



# Certificate of Analysis

Number: 6030-26042528-001A

**Artesia Laboratory**  
 200 E Main St.  
 Artesia, NM 88210  
 Phone 575-746-3481

Chandler Montgomery  
 Occidental Petroleum  
 1502 W Commerce Dr.  
 Carlsbad, NM 88220

|                   |                                       |                    |                                  |
|-------------------|---------------------------------------|--------------------|----------------------------------|
| Field:            | PERMIAN_RESOURCES                     | Report Date:       | 04/21/2026                       |
| Station Name:     | PRECIOUS CTB TRAIN 1 CHECK (FMP) -- M | Sampled By:        | JE                               |
| Station Number:   | 17621C                                | Sample Of:         | Gas                              |
| Station Location: | OP-DELSE-BT001                        | Sample Type:       | Spot                             |
| Sample Point:     | Meter                                 | Sample Conditions: | 104 psig, @ 80 °F Ambient: 75 °F |
| Property ID:      | FMP/LSE NMNM021640                    | Sample Date:       | 04/14/2026 10:00                 |
| Formation:        | NEW_MEXICO                            | Received Date:     | 04/15/2026                       |
| County:           |                                       | Login Date:        | 04/15/2026                       |
| Well Name:        | CTB                                   | Effective Date:    | 04/01/2026                       |
| Type of Sample :  | Spot-Cylinder                         | Flow Rate:         | 39717 MSCFD                      |
| Sampling Company: | SPL - OXY                             | Sampling Method:   | Purge/Fill                       |
| Instrument:       | 70142339 (Inficon GC-MicroFusion)     | Heating Method:    | Yes                              |
| Last Inst. Cal.:  | 04/20/2026 0:00 AM                    | Method:            | GPA 2286                         |
| Analyzed:         | 04/20/2026 10:02:46 by CDW            | Cylinder No:       | 9999-005161                      |

## Analytical Data

| Components       | Un-normalized<br>Mol % | Mol. %   | Wt. %    | GPM at<br>14.65 psia |                        |
|------------------|------------------------|----------|----------|----------------------|------------------------|
| Hydrogen Sulfide | 0.0000                 | 0.0000   | 0.0000   |                      | GPM TOTAL C2+<br>6.430 |
| Nitrogen         | 1.5381                 | 1.5337   | 1.9397   |                      |                        |
| Carbon Dioxide   | 0.7191                 | 0.7170   | 1.4246   |                      |                        |
| Methane          | 75.5187                | 75.3020  | 54.5387  |                      |                        |
| Ethane           | 11.9960                | 11.9616  | 16.2381  | 3.193                |                        |
| Propane          | 5.9654                 | 5.9483   | 11.8417  | 1.636                |                        |
| Iso-Butane       | 0.8130                 | 0.8107   | 2.1273   | 0.265                |                        |
| n-Butane         | 1.9138                 | 1.9083   | 5.0074   | 0.601                |                        |
| Iso-Pentane      | 0.4588                 | 0.4575   | 1.4902   | 0.167                |                        |
| n-Pentane        | 0.5105                 | 0.5090   | 1.6580   | 0.184                |                        |
| Hexanes          | 0.3686                 | 0.3675   | 1.4298   | 0.151                |                        |
| Heptanes         | 0.3217                 | 0.3208   | 1.4512   | 0.148                |                        |
| Octanes          | 0.1488                 | 0.1484   | 0.7653   | 0.076                |                        |
| Nonanes Plus     | 0.0152                 | 0.0152   | 0.0880   | 0.009                |                        |
|                  | 100.2877               | 100.0000 | 100.0000 | 6.430                |                        |

