

**GAS VOLUME STATEMENT****Spur Energy**

May, 2021

Meter #: 79410102

Name: Ross Ranch HP Flare

Closed Data

Artesia-East

Pressure Base: 14.730 psia

Temperature Base: 60.00 °F

HV Cond:

Meter Type: EFM

Contract Hr.: Midnight

Status: In Service

WV Technique:

WV Method:

| CO2       | N2       | H2O          | H2S    | O2       | He    | C1              | C2     | C3           | I-C4  | N-C4        | I-C5  | N-C5  | C6+   |
|-----------|----------|--------------|--------|----------|-------|-----------------|--------|--------------|-------|-------------|-------|-------|-------|
| 3.028     | 2.516    | 0.000        | 2.6586 | 0.000    | 0.000 | 64.576          | 14.108 | 8.241        | 1.046 | 2.344       | 0.526 | 0.467 | 0.492 |
| Tube I.D. | Interval | Tap Location |        | Tap Type |       | Atmos. Pressure |        | Calc. Method |       | Fpv Method  |       |       |       |
| 4.026 in. | 1 Hour   | Upstream     |        | Flange   |       | 12.980 psi      |        | AGA3-1992    |       | AGA8-Detail |       |       |       |

| Day          | Differential<br>(In. H2O) | Pressure<br>(psia) | Temperature<br>(°F) | Hours<br>Flow | Relative<br>Density | Plate<br>(inches) | Volume<br>(Mcf) | Heating<br>Value<br>(Btu/scf) | Energy<br>(MMBtu) | Edited |
|--------------|---------------------------|--------------------|---------------------|---------------|---------------------|-------------------|-----------------|-------------------------------|-------------------|--------|
| 1            | 12.56                     | 38.74              | 75.47               | 24.00         | 0.8116              | 2.625             | 906.79          | 1293.10                       | 1,172.57          | No     |
| 2            | 13.00                     | 38.39              | 79.95               | 24.00         | 0.8116              | 2.625             | 914.26          | 1293.10                       | 1,182.23          | No     |
| 3            | 13.27                     | 38.26              | 75.91               | 24.00         | 0.8116              | 2.625             | 925.30          | 1293.10                       | 1,196.50          | No     |
| 4            | 13.23                     | 38.51              | 72.08               | 24.00         | 0.8116              | 2.625             | 930.62          | 1293.10                       | 1,203.39          | No     |
| 5            | 13.68                     | 38.43              | 79.63               | 24.00         | 0.8116              | 2.625             | 938.13          | 1293.10                       | 1,213.10          | No     |
| 6            | 13.66                     | 38.39              | 79.28               | 24.00         | 0.8116              | 2.625             | 937.32          | 1293.10                       | 1,212.05          | No     |
| 7            | 14.22                     | 38.24              | 84.86               | 24.00         | 0.8116              | 2.625             | 949.18          | 1293.10                       | 1,227.39          | No     |
| 8            | 14.23                     | 38.08              | 83.57               | 24.00         | 0.8116              | 2.625             | 948.94          | 1293.10                       | 1,227.08          | No     |
| 9            | 10.53                     | 37.80              | 82.42               | 24.00         | 0.8116              | 2.625             | 749.92          | 1293.10                       | 969.72            | No     |
| 10           | 10.74                     | 37.87              | 78.63               | 24.00         | 0.8116              | 2.625             | 827.07          | 1293.10                       | 1,069.49          | No     |
| 11           | 10.83                     | 37.97              | 74.14               | 24.00         | 0.8116              | 2.625             | 822.66          | 1293.10                       | 1,063.78          | No     |
| 12           | 14.64                     | 38.30              | 68.19               | 24.00         | 0.8116              | 2.625             | 916.75          | 1293.10                       | 1,185.46          | No     |
| 13           | 21.77                     | 38.43              | 74.94               | 24.00         | 0.8116              | 2.625             | 1,160.78        | 1293.10                       | 1,501.00          | No     |
| 14           | 19.40                     | 38.18              | 79.90               | 24.00         | 0.8116              | 2.625             | 1,109.54        | 1293.10                       | 1,434.75          | No     |
| 15           | 20.17                     | 38.01              | 79.70               | 24.00         | 0.8116              | 2.625             | 1,129.64        | 1293.10                       | 1,460.73          | No     |
| 16           | 21.23                     | 37.96              | 81.87               | 24.00         | 0.8116              | 2.625             | 1,155.34        | 1293.10                       | 1,493.97          | No     |
| 17           | 21.66                     | 37.87              | 81.68               | 24.00         | 0.8116              | 2.625             | 1,165.64        | 1293.10                       | 1,507.29          | No     |
| 18           | 21.95                     | 37.86              | 79.61               | 24.00         | 0.8116              | 2.625             | 1,175.54        | 1293.10                       | 1,520.09          | No     |
| 19           | 22.52                     | 37.84              | 82.86               | 24.00         | 0.8116              | 2.625             | 1,186.45        | 1293.10                       | 1,534.20          | No     |
| 20           | 22.98                     | 37.91              | 84.92               | 24.00         | 0.8116              | 2.625             | 1,197.39        | 1293.10                       | 1,548.34          | No     |
| 21           | 23.28                     | 38.12              | 84.30               | 24.00         | 0.8116              | 2.625             | 1,209.13        | 1293.10                       | 1,563.52          | No     |
| 22           | 23.19                     | 38.15              | 79.04               | 24.00         | 0.8116              | 2.625             | 1,213.21        | 1293.10                       | 1,568.80          | No     |
| 23           | 23.73                     | 38.19              | 83.78               | 24.00         | 0.8116              | 2.625             | 1,222.06        | 1293.10                       | 1,580.24          | No     |
| 24           | 24.45                     | 38.18              | 85.19               | 24.00         | 0.8116              | 2.625             | 1,238.32        | 1293.10                       | 1,601.27          | No     |
| 25           | 25.14                     | 38.19              | 85.76               | 24.00         | 0.8116              | 2.625             | 1,254.95        | 1293.10                       | 1,622.77          | No     |
| 26           | 25.18                     | 38.20              | 84.41               | 24.00         | 0.8116              | 2.625             | 1,257.88        | 1293.10                       | 1,626.56          | No     |
| 27           | 25.73                     | 38.23              | 85.76               | 24.00         | 0.8116              | 2.625             | 1,270.00        | 1293.10                       | 1,642.24          | No     |
| 28           | 25.77                     | 38.28              | 84.14               | 24.00         | 0.8116              | 2.625             | 1,273.65        | 1293.10                       | 1,646.96          | No     |
| 29           | 24.40                     | 38.28              | 80.61               | 24.00         | 0.8116              | 2.625             | 1,228.95        | 1293.10                       | 1,589.16          | No     |
| 30           | 26.00                     | 38.36              | 80.20               | 24.00         | 0.8116              | 2.625             | 1,285.05        | 1293.10                       | 1,661.70          | No     |
| 31           | 26.11                     | 38.46              | 74.99               | 24.00         | 0.8116              | 2.625             | 1,296.07        | 1293.10                       | 1,675.94          | No     |
| <b>TOTAL</b> | 20.14                     | 38.18              | 80.54               | 744.00        | 0.8116              |                   | 33,796.53       |                               | 43,702.29         |        |

