------------------------------------------|--------------|------------|-----------------|
| SHELBY 23 TANK BATTERY                      | 32.636495 | -104.449015 | 1455 MCF/D                                 | 10/21/2021   | Continuous | ACO Requested   |
| OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY  | 32.652839 | -104.478905 | 1554 MCF/D                                 | 10/21/2021   | Continuous | ACO Requested   |
| LAKEWOOD FEDERAL COM NORTH BATTERY          | 32.625808 | -104.469155 | 2824 MCF/D                                 | 10/21/2021   | Continuous | ACO Requested   |
| LAKEWOOD FEDERAL COM SOUTH BATTERY          | 32.608649 | -104.479201 | 1567 MCF/D                                 | 10/21/2021   | Continuous | ACO Requested   |
| DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY | 32.614416 | -104.478493 | 986 MCF/D                                  | 10/21/2021   | Continuous | ACO Requested   |
| HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY   | 32.610648 | -104.472851 | 752 MCF/D                                  | 10/21/2021   | Continuous | ACO Requested   |
| LIVE OAK TANK BATTERY                       | 32.63657  | -104.46929  | 1466 MCF/D                                 | 10/21/2021   | Continuous | ACO Requested   |
| MORRIS BOYD TANK BATTERY                    | 32.64057  | -104.45889  | 1365 MCF/D                                 | 10/21/2021   | Continuous | Gas Rerouted    |
| GOODMAN 22 TANK BATTERY                     | 32.64524  | -104.47354  | 1395 MCF/D                                 | 10/21/2021   | Continuous | Gas Rerouted    |
| B&B ROSS RANCH OIL TANK BATTERY             | 32.648341 | -104.479356 | 705 MCF/D                                  | 10/21/2021   | Continuous | Gas Rerouted    |
| ARKANSAS STATE 23 TANK BATTERY              | 32.64708  | -104.45659  | 62 MCF/D                                   | 10/21/2021   | Continuous | Gas Rerouted    |

**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 57183

**QUESTIONS**

|                                                                                 |                                                        |
|---------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                       |
|                                                                                 | Action Number:<br>57183                                |
|                                                                                 | 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 | [fAPP2122832516] Osage Boyd 15 Federal 09.12.13.14 Com Tank Battery |

**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                                                                                                                                                                  | Yes                                               |
| Is this considered a submission for a venting and/or flaring event                                                                                                                                                                                                                           | Yes, major 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                                     | 94 |
| Nitrogen (N2) percentage, if greater than one percent        | 0  |
| 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 | 10/21/2021 |
| Time venting and/or flaring was discovered or commenced | 12:00 AM   |
| Time venting and/or flaring was terminated              | 12:00 AM   |
| Cumulative hours during this event                      | 24         |

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

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

|                                                                           |                                                                                                                                            |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Natural Gas Flared (Mcf) Details                                          | Cause: Pipeline Quality Specifications   Other (Specify)   Natural Gas Flared   Released: 1,554 Mcf   Recovered: 0 Mcf   Lost: 1,554 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. | True                                                                 |
| Please explain reason for why this event was beyond your operator's control                                                    | 3rd party take away refusal due to capacity restraints.              |
| Steps taken to limit the duration and magnitude of venting and/or flaring                                                      | Executed contract with midstream company to gather gas by 12/1/2021. |
| Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring                                     | Executed contract with midstream company to gather gas by 12/1/2021. |

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CONDITIONS  
  
Action 57183

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|                                                                                 |                                                        |
|---------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                       |
|                                                                                 | Action Number:<br>57183                                |
|                                                                                 | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

CONDITIONS

| Created By | Condition                                                                                                                                                                          | Condition Date |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| schapman01 | 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. | 10/21/2021     |