PANTECHS LABORATORIES, INC.

*Leaders in Petroleum Analytical Services*
*www.pantechs.com*

# Analytical Report

2/10/2023

| | | | |
|---|---|---|---|
| **Customer:** | Occidental Permian Ltd. | **Order:** | 503-4218 |
| **Location:** | North Hobbs Unit | **Received:** | 2/9/2023 |
| **Description:** | Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses | **Primary Contact:** | Chris Poe |

**REPORT DISTRIBUTION:**

Chris Poe , Richard Sanders

All data reported in this Analytical Report is in compliance with the test method(s) performed as of the date noted above. The validity and integrity of this report will remain intact as long as it is accompanied by this page and reproduced in full. Any datafile (e.g. txt, csv, etc.) produced which is associated with the results in this report shall be considered for convenience only and does not supersede this report as the official test results. We reserve the right to return to you any unused samples received if we consider so necessary (e.g. samples identified as hazardous waste).

We appreciate you choosing Pantechs Laboratories. If you have any questions concerning this report, please feel free to contact us at any time.

**Pantechs Laboratories, Inc.**
**Order: 503-4218 Order Date: 2/9/2023**
**Order Description: North Hobbs Unit, Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses**

**Sample List**

| Fluid | Operator | Location | Site | Sample Point | Date | Time |
|---|---|---|---|---|---|---|
| Gas | Occidental Permian Ltd. | North Hobbs Unit | Central Tank Battery | Gas Leg of Production Separator | 2/9/2023 | 3:41 PM |
| Gas | Occidental Permian Ltd. | North Hobbs Unit | North Injection Battery | Gas Leg of Production Separator | 2/9/2023 | 3:31 PM |
| Gas | Occidental Permian Ltd. | North Hobbs Unit | West Injection Battery | Gas Leg of Production Separator | 2/9/2023 | 4:04 PM |
| Gas | Occidental Permian Ltd. | South Hobbs Unit | Central Tank Battery | Gas Leg of Production Separator | 2/9/2023 | 3:11 PM |

**No Sample List**

| Operator | Location | Site | Sample Point | Comment |
|---|---|---|---|---|

**Pantechs Laboratories, Inc. - Order: 503-4218 - Order Date: 2/9/2023**
**Order Description: North Hobbs Unit, Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses**

| SAMPLE ID | | COLLECTION DATA | |
|---|---|---|---|
| **Operator** | Occidental Permian Ltd. | **Pressure** | 26 psig |
| **Location** | North Hobbs Unit | **Sample Temp** | N/A |
| **Site** | Central Tank Battery | **Atm Temp** | 45 F |
| **Site Type** | Battery | **Collection Date** | 02/09/2023 |
| **Sample Point** | Gas Leg of Production Separator | **Collection Time** | 3:41 PM |
| **Spot/Comp** | Spot | **Collection By** | Cody Carson |
| **Meter ID** | | **Pressure Base** | 14.650 psi |
| **Purchaser** | | **Temperature Base** | 60 F |
| **Fluid** | Gas | **Container(s)** | PL2344 |

## GPA 2261 Gas Fractional Analysis with Water Vapor

| COMPOUND | FORMULA | MOL% | WT% | GPM |
|---|---|---|---|---|
| **NITROGEN** | N2 | 0.056 | 0.033 | 0.006 |
| **CARBON DIOXIDE** | CO2 | 80.489 | 74.605 | 13.780 |
| **HYDROGEN SULFIDE** | H2S | 1.281 | 0.919 | 0.173 |
| **WATER VAPOR** | H2O | 0.555 | 0.211 | 0.032 |
| **METHANE** | C1 | 0.484 | 0.164 | 0.082 |
| **ETHANE** | C2 | 0.391 | 0.248 | 0.105 |
| **PROPANE** | C3 | 2.653 | 2.464 | 0.734 |
| **I-BUTANE** | iC4 | 1.657 | 2.028 | 0.545 |
| **N-BUTANE** | nC4 | 4.715 | 5.772 | 1.493 |
| **I-PENTANE** | iC5 | 2.289 | 3.478 | 0.842 |
| **N-PENTANE** | nC5 | 1.769 | 2.688 | 0.644 |
| **HEXANES PLUS** | C6+ | 3.661 | 7.390 | 1.579 |
| **TOTALS:** | | **100.000** | **100.000** | **20.015** |

