



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 Mol % | Mol. % | Wt. % | GPM at 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 | Total | C9+ |
| 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 ft³ @ 14.73 psia & 60°F

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|-------------------------------------|--------|--------|
| 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 | 2471 MCF/D | 10/24/2021 | Continuous | ACO Requested |
| ROSS RANCH 09.13.14 BATTERY | 32.636187 | -104.47781 | 94 MCF/D | 10/24/2021 | Continuous | ACO Requested |
| OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY | 32.652839 | -104.478905 | 1625 MCF/D | 10/24/2021 | Continuous | ACO Requested |
| LAKWOOD FEDERAL COM NORTH BATTERY | 32.625808 | -104.469155 | 2862 MCF/D | 10/24/2021 | Continuous | ACO Requested |
| LAKWOOD FEDERAL COM SOUTH BATTERY | 32.608649 | -104.479201 | 1553 MCF/D | 10/24/2021 | Continuous | ACO Requested |
| DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY | 32.614416 | -104.478493 | 917 MCF/D | 10/24/2021 | Continuous | ACO Requested |
| HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY | 32.610648 | -104.472851 | 719 MCF/D | 10/24/2021 | Continuous | ACO Requested |
| LIVE OAK TANK BATTERY | 32.63657 | -104.46929 | 2471 MCF/D | 10/24/2021 | Continuous | ACO Requested |
| RED LAKE 32 STATE TANK BATTERY | 32.78446 | -104.29206 | 409 MCF/D | 10/24/2021 | Continuous | Gas Rerouted |
| SHELBY 23 #1 WELL | 32.6511192 | -104.4537735 | 92 MCF/D | 10/24/2021 | 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 59907

QUESTIONS

| | |
|---|--|
| Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024 | OGRID: 328947 |
| | Action Number: 59907 |
| | Action Type: [C-129] Venting and/or Flaring (C-129) |

QUESTIONS

| | |
|---|--|
| Prerequisites | |
| <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 | Not answered. |
| Incident Facility | [fAPP2122833451] Dorami 33 Federal Com 2H.4H.9H Tank Battery |

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| Determination of Reporting Requirements | |
| <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 | Yes |
| Is this considered a submission for a venting and/or flaring event | Yes, major 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 |

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| Equipment Involved | |
| Primary Equipment Involved | Not answered. |
| Additional details for Equipment Involved. Please specify | Not answered. |

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| Representative Compositional Analysis of Vented or Flared Natural Gas | |
| <i>Please provide the mole percent for the percentage questions in this group.</i> | |
| 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 |
| <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. |

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|---|------------|
| Date(s) and Time(s) | |
| Date venting and/or flaring was discovered or commenced | 10/24/2021 |
| 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 |

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| Measured or Estimated Volume of Vented or Flared Natural Gas | |
| Natural Gas Vented (Mcf) Details | Not answered. |

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| Natural Gas Flared (Mcf) Details | Cause: Pipeline Quality Specifications Other (Specify) Natural Gas Flared Released: 917 Mcf Recovered: 0 Mcf Lost: 917 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

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|--|---------------|
| 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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| | Action Number: 59907 |
| | Action Type: [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. | 11/3/2021 |