



## Certificate of Analysis

Number: 6030-21060083-004A

Artesia Laboratory

200 E Main St.  
Artesia, NM 88210  
Phone 575-746-3481Jerry Mathews  
Spur Energy  
1012 Marquez Place, Suite 106b  
Santa Fe, NM 87505

June 09, 2021

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

## Calculated Physical Properties

|                             |        |     |        |
|-----------------------------|--------|-----|--------|
| Calculated Molecular Weight | 23.86  | C9+ | 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  | 1584 MCF/D                                 | 7/31/2021    | Continuous | ACO Requested   |
| ROSS RANCH 09.13.14 BATTERY                 | 32.636187  | -104.47781   | 1433 MCF/D                                 | 7/31/2021    | Continuous | ACO Requested   |
| OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY  | 32.652839  | -104.478905  | 1166 MCF/D                                 | 7/31/2021    | Continuous | ACO Requested   |
| LAKEWOOD FEDERAL COM NORTH BATTERY          | 32.625808  | -104.469155  | 2756 MCF/D                                 | 7/31/2021    | Continuous | ACO Requested   |
| LAKEWOOD FEDERAL COM SOUTH BATTERY          | 32.608649  | -104.479201  | 1855 MCF/D                                 | 7/31/2021    | Continuous | ACO Requested   |
| DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY | 32.614416  | -104.478493  | 639 MCF/D                                  | 7/31/2021    | Continuous | ACO Requested   |
| HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY   | 32.610648  | -104.472851  | 635 MCF/D                                  | 7/31/2021    | Continuous | ACO Requested   |
| MORRIS BOYD TANK BATTERY                    | 32.6250267 | -104.4488373 | 240 MCF/D                                  | 7/31/2021    | Continuous | Gas Rerouted    |

**District I**

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Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

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**District III**

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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 41354

**QUESTIONS**

|                                                                                 |                                                        |
|---------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                       |
|                                                                                 | Action Number:<br>41354                                |
|                                                                                 | 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, answer to "eight hours or more" suggests this is at least a minor event. |
| <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 19.13.297 NMAC.</b>                                                                                        |                                                                               |
| Was there or will there be at least 50 MCF of natural gas vented or flared during this event                                                                                                                                                                                             | No                                                                            |
| 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 | Dorami 33 Federal Com 2H.4H.9H Tank Battery |
| 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                                                                                | 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             |
| <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                                 | 12:00 AM   |
| Is the venting or flaring event complete                                            | Yes        |
| Date venting or flaring was terminated                                              | 08/01/2021 |
| Time venting or flaring was terminated                                              | 12:00 AM   |
| Total duration of venting or flaring in hours, if venting or flaring has terminated | 24         |
| Longest duration of cumulative hours within any 24-hour period 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   Spilled: 0 Mcf   Recovered: 0 Mcf   Lost: 0 Mcf                                                                               |
| Other Released Details                                                 | Not answered.                                                                                                                                                                                                 |
| Additional details for Measured or Estimated Volume(s). Please specify | 639 mcf/day flared. "Was there or will there be at least 50 mcf of natural gas vented or flared during this event" doesn't seem to work when marked yes. Yes, there was over 50 mcf flared during this event. |
| Is this a gas only submission (i.e. only Mcf values reported)          | More volume information must be supplied to determine if this will be treated as 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. | 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 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 or flaring                                         | Executed contract with midstream company to gather gas by 12/1/2021. |

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CONDITIONS

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## CONDITIONS

|                                                                                 |                                                        |
|---------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                       |
|                                                                                 | Action Number:<br>41354                                |
|                                                                                 | 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. | 8/11/2021      |