*Value of "0.000" in fractional interpreted as below detectable limit.*
*If Onsite H2S testing is performed, its resulting value is used in fractional table*

## GPA 2172/ASTM D3588 CALCULATED PROPERTIES

| WATER CONTENT | BTU/CF | Specific Gr. | Z Factor | Mol Weight | Wobbe IDX |
|---|---|---|---|---|---|
| **DRY** | 652.96 | 1.652 | 0.990 | 47.381 | 508.07 |
| **MEASURED WATER** | 653.42 | 1.656 | 0.990 | 47.481 | |

## Water Vapor

| GPM | PPMM | LBS/MMSCF | SAMPLE SATURATED |
|---|---|---|---|
| 0.032 | 5,550.000 | 264.286 | No |

## Onsite Testing by Stain Tube

| METHOD | TYPE | MEAS VALUE | MOL% | GRAINS/100 | PPMV |
|---|---|---|---|---|---|
| GPA2377 | H2S | 1.20 vol% | 1.2810 | 813.46 | 12,934.0 |

*Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.*

**Pantechs Laboratories, Inc. - Order: 503-4218 - Order Date: 2/9/2023**
**Order Description: North Hobbs Unit, Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses**

| SAMPLE ID | | COLLECTION DATA | |
|---|---|---|---|
| **Operator** | Occidental Permian Ltd. | **Pressure** | 34 psig |
| **Location** | North Hobbs Unit | **Sample Temp** | N/A |
| **Site** | North Injection Battery | **Atm Temp** | 45 F |
| **Site Type** | Battery | **Collection Date** | 02/09/2023 |
| **Sample Point** | Gas Leg of Production Separator | **Collection Time** | 3:31 PM |
| **Spot/Comp** | Spot | **Collection By** | Cody Carson |
| **Meter ID** | | **Pressure Base** | 14.650 psi |
| **Purchaser** | | **Temperature Base** | 60 F |
| **Fluid** | Gas | **Container(s)** | PL1003 |

## GPA 2261 Gas Fractional Analysis with Water Vapor

| COMPOUND | FORMULA | MOL% | WT% | GPM |
|---|---|---|---|---|
| **NITROGEN** | N2 | 0.065 | 0.041 | 0.007 |
| **CARBON DIOXIDE** | CO2 | 94.461 | 92.516 | 16.121 |
| **HYDROGEN SULFIDE** | H2S | 0.214 | 0.162 | 0.029 |
| **WATER VAPOR** | H2O | 0.540 | 0.216 | 0.031 |
| **METHANE** | C1 | 0.083 | 0.030 | 0.014 |
| **ETHANE** | C2 | 0.132 | 0.088 | 0.035 |
| **PROPANE** | C3 | 0.839 | 0.823 | 0.231 |
| **I-BUTANE** | iC4 | 0.397 | 0.514 | 0.130 |
| **N-BUTANE** | nC4 | 1.096 | 1.418 | 0.346 |
| **I-PENTANE** | iC5 | 0.452 | 0.726 | 0.166 |
| **N-PENTANE** | nC5 | 0.388 | 0.623 | 0.141 |
| **HEXANES PLUS** | C6+ | 1.333 | 2.843 | 0.573 |
| **TOTALS:** | | **100.000** | **100.000** | **17.824** |

*Value of "0.000" in fractional interpreted as below detectable limit.*
*If Onsite H2S testing is performed, its resulting value is used in fractional table*

## GPA 2172/ASTM D3588 CALCULATED PROPERTIES

| WATER CONTENT | BTU/CF | Specific Gr. | Z Factor | Mol Weight | Wobbe IDX |
|---|---|---|---|---|---|
| **DRY** | 178.36 | 1.558 | 0.993 | 44.838 | 142.89 |
| **MEASURED WATER** | 178.67 | 1.562 | 0.993 | 44.935 | |

## Water Vapor

| GPM | PPMM | LBS/MMSCF | SAMPLE SATURATED |
|---|---|---|---|
| 0.031 | 5,400.000 | 257.143 | No |

## Onsite Testing by Stain Tube

| METHOD | TYPE | MEAS VALUE | MOL% | GRAINS/100 | PPMV |
|---|---|---|---|---|---|
| GPA2377 | H2S | 0.20 vol% | 0.2135 | 135.58 | 2,155.7 |

*Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.*

**Pantechs Laboratories, Inc. - Order: 503-4218 - Order Date: 2/9/2023**
**Order Description: North Hobbs Unit, Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses**

| SAMPLE ID | | COLLECTION DATA | |
|---|---|---|---|
| **Operator** | Occidental Permian Ltd. | **Pressure** | 28 psig |
| **Location** | North Hobbs Unit | **Sample Temp** | N/A |
| **Site** | West Injection Battery | **Atm Temp** | 40 F |
| **Site Type** | Battery | **Collection Date** | 02/09/2023 |
| **Sample Point** | Gas Leg of Production Separator | **Collection Time** | 4:04 PM |
| **Spot/Comp** | Spot | **Collection By** | Cody Carson |
| **Meter ID** | | **Pressure Base** | 14.650 psi |
| **Purchaser** | | **Temperature Base** | 60 F |
| **Fluid** | Gas | **Container(s)** | PL0245 |

## GPA 2261 Gas Fractional Analysis with Water Vapor

| COMPOUND | FORMULA | MOL% | WT% | GPM |
|---|---|---|---|---|
| **NITROGEN** | N2 | 0.048 | 0.030 | 0.005 |
| **CARBON DIOXIDE** | CO2 | 93.595 | 92.306 | 15.972 |
| **HYDROGEN SULFIDE** | H2S | 1.480 | 1.130 | 0.200 |
| **WATER VAPOR** | H2O | 0.511 | 0.206 | 0.029 |
| **METHANE** | C1 | 0.487 | 0.175 | 0.083 |
| **ETHANE** | C2 | 0.185 | 0.125 | 0.050 |
| **PROPANE** | C3 | 0.623 | 0.616 | 0.172 |
| **I-BUTANE** | iC4 | 0.219 | 0.285 | 0.072 |
| **N-BUTANE** | nC4 | 0.645 | 0.840 | 0.204 |
| **I-PENTANE** | iC5 | 0.435 | 0.703 | 0.159 |
| **N-PENTANE** | nC5 | 0.417 | 0.674 | 0.151 |
| **HEXANES PLUS** | C6+ | 1.355 | 2.910 | 0.582 |
| **TOTALS:** | | **100.000** | **100.000** | **17.679** |

*Value of "0.000" in fractional interpreted as below detectable limit.*
*If Onsite H2S testing is performed, its resulting value is used in fractional table*

## GPA 2172/ASTM D3588 CALCULATED PROPERTIES

| WATER CONTENT | BTU/CF | Specific Gr. | Z Factor | Mol Weight | Wobbe IDX |
|---|---|---|---|---|---|
| **DRY** | 167.09 | 1.547 | 0.993 | 44.533 | 134.32 |
| **MEASURED WATER** | 167.38 | 1.551 | 0.993 | 44.625 | |

## Water Vapor

| GPM | PPMM | LBS/MMSCF | SAMPLE SATURATED |
|---|---|---|---|
| 0.029 | 5,110.000 | 243.333 | No |

## Onsite Testing by Stain Tube

| METHOD | TYPE | MEAS VALUE | MOL% | GRAINS/100 | PPMV |
|---|---|---|---|---|---|
| GPA2377 | H2S | 1.40 vol% | 1.4797 | 939.64 | 14,940.3 |

*Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.*

## Pantechs Laboratories, Inc. - Order: 503-4218 - Order Date: 2/9/2023

**Order Description: North Hobbs Unit, Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses**

| SAMPLE ID | | COLLECTION DATA | |
|---|---|---|---|
| **Operator** | Occidental Permian Ltd. | **Pressure** | 27 psig |
| **Location** | South Hobbs Unit | **Sample Temp** | N/A |
| **Site** | Central Tank Battery | **Atm Temp** | 50 F |
| **Site Type** | Battery | **Collection Date** | 02/09/2023 |
| **Sample Point** | Gas Leg of Production Separator | **Collection Time** | 3:11 PM |
| **Spot/Comp** | Spot | **Collection By** | Cody Carson |
| **Meter ID** | | **Pressure Base** | 14.650 psi |
| **Purchaser** | | **Temperature Base** | 60 F |
| **Fluid** | Gas | **Container(s)** | PL2332 |

