

# Analysis Certificate Report

## Lucid Energy Group-PURCHASER

9/16/2021 5:02 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 | 1380 MCF/D                                 | 2/17/2022    | Continuous | ACO Requested   |
| ROSS RANCH 09.13.14 BATTERY                 | 32.636187 | -104.47781  | 1082 MCF/D                                 | 2/17/2022    | Continuous | ACO Requested   |
| OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY  | 32.652839 | -104.478905 | 795 MCF/D                                  | 2/17/2022    | Continuous | ACO Requested   |
| LAKEWOOD FEDERAL COM NORTH BATTERY          | 32.625808 | -104.469155 | 2736 MCF/D                                 | 2/17/2022    | Continuous | ACO Requested   |
| LAKEWOOD FEDERAL COM SOUTH BATTERY          | 32.608649 | -104.479201 | 1053 MCF/D                                 | 2/17/2022    | Continuous | ACO Requested   |
| DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY | 32.614416 | -104.478493 | 586 MCF/D                                  | 2/17/2022    | Continuous | ACO Requested   |
| HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY   | 32.610648 | -104.472851 | 279 MCF/D                                  | 2/17/2022    | Continuous | ACO Requested   |
| ROSE SOUTH TANK BATTERY                     | 32.67021  | -104.42768  | 2599 MCF/D                                 | 2/17/2022    | Continuous | Gas Rerouted    |
| NIRVANA TANK BATTERY                        | 32.84504  | -104.09012  | 1175 MCF/D                                 | 2/17/2022    | Continuous | Gas Rerouted    |
| SOUTH BOYD FEDERAL COM TANK BATTERY         | 32.62309  | -104.46834  | 931 MCF/D                                  | 2/17/2022    | Continuous | Gas Rerouted    |

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**District IV**  
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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**

DEFINITIONS  
  
Action 82567

DEFINITIONS

|                                                                                     |                                                            |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br><br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br><br>328947                                       |
|                                                                                     | Action Number:<br><br>82567                                |
|                                                                                     | Action Type:<br><br>[C-129] Venting and/or Flaring (C-129) |

DEFINITIONS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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QUESTIONS

Action 82567

**QUESTIONS**

|                                                                                 |                                                        |
|---------------------------------------------------------------------------------|--------------------------------------------------------|
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**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 this vent or flare caused by an emergency or malfunction                                               | No                                                |
| Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event | Yes                                               |
| Is this considered a submission for a vent or flare 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 at least 50 MCF of natural gas vented and/or flared during this event                                                                                                                                                                                                     | Yes |
| Did this vent or flare 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 vent or flare 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. |

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QUESTIONS, Page 2  
  
Action 82567

QUESTIONS (continued)

|                                                                                     |                                                            |
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|                                                                                     | Action Number:<br><br>82567                                |
|                                                                                     | Action Type:<br><br>[C-129] Venting and/or Flaring (C-129) |

QUESTIONS

| Date(s) and Time(s)                            |            |
|------------------------------------------------|------------|
| Date vent or flare was discovered or commenced | 02/17/2022 |
| Time vent or flare was discovered or commenced | 05:00 PM   |
| Time vent or flare was terminated              | 05:00 PM   |
| 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: 795 Mcf   Recovered: 0 Mcf   Lost: 795 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 this vent or flare a result of downstream activity            | No            |
| Was notification of downstream activity received by this operator | Not answered. |
| Downstream OGRID that should have notified this operator          | Not answered. |
| Date notified of downstream activity requiring this vent or flare | Not answered. |
| Time notified of downstream activity requiring this vent or flare | Not answered. |

| Steps and Actions to Prevent Waste                                                                                               |                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control. | True                                                                                                                                    |
| Please explain reason for why this event was beyond this operator's control                                                      | 3rd party take away refusal due to capacity restraints.                                                                                 |
| Steps taken to limit the duration and magnitude of vent or flare                                                                 | Executed contract with midstream company to gather gas by 12/1/2021. Delays on approved ROWs have pushed the tie-in date to late March. |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare                                                | Executed contract with midstream company to gather gas by 12/1/2021. Delays on approved ROWs have pushed the tie-in date to late March. |

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ACKNOWLEDGMENTS

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**ACKNOWLEDGMENTS**

|                                     |                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.                                                                                      |
| <input checked="" type="checkbox"/> | I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively. |
| <input checked="" type="checkbox"/> | I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.                                                                                                        |
| <input checked="" type="checkbox"/> | I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.                       |
| <input checked="" type="checkbox"/> | I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.                                                                                                                          |

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CONDITIONS  
  
Action 82567

CONDITIONS

|                                                                                 |                                                        |
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|                                                                                 | Action Number:<br>82567                                |
|                                                                                 | 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. | 2/18/2022      |