| 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 | 1349 MCF/D                                 | 8/15/2021    | Continuous | ACO Requested   |
| ROSS RANCH 09.13.14 BATTERY                 | 32.636187 | -104.47781  | 1451 MCF/D                                 | 8/15/2021    | Continuous | ACO Requested   |
| OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY  | 32.652839 | -104.478905 | 917 MCF/D                                  | 8/15/2021    | Continuous | ACO Requested   |
| LAKEWOOD FEDERAL COM NORTH BATTERY          | 32.625808 | -104.469155 | 2973 MCF/D                                 | 8/15/2021    | Continuous | ACO Requested   |
| LAKEWOOD FEDERAL COM SOUTH BATTERY          | 32.608649 | -104.479201 | 1639 MCF/D                                 | 8/15/2021    | Continuous | ACO Requested   |
| DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY | 32.614416 | -104.478493 | 861 MCF/D                                  | 8/15/2021    | Continuous | ACO Requested   |
| HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY   | 32.610648 | -104.472851 | 859 MCF/D                                  | 8/15/2021    | Continuous | ACO Requested   |

**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 44383

**QUESTIONS**

|                                                                                 |                                                        |
|---------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                       |
|                                                                                 | Action Number:<br>44383                                |
|                                                                                 | 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 | [fAPP2123533271] Ross Ranch 09.12.13.14 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 notification of a major venting and/or flaring                                                                                                                                                                                                         | 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                                     | 65     |
| Nitrogen (N2) percentage, if greater than one percent        | 3      |
| Hydrogen Sulfide (H2S) PPM, rounded up                       | 26,586 |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 3      |
| 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 | 08/15/2021 |
| 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: 1,451 Mcf   Recovered: 0 Mcf   Lost: 1,451 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. |
| 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 44383

**CONDITIONS**

|                                                                                 |                                                        |
|---------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>Spur Energy Partners LLC<br>9655 Katy Freeway<br>Houston, TX 77024 | OGRID:<br>328947                                       |
|                                                                                 | Action Number:<br>44383                                |
|                                                                                 | 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. | 8/25/2021      |