

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	NAPP2108338262
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 <u>Richard Alvarado2@oxy.com</u>	Incident # (assigned by OCD)
Contact mailing address 1017 W. Stanolind Road	

Location of Release Source

Latitude 32°43'14.96" Longitude 103°11'59.65"
(NAD 83 in decimal degrees to 5 decimal places)

Site Name NHURCF	Site Type OIL AND GAS PRODUCTION FACILITY
Date Release Discovered 03/20/2021	API# (if applicable) N/A

Unit Letter	Section	Township	Range	County
H	25	18-S	37-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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 112	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

THE NORTH PLANT EXPERIENCED A FLARING EVENT DUE "A" TRAIN SHUTTING DOWN ON "MOTOR DRIVE END VIBRATION ALARM"

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: 4/19/2021

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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: 4/19/2021

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: 111654 **Reporting Employee:** RICHARD ALVARADO
Lease Name: NORTH HOBBS UNIT RCF/WIB **Account Number:** 2415
Equipment: RCF Flare **NSR Permit Number:** 2656-M5
EPN: RCF FLARE **Title V Permit Number:**
EPN Name: RCF FLARE **Reg Lease Number:**
Flare Point: Flare Stack

Explanation of the Cause:

THE NORTH PLANT EXPERIENCED A FLARING EVENT DUE "A" TRAIN SHUTTING DOWN ON "MOTOR DRIVE END VIBRATION ALARM"

Event Type

Malfunction
 Malfunction
 Malfunction

Corrective Actions Taken to Minimize Emissions:

OPERATORS WORKED EFFECIENTLY TO RESET THE UNIT AND PUT IT BACK ONLINE TO REDUCE FLARING.

Actions taken to prevent recurrence:

OPERATORS WORKED EFFECIENTLY TO RESET THE UNIT AND PUT IT BACK ONLINE TO REDUCE FLARING.

Emission Start Date	Emission End Date	Duration
3/20/2021 8:15:00 PM	3/20/2021 8:29:00 PM	0:14 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	0:14	1	0 LBS	0	36.40	105.01 LBS/HR	24.5	0.012251	2/28/2022	
H2S	0:14	1	0 LBS	0	8.75	5.34 LBS/HR	1.24	0.000624	2/28/2022	
NOX	0:14	1	0 LBS	0	10.20	12.24 LBS/HR	2.85	0.001429	2/28/2022	
SO2	0:14	1	0 LBS	0	823.20	493.2 LBS/HR	115.08	0.05754	2/28/2022	
VOC	0:14	1	0 LBS	0	130.80	61.33 LBS/HR	14.31	0.007156	2/28/2022	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
95 MCF	112 MCF	RCF FLARE	32°43'14.96"	103°11'59.65"	Minor release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
112	0.732	H	25	18 S	37 E

Pollutant	Emission rate	Reportable Qty
SO2	115.08 LBS/DAY	500 LBS/DAY
SO2	115.08 LBS/DAY	500 LBS/DAY
SO2	115.08 LBS/DAY	500 LBS/DAY

Reporting Status: Non-reportable

Emissions Calculations:

$NO_x = \text{MCF flared} \times NO_x \text{ factor from RG-109} \times \text{BTU/scf} \times 1000 \text{ scf/MCF} \times \text{MMBTU}/1000000 \text{ BTU}$

$CO = \text{MCF flared} \times CO \text{ factor from RG-109} \times \text{BTU/scf} \times 1000 \text{ scf/MCF} \times \text{MMBTU}/1000000 \text{ BTU}$

Gas was flared to reduce the hydrocarbon and/or H2S emissions to the atmosphere.

$NMNE \text{ NG} = \text{MCF flared} \times 50 \text{ lb/mole} \times \text{mole}/.379 \text{ MCF} \times \text{mol \% NMNE NG} \times 0.02$

$NMNE \text{ NG \%} = 100\% - \text{Methane \%} - \text{Ethane \%} - \text{Carbon Dioxide \%} - \text{Nitrogen \%}$

$H_2S = \text{MCF flared} \times 34 \text{ lb/mole} \times \text{mole}/.379 \text{ MCF} \times \text{mol \% H}_2\text{S}/100 \times 0.02$

$SO_2 = \text{MCF flared} \times 64 \text{ lb/mole} \times \text{mole}/.379 \text{ MCF} \times \text{mol \% H}_2\text{S}/100 \times 0.98$