

Monthly Meter Analysis  
November 2023



Meter #: 81246-01  
Name: ROSA UNIT 200

**Sample**  
Date: 02/03/2023  
Type: Spot  
Pressure: 76.0 H2O:  
Temperature: 54.0 H2S:

| Component              | Mole %   | Liquid Content | Mass %   |
|------------------------|----------|----------------|----------|
| Carbon Dioxide (CO2)   | 8.2170   |                | 19.6354  |
| Nitrogen (N2)          | 0.0650   |                | 0.0989   |
| Methane (C1)           | 91.3700  |                | 79.5896  |
| Ethane (C2)            | 0.2160   | 0.0577         | 0.3527   |
| Propane (C3)           | 0.1290   | 0.0355         | 0.3089   |
| Isobutane (IC4)        | 0.0000   | 0.0000         | 0.0000   |
| n-Butane (NC4)         | 0.0000   | 0.0000         | 0.0000   |
| Isopentane (IC5)       | 0.0010   | 0.0004         | 0.0039   |
| n-Pentane (NC5)        | 0.0000   | 0.0000         | 0.0000   |
| Hexanes Plus (C6+)     | 0.0021   | 0.0008         | 0.0106   |
| Argon (Ar)             |          |                |          |
| Carbon Monoxide (CO)   |          |                |          |
| Hydrogen (H2)          |          |                |          |
| Oxygen (O2)            |          |                |          |
| Helium (He)            |          |                |          |
| Water (H2O)            |          |                |          |
| Hydrogen Sulfide (H2S) |          |                |          |
| Totals                 | 100.0001 | 0.0944         | 100.0000 |

| Property               | Total Sample |
|------------------------|--------------|
| Pressure Base          | 14.730       |
| Temperature Base       | 60.00        |
| Relative Density       | 0.6370       |
| HV, Dry @ Base P,T     | 934.22       |
| HV, Sat @ Base P, T    | 917.96       |
| HV, Sat @ Sample P, T  |              |
| Cricondentherm         |              |
| HCDP @ Sample Pressure |              |
| Full Wellstream        |              |
| Free Water             |              |
| Condensate             |              |
| 26 # RVP Gasoline      | 0.002        |
| Testcar Permian        | 0.142        |
| Testcar Panhandle      | 0.351        |
| Testcar Midcon         | 0.286        |

Calculation of release volume were determined by utilizing production deltas.

**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**

DEFINITIONS

Action 323880

DEFINITIONS

|                                                                               |                                                        |
|-------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>LOGOS OPERATING, LLC<br>2010 Afton Place<br>Farmington, NM 87401 | OGRID:<br>289408                                       |
|                                                                               | Action Number:<br>323880                               |
|                                                                               | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

DEFINITIONS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: <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> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**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 323880

QUESTIONS

|                                                                               |                                                        |
|-------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>LOGOS OPERATING, LLC<br>2010 Afton Place<br>Farmington, NM 87401 | OGRID:<br>289408                                       |
|                                                                               | Action Number:<br>323880                               |
|                                                                               | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

QUESTIONS

|                                                                                                                                                                                            |                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>Prerequisites</b><br>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                                                                                                                                                                              | [30-039-24390] ROSA UNIT #200 |
| Incident Facility                                                                                                                                                                          | Unavailable.                  |

|                                                                                                                                                                                                                                                                                     |                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>Determination of Reporting Requirements</b><br>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                                                                                                                                                                                                                        | Yes                                                                           |
| 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, answer to "eight hours or more" suggests this is at least a minor event. |
| 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                                                                                                                                                                                                     | No                                                                            |
| 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                                                                            |

|                                                           |                                                                                                     |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Equipment Involved</b>                                 |                                                                                                     |
| Primary Equipment Involved                                | Pipeline (Any)                                                                                      |
| Additional details for Equipment Involved. Please specify | The pipeline that was identified to be leaking was the pipe between the wellhead and the separator. |

|                                                                                                                                                             |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Representative Compositional Analysis of Vented or Flared Natural Gas</b><br>Please provide the mole percent for the percentage questions in this group. |               |
| Methane (CH4) percentage                                                                                                                                    | 91            |
| Nitrogen (N2) percentage, if greater than one percent                                                                                                       | 0             |
| Hydrogen Sulfide (H2S) PPM, rounded up                                                                                                                      | 0             |
| Carbon Dioxide (C02) percentage, if greater than one percent                                                                                                | 8             |
| 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 Sufide (H2S) PPM quality requirement                                                                                                               | Not answered. |
| Carbon Dioxide (C02) percentage quality requirement                                                                                                         | Not answered. |
| Oxygen (O2) percentage quality requirement                                                                                                                  | Not answered. |

**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, Page 2  
  
Action 323880

QUESTIONS (continued)

|                                                                               |                                                        |
|-------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>LOGOS OPERATING, LLC<br>2010 Afton Place<br>Farmington, NM 87401 | OGRID:<br>289408                                       |
|                                                                               | Action Number:<br>323880                               |
|                                                                               | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

QUESTIONS

| Date(s) and Time(s)                            |            |
|------------------------------------------------|------------|
| Date vent or flare was discovered or commenced | 03/12/2024 |
| Time vent or flare was discovered or commenced | 11:59 AM   |
| Time vent or flare was terminated              | 12:00 PM   |
| Cumulative hours during this event             | 24         |

| Measured or Estimated Volume of Vented or Flared Natural Gas              |                                                                                                                    |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Natural Gas Vented (Mcf) Details                                          | Cause: Equipment Failure   Pipeline (Any)   Natural Gas Vented   Released: 2 Mcf   Recovered: 0 Mcf   Lost: 2 Mcf. |
| Natural Gas Flared (Mcf) Details                                          | Not answered.                                                                                                      |
| 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                                                      | LOGOS conducts weekly AVOS and performs OGI inspections to ensure compliance and this event was an unforeseen event. |
| Steps taken to limit the duration and magnitude of vent or flare                                                                 | The well was immediately shut in once it was identified an undesirable event occurred.                               |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare                                                | Continue to perform AVO and OGI inspections.                                                                         |



**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

ACKNOWLEDGMENTS

Action 323880

ACKNOWLEDGMENTS

|                                                                               |                                                        |
|-------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>LOGOS OPERATING, LLC<br>2010 Afton Place<br>Farmington, NM 87401 | OGRID:<br>289408                                       |
|                                                                               | Action Number:<br>323880                               |
|                                                                               | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

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.                                                                                                                          |

**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

CONDITIONS

Action 323880

CONDITIONS

|                                                                               |                                                        |
|-------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>LOGOS OPERATING, LLC<br>2010 Afton Place<br>Farmington, NM 87401 | OGRID:<br>289408                                       |
|                                                                               | Action Number:<br>323880                               |
|                                                                               | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

CONDITIONS

| Created By | Condition                                                                                                                                                                          | Condition Date |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| vanessaf   | 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. | 3/16/2024      |