|   |              |            |
|---|--------------|------------|
| <b>Calculated Physical Properties</b>                       | <b>Total</b> | <b>C9+</b> |
| Calculated Molecular Weight                                 | 22.15        | 128.26     |
| Compressibility Factor                                      | 0.9960       |            |
| Relative Density Real Gas                                   | 0.7675       | 4.4283     |
| <b>GPA 2172 Calculation:</b>                                |              |            |
| <b>Calculated Gross BTU per ft³ @ 14.65 psia &amp; 60°F</b> |              |            |
| Real Gas Dry BTU  | 1295.8       | 6974.4     |
| Water Sat. Gas Base BTU                                     | 1273.6       | 6852.4     |
| Ideal, Gross HV - Dry at 14.65 psia                         | 1290.6       | 6946.7     |
| Ideal, Gross HV - Wet                                       | 1268.1       | 6822.3     |

**Comments:** Calculations completed utilizing GPA-2145 at a temperature base of 60°F  
 H2S Field Content: 0 %

*Mostaq Ahammad*

Mostaq Ahammad, Petroleum Chemist

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

**UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM****Facility Id#** fAPP2317679662**Facility:** Precious NC 31 CTB**Duration of Event:** 5 Hours 45 Minutes**Start Time:** 07:45 AM**Cause:** Emergency Flare > Malfunction - Automation Team > VRU Issues > ESD**Method of Flared Gas Measurement:** Gas Flare Meter**Operator:** OXY USA, Inc.**Flare Date:** 06/15/2026**MCF Flared:** 66**End Time:** 01:30 PM**1. Reason why this event was beyond Operator's control:**

This emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. OXY engages in respectable and good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this instance, the event was caused by the automation personnel at OXY inadvertently initiating an emergency shutdown while attempting to resolve issues with the VRU equipment located on-site. This accidental emergency shutdown, then prompted field pressure to increase and overpressure, which in turn triggered a flaring event to occur at the Precious NC 31 CTB. OXY did not anticipate its automation personnel initiating an emergency shutdown, as all necessary precautions were taken to avoid such scenarios. Flaring is implemented as an essential safety protocol to manage excess gas resulting from operational disruptions. This process allows us to control facility overpressure, safely combust excess gas, and mitigate potential risks including equipment damage, leaks, or explosions, thereby ensuring the protection of our operations, equipment, and field personnel. OXY's operations and facility equipment were operating normally and at full capacity before the flaring event. The event arose due to circumstances outside OXY's control. OXY implemented all feasible measures to manage and minimize emissions as effectively as possible.

**2. Steps Taken to limit duration and magnitude of venting or flaring:**

It is OXY's policy to route its stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, that is beyond OXY's control to avoid, prevent or foresee, to minimize emissions as much as possible as part of the overall steps taken to limit duration and magnitude of flaring. In this instance, the event was caused by the automation personnel at OXY inadvertently initiating an emergency shutdown while attempting to resolve issues with the VRU equipment located on-site. This accidental emergency shutdown, prompted field pressure to increase and overpressure, which in turn triggered a flaring event to occur at the Precious NC 31 CTB. OXY did not anticipate its automation personnel initiating an emergency shutdown, as all necessary precautions were taken to avoid such scenarios. Once flaring was triggered, OXY production technicians promptly continued to choke back several additional wells and decreased injection rates in the affected area. These measures were taken to reduce field pressure below the flare activation thresholds of the facility to cease flaring. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.

**3. Corrective Actions taken to eliminate the cause and reoccurrence of venting or flaring:**

OXY has limited corrective-action options to prevent flaring events that may result from maintenance, programming, or other automation-related work performed on facility equipment when such activities inadvertently create unforeseen or unavoidable conditions. OXY remains committed to maintaining and operating its equipment in accordance with best practices to minimize emissions and reduce the likelihood of future emission events. In these circumstances, OXY continues to reinforce with field personnel the importance of taking appropriate actions, where feasible, to limit emissions and avoid flaring.