### GPA 2261 Gas Fractional Analysis with Water Vapor

| COMPOUND | FORMULA | MOL% | WT% | GPM |
|---|---|---|---|---|
| **NITROGEN** | N2 | 0.056 | 0.033 | 0.006 |
| **CARBON DIOXIDE** | CO2 | 80.302 | 74.480 | 13.748 |
| **HYDROGEN SULFIDE** | H2S | 1.509 | 1.084 | 0.204 |
| **WATER VAPOR** | H2O | 0.553 | 0.210 | 0.032 |
| **METHANE** | C1 | 0.483 | 0.163 | 0.082 |
| **ETHANE** | C2 | 0.390 | 0.247 | 0.105 |
| **PROPANE** | C3 | 2.647 | 2.460 | 0.733 |
| **I-BUTANE** | iC4 | 1.653 | 2.025 | 0.543 |
| **N-BUTANE** | nC4 | 4.705 | 5.763 | 1.490 |
| **I-PENTANE** | iC5 | 2.284 | 3.473 | 0.840 |
| **N-PENTANE** | nC5 | 1.765 | 2.684 | 0.642 |
| **HEXANES PLUS** | C6+ | 3.653 | 7.378 | 1.575 |
| **TOTALS:** | | **100.000** | **100.000** | **20.000** |

*Value of "0.000" in fractional interpreted as below detectable limit.*
*If Onsite H2S testing is performed, its resulting value is used in fractional table*

### GPA 2172/ASTM D3588 CALCULATED PROPERTIES

| WATER CONTENT | BTU/CF | Specific Gr. | Z Factor | Mol Weight | Wobbe IDX |
|---|---|---|---|---|---|
| **DRY** | 653.00 | 1.651 | 0.990 | 47.351 | 508.26 |
| **MEASURED WATER** | 653.46 | 1.655 | 0.990 | 47.450 | |

### Water Vapor

| GPM | PPMM | LBS/MMSCF | SAMPLE SATURATED |
|---|---|---|---|
| 0.032 | 5,530.000 | 263.333 | No |

### Onsite Testing by Stain Tube

| METHOD | TYPE | MEAS VALUE | MOL% | GRAINS/100 | PPMV |
|---|---|---|---|---|---|
| GPA2377 | H2S | 1.40 vol% | 1.5093 | 958.43 | 15,239.0 |

*Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.*

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# UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

**Facility:** South Hobbs CTB

**Flare Date**: 12/24/2024

**Duration of event**: 2 Hours 45 Minutes

**MCF Flared**: 77

**Start Time:** 12:47 PM

**End Time:** 3:32 PM

**Cause:** Emergency Flare > Equipment Malfunction > Automation > Faulty Valve

**Method of Flared Gas Measurement:** Gas Flare Meter

**Comments:** This upset event was not caused by any wells associated with the facility

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## 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 case, there was a sudden and unexpected equipment malfunction, which in turn, caused the plant discharge valve to start functioning erratically. This then prompted high inlet pressure to battery to occur at the facility, which triggered a flaring event to occur. This event is out of OXY's control yet OXY made every effort to control and minimize emissions as much 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. The flare at this facility has a 98% combustion efficiency to lessen emissions as much as possible. In this case, there was a sudden and unexpected equipment malfunction, which in turn, then prompted high inlet pressure to battery to occur at the facility, which triggered a flaring event to occur. As soon as flaring was triggered, plant operation personnel began heating up the Dexpro unit and began to shut-in several wells to assist with reducing field pressure so that it would stay below the flare trigger setpoints of the facility. Operations then sent an automation technician to troubleshoot the faulty valve. This event is out of OXY's control, yet OXY made every effort to control and minimize emissions as much as possible.

