



## Certificate of Analysis

Number: 6030-21060083-004A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

Jerry Mathews  
 Spur Energy  
 1012 Marquez Place, Suite 106b  
 Santa Fe, NM 87505

June 09, 2021

|                   |                            |                    |                                    |
|-------------------|----------------------------|--------------------|------------------------------------|
| Station Name:     | Dorami CTB                 | Sampled By:        | Donavan Miller                     |
| Station Number:   | N/A                        | Sample Of:         | Gas Spot                           |
| Station Location: | Spur                       | Sample Date:       | 06/07/2021 09:33                   |
| Sample Point:     | Meter run                  | Sample Conditions: | 46.8 psig, @ 109 °F Ambient: 81 °F |
| Type of Sample:   | Spot-Cylinder              | Effective Date:    | 06/07/2021 09:33                   |
| Heat Trace Used:  | N/A                        | Method:            | GPA-2261M                          |
| Sampling Method:  | Fill and Purge             | Cylinder No:       | 1111-002600                        |
| Sampling Company: | SPL                        | Instrument:        | 70104124 (Inficon GC-MicroFusion)  |
| Analyzed:         | 06/08/2021 13:05:55 by KNF | Last Inst. Cal.:   | 05/18/2021 0:00 AM                 |

## Analytical Data

| Components     | Un-normalized<br>Mol % | Mol. %    | Wt. %   | GPM at<br>14.73 psia |
|----------------|------------------------|-----------|---------|----------------------|
| Nitrogen       | 2.296                  | 2.71551   | 3.188   |                      |
| Carbon Dioxide | 1.833                  | 2.16808   | 3.998   |                      |
| Methane        | 60.705                 | 71.78982  | 48.261  |                      |
| Ethane         | 10.663                 | 12.60992  | 15.889  | 3.387                |
| Propane        | 3.052                  | 3.60920   | 6.669   | 0.999                |
| Iso-Butane     | 0.889                  | 1.05169   | 2.562   | 0.346                |
| n-Butane       | 2.109                  | 2.49353   | 6.073   | 0.790                |
| Iso-Pentane    | 0.686                  | 0.81103   | 2.452   | 0.298                |
| n-Pentane      | 0.632                  | 0.74753   | 2.260   | 0.272                |
| Hexanes        | 0.518                  | 0.61200   | 2.210   | 0.253                |
| Heptanes       | 0.581                  | 0.68745   | 2.887   | 0.319                |
| Octanes        | 0.338                  | 0.39913   | 1.911   | 0.205                |
| Nonanes Plus   | 0.258                  | 0.30511   | 1.640   | 0.172                |
|                | 84.560                 | 100.00000 | 100.000 | 7.041                |

|                                       |              |            |
|---------------------------------------|--------------|------------|
| <b>Calculated Physical Properties</b> | <b>Total</b> | <b>C9+</b> |
| Calculated Molecular Weight           | 23.86        | 128.26     |
| Compressibility Factor                | 0.9954       |            |
| Relative Density Real Gas             | 0.8274       | 4.4283     |

## GPA 2172 Calculation:

Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F

|                                     |        |        |
|-------------------------------------|--------|--------|
| Real Gas Dry BTU                    | 1339.5 | 7012.5 |
| Water Sat. Gas Base BTU             | 1316.7 | 6890.4 |
| Ideal, Gross HV - Dry at 14.73 psia | 1333.3 | 7012.5 |
| Ideal, Gross HV - Wet               | 1310.1 | 6890.4 |

Report generated by: Krystle Fitzwater

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

| 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  | 1301 MCF/D                                 | 9/13/2021    | Continuous | ACO Requested   |
| ROSS RANCH 09.13.14 BATTERY                 | 32.636187  | -104.47781   | 1300 MCF/D                                 | 9/13/2021    | Continuous | ACO Requested   |
| OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY  | 32.652839  | -104.478905  | 1363 MCF/D                                 | 9/13/2021    | Continuous | ACO Requested   |
| LAKEWOOD FEDERAL COM NORTH BATTERY          | 32.625808  | -104.469155  | 2809 MCF/D                                 | 9/13/2021    | Continuous | ACO Requested   |
| LAKEWOOD FEDERAL COM SOUTH BATTERY          | 32.608649  | -104.479201  | 1638 MCF/D                                 | 9/13/2021    | Continuous | ACO Requested   |
| DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY | 32.614416  | -104.478493  | 846 MCF/D                                  | 9/13/2021    | Continuous | ACO Requested   |
| HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY   | 32.610648  | -104.472851  | 632 MCF/D                                  | 9/13/2021    | Continuous | ACO Requested   |
| SHORTY 2 STATE COM TANK BATTERY             | 32.8653287 | -103.9504986 | 1700 MCF/D                                 | 9/13/2021    | Continuous | Gas Rerouted    |

**District I**

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**District III**

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 50227

**QUESTIONS**

|                                                                                 |                                                        |
|---------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                       |
|                                                                                 | Action Number:<br>50227                                |
|                                                                                 | 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 | [fAPP2122833451] Dorami 33 Federal Com 2H.4H.9H 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                                                                                                      | 72            |
| Nitrogen (N2) percentage, if greater than one percent                                                                         | 3             |
| 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             |
| 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 | 09/13/2021 |
| 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: 846 Mcf   Recovered: 0 Mcf   Lost: 846 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  
  
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|                                                                                 |                                                        |
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|                                                                                 | Action Number:<br>50227                                |
|                                                                                 | 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. | 9/20/2021      |