Sante Fe Main Office  
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General Information  
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Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

DEFINITIONS

Action 600948

**DEFINITIONS**

|  |  |
|--|--|
| Operator:<br>OXY USA INC<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>16696  |
|  | Action Number:<br>600948                               |
|  | 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:

- this application's operator, hereinafter "this operator";
- venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.

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QUESTIONS

Action 600948

**QUESTIONS**

|  |  |
|--|--|
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|  | Action Number:<br>600948                               |
|  | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS**

|   |                                     |
|---|-------------------------------------|
| <b>Prerequisites</b>  |                                     |
| <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   | Unavailable.                        |
| Incident Facility   | [fAPP2317679662] PRECIOUS NC 31 CTB |

|  |   |
|--|---|
| <b>Determination of Reporting Requirements</b>   |   |
| <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>   |   |
| 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   | No  |
| Is this considered a submission for a vent or flare event  | Yes, minor 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 <b>at least 50 MCF</b> of natural gas vented and/or flared during this event   | Yes   |
| Did this vent or flare result in the release of <b>ANY</b> 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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence  | No  |

|   |  |
|---|--|
| <b>Equipment Involved</b>                                 |  |
| Primary Equipment Involved                                | Other (Specify)  |
| Additional details for Equipment Involved. Please specify | Emergency Flare > Malfunction - Automation Team > VRU Issues > ESD |

|  |               |
|--|---------------|
| <b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>   |               |
| <i>Please provide the mole percent for the percentage questions in this group.</i>   |               |
| Methane (CH4) percentage   | 75            |
| Nitrogen (N2) percentage, if greater than one percent  | 2             |
| Hydrogen Sulfide (H2S) PPM, rounded up   | 0             |
| Carbon Dioxide (CO2) percentage, if greater than one percent   | 1             |
| 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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QUESTIONS, Page 2

Action 600948

**QUESTIONS (continued)**

|  |  |
|--|--|
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|  | Action Number:<br>600948                               |
|  | 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 | 06/15/2026 |
| Time vent or flare was discovered or commenced | 07:45 AM   |
| Time vent or flare was terminated              | 01:30 PM   |
| Cumulative hours during this event             | 6          |

| Measured or Estimated Volume of Vented or Flared Natural Gas              |   |
|---|---|
| Natural Gas Vented (Mcf) Details  | <i>Not answered.</i>  |
| Natural Gas Flared (Mcf) Details  | Cause: Equipment Failure   Other (Specify)   Natural Gas Flared   Released: 66 Mcf   Recovered: 0 Mcf   Lost: 66 Mcf. |
| Other Released Details  | <i>Not answered.</i>  |
| Additional details for Measured or Estimated Volume(s). Please specify    | Gas Flare Meter   |
| Is this a gas only submission (i.e. only significant Mcf values reported) | <b>Yes, according to supplied volumes this appears to be a "gas only" report.</b>                                     |

| 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 | <i>Not answered.</i> |
| Downstream OGRID that should have notified this operator          | <i>Not answered.</i> |
| Date notified of downstream activity requiring this vent or flare | <i>Not answered.</i> |
| Time notified of downstream activity requiring this vent or flare | <i>Not answered.</i> |

| 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  | This emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. |
| Steps taken to limit the duration and magnitude of vent or flare   | It is OXY's policy to route its stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, that is beyond OXY's control to avoid, prevent or foresee, to minimize emissions as much as possible as part of the overall steps taken to limit duration and magnitude of flaring.   |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare  | OXY has limited corrective-action options to prevent flaring events that may result from maintenance, programming, or other automation-related work performed on facility equipment when such activities inadvertently create unforeseen or unavoidable conditions.  |



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ACKNOWLEDGMENTS

Action 600948

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|  | Action Number:<br>600948                               |
|  | 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.  |

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CONDITIONS

Action 600948

**CONDITIONS**

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**CONDITIONS**

| Created By | Condition  | Condition Date |
|------------|--|----------------|
| marialuna2 | 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. | 6/30/2026      |