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

Oxy is limited in the corrective actions available to them to eliminate the cause and potential reoccurrence of equipment malfunctions as notwithstanding various equipment design and operation, equipment operations are inherently dynamic and even the smallest alarms, false or true, can be sudden, reasonably unforeseeable, and unexpected which can cause unexpected and without warning malfunctions to occur, thereby, triggering flaring to occur. Oxy continually strives to maintain and operate all its equipment in a

manner consistent with good practices for minimizing emissions and reducing the number of emission events. Oxy has a strong and positive equipment preventative maintenance program in place.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

| | |
|---|---|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984 |
| | Action Number:<br>418423 |
| | 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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# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

QUESTIONS

Action 418423

## QUESTIONS

| | |
|---|---|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984 |
| | Action Number:<br>418423 |
| | 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 | *Unavailable.* |
| Incident Facility | **[fJXK1520829861] South Hobbs Unit CTB** |

| **Determination of Reporting Requirements** | |
|---|---|
| *Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional 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 | No |
| Is this considered a submission for a vent or flare event | **Yes, minor 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 **at least 50 MCF** of natural gas vented and/or flared during this event | Yes |
| 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 |

| **Equipment Involved** | |
|---|---|
| Primary Equipment Involved | Other (Specify) |
| Additional details for Equipment Involved. Please specify | Emergency Flare > Equipment Malfunction > Automation > Faulty Valve |

| **Representative Compositional Analysis of Vented or Flared Natural Gas** | |
|---|---|
| *Please provide the mole percent for the percentage questions in this group.* | |
| Methane (CH4) percentage | 0 |
| Nitrogen (N2) percentage, if greater than one percent | 0 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 15,090 |
| Carbon Dioxide (C02) percentage, if greater than one percent | 80 |
| Oxygen (02) 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 (02) percentage quality requirement | *Not answered.* |

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



## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984 |
| | Action Number:<br>418423 |
| | 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 | 12/24/2024 |
| Time vent or flare was discovered or commenced | 12:47 PM |
| Time vent or flare was terminated | 03:32 PM |
| Cumulative hours during this event | 3 |

| **Measured or Estimated Volume of Vented or Flared Natural Gas** | |
|---|---|
| Natural Gas Vented (Mcf) Details | *Not answered.* |
| Natural Gas Flared (Mcf) Details | Cause: Other \| Other (Specify) \| Natural Gas Flared \| Released: 77 Mcf \| Recovered: 0 Mcf \| Lost: 77 Mcf. |
| Other Released Details | Cause: Other \| Other (Specify) \| Carbon Dioxide \| Released: 333 Mcf \| Recovered: 0 Mcf \| Lost: 333 Mcf. |
| 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 | 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 case, there was a sudden and unexpected equipment malfunction, which in turn, caused the plant discharge valve to start functioning erratically. This then prompted high inlet pressure to battery to occur at the facility, which triggered a flaring event to occur. This event is out of OXY's control yet OXY made every effort to control and minimize emissions as much as possible. |
| 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. The flare at this facility has a 98% combustion efficiency to lessen emissions as much as possible. In this case, there was a sudden and unexpected equipment malfunction, which in turn, then prompted high inlet pressure to battery to occur at the facility, which triggered a flaring event to occur. As soon as flaring was triggered, plant operation personnel began heating up the Dexpro unit and began to shut-in several wells to assist with reducing field pressure so that it would stay below the flare trigger setpoints of the facility. Operations then sent an automation technician to troubleshoot the faulty valve. This |

| | |
|---|---|
| | event is out of OXY's control, yet OXY made every effort to control and minimize emissions as much as possible. |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare | Oxy is limited in the corrective actions available to them to eliminate the cause and potential reoccurrence of equipment malfunctions as notwithstanding various equipment design and operation, equipment operations are inherently dynamic and even the smallest alarms, false or true, can be sudden, reasonably unforeseeable, and unexpected which can cause unexpected and without warning malfunctions to occur, thereby, triggering flaring to occur. Oxy continually strives to maintain and operate all its equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. Oxy has a strong and positive equipment preventative maintenance program in place. |

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# 1220 S. St Francis Dr.
# Santa Fe, NM 87505



## ACKNOWLEDGMENTS

| | |
|---|---|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984 |
| | Action Number:<br>418423 |
| | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**ACKNOWLEDGMENTS**

| | |
|---|---|
| ☑ | I acknowledge that I am authorized to submit a *Venting and/or Flaring* (C-129) report on behalf of this operator and understand that this report can be **a complete** C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC. |
| ☑ | 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. |
| ☑ | 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. |
| ☑ | 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. |
| ☑ | 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. |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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



## CONDITIONS

| | |
|---|---|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984 |
| | Action Number:<br>418423 |
| | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| srojas | 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. | 1/8/2025 |