District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|---|---|
| Incident ID | NAPP2108232108 |
| District RP | |
| Facility ID | |
| Application ID | |

# Release Notification

## Responsible Party

| | |
|---|---|
| Responsible Party OCCIDENTAL PERMIAN LTD. | OGRID 157984 |
| Contact Name Richard Alvarado | Contact Telephone 432-209-2659 |
| Contact email Richard_Alvarado2@oxy.com | Incident # *(assigned by OCD)* |
| Contact mailing address 1017 W. Stanolind Road | |

## Location of Release Source

Latitude 32.677667 Longitude -103.157670
*(NAD 83 in decimal degrees to 5 decimal places)*

| | |
|---|---|
| Site Name SHURCF | Site Type OIL AND GAS PRODUCTION FACILITY |
| Date Release Discovered 03/22/2021 | API# *(if applicable) N/A* |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| F | 9 | 19-S | 38-E | LEA |

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

## Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|---|---|---|
| ☐ Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| ☐ Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☐ Yes ☐ No |
| ☐ Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| ☒ Natural Gas | Volume Released (Mcf) 1590 | Volume Recovered (Mcf) |
| ☐ Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

THE SOUTH PLANT EXPERIENCED A FLARING EVENT WHEN A LARGE DUST STORM PASSED THROUGH AND SHUT DOWN ALL COMPRESSORS. THE POWER ISSUE THAT CAUSED THE SHUTDOWN WAS "POWER UNBALANCE IN THE MCC".

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | NAPP2108232108 |
| District RP | |
| Facility ID | |
| Application ID | |

| Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No | If YES, for what reason(s) does the responsible party consider this a major release? |
|---|---|

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

## Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

☒ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Restarted Unit

STEPS 2-4 WAS NOT APPLICABLE

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Richard Alvarado Title: HES Specialist

Signature:  Date: 03/23/2021

email: Richard_Alvarado2@oxy.com Telephone: 432-209-2659

**OCD Only**

Received by: Ramona Marcus Date: 4/16/2021

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | NAPP2108232108 |
| District RP | |
| Facility ID | |
| Application ID | |

# Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

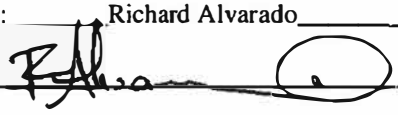
☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Richard Alvarado Title: HES Specialist

Signature:  Date: 03/23/2021

email: Richard_Alvarado2@oxy.com Telephone: 432-209-2659

**OCD Only**

Received by: Ramona Marcus Date: 4/16/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Date:

Printed Name: Title:

# OCCIDENTAL PERMIAN LTD.

**Event ID:** 111639
**Reporting Employee:** RICHARD ALVARADO

**Lease Name:** SOUTH HOBBS UNIT RCF
**Account Number:** 33207

**Equipment:** Plant Inlet
**NSR Permit Number:** 5418-R2

**EPN:** RCF - FLARE - MALF
**Title V Permit Number:**

**EPN Name** RCF flare - Malfunctions
**Reg Lease Number:**

**Flare Point:** Plant Inlet

**Explanation of the Cause:**

THE SOUTH PLANT EXPERIENCED A FLARING EVENT WHEN A LARGE DUST STORM PASSED THROUGH AND SHUT DOWN ALL COMPRESSORS. THE POWER ISSUE THAT CAUSED THE SHUTDOWN WAS "POWER UNBALANCE IN THE MCC".

**Event Type**
Malfunction
Malfunction
Malfunction

**Corrective Actions Taken to Minimize Emissions:**

OPERATIONS RESET ALL COMPRESSORS AND PUT THE UNITS BACK ONLINE AS QUICKLY AS POSSIBLE.

**Actions taken to prevent recurrence:**

OPERATIONS RESET ALL COMPRESSORS AND PUT THE UNITS BACK ONLINE AS QUICKLY AS POSSIBLE.

| Emission Start Date | Emission End Date | Duration |
|---|---|---|
| 3/22/2021 2:53:00 PM | 3/22/2021 3:21:00 PM | 0:28 hh:mm |

## NMED

| Pollutant | Duration (hh:mm) | Avging Period | Excess Emission | Number of Exceedances | Permit Limit | Average Emission Rate | Total Pounds | Tons Per Year | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Total | Next Drop off Date | Date Permit Exceeded |
| CO | 0:28 | 1 | 0 LBS | 0 | 448.60 | 510.25 LBS/HR | 238.11 | 0.11906 | 5/14/2021 | |
| H2S | 0:28 | 1 | 0 LBS | 0 | 38.90 | 33.93 LBS/HR | 15.83 | 0.007918 | 5/14/2021 | |
| NOX | 0:28 | 1 | 0 LBS | 0 | 79.30 | 59.51 LBS/HR | 27.77 | 0.013886 | 5/14/2021 | |
| SO2 | 0:28 | 1 | 0 LBS | 0 | 3659.00 | 3130.06 LBS/HR | 1460.69 | 0.730349 | 5/14/2021 | |
| VOC | 0:28 | 1 | 0 LBS | 0 | 520.30 | 341.2 LBS/HR | 159.22 | 0.079615 | 5/14/2021 | |

**Reporting Status:** Non-Reportable

## NMOCD

| Flare Stream Total | Total MCF | EPN | Latitude | Longitude | Reporting Status |
|---|---|---|---|---|---|
| 1410 MCF | 1590 MCF | RCF flare - Malfunctions | 32°40'40.890 | 103°9'35.360 | Major Release |

## LEPC

| Total MCF | H2S % | Unit Letter | Section | Township | | Range | |
|---|---|---|---|---|---|---|---|
| 1590 | 0.626 | E | 09 | 19 | S | 39 | E |

| Pollutant | Emission rate | Reportable Qty |
|---|---|---|
| SO2 | 1460.69 LBS/DAY | 500 LBS/DAY |
| SO2 | 1460.69 LBS/DAY | 500 LBS/DAY |
| SO2 | 1460.69 LBS/DAY | 500 LBS/DAY |

**Reporting Status:** Reportable

**Emissions Calculations:**

**NOx = MCF flared x NOx factor from RG-109 x BTU/scf x 1000 scf/MCF x MMBTU/1000000 BTU**
**CO = MCF flared x CO factor from RG-109 x BTU/scf x 1000 scf/MCF x MMBTU/1000000 BTU**
**Gas was flared to reduce the hydrocarbon and/or H2S emissions to the atmosphere.**
**NMNE NG = MCF flared x 50 lb/mole x mole/.379 MCF x mol % NMNE NG x 0.02**
**NMNE NG % = 100% - Methane % - Ethane % - Carbon Dioxide % - Nitrogen %**
**H2S = MCF flared x 34 lb/mole x mole/.379 MCF x mol % H2S/100 x 0.02**
**SO2 = MCF flared x 64 lb/mole x mole/.379 MCF x mol % H2S/100 x 0.98**