

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	NAPP2108337775
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 32.677667 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 03/21/2021	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)

<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) 100	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

THE SOUTH PLANT EXPERIENCED A FLARING EVENT DUE TO RCF-ZZZ-2030 SHUTTING DOWN ON A HIGH COOLING WATER PRESSURE SHUTDOWN ALARM. THIS WAS BECAUSE THE COOLANT MAKE UP PUMP OVER PRESSURED CAUSING THIS UNIT TO SHUTDOWN.

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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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.

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

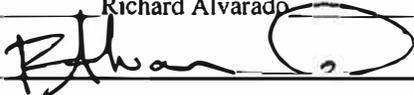
Restarted Unit

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

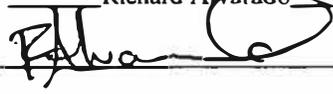
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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: 111653 **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 DUE TO RCF-ZZZ-2030 SHUTTING DOWN ON A HIGH COOLING WATER PRESSURE SHUTDOWN ALARM. THIS WAS BECAUSE THE COOLANT MAKE UP PUMP OVER PRESSURED CAUSING THIS UNIT TO SHUTDOWN.

Event Type

Malfunction
Malfunction
Malfunction

Corrective Actions Taken to Minimize Emissions:

OPERATIONS RESET THE UNIT AND WORKED EFFICIENTLY TO GET THE UNIT ON LINE TO MINIMIZE FLARING.

Actions taken to prevent recurrence:

OPERATIONS RESET THE UNIT AND WORKED EFFICIENTLY TO GET THE UNIT ON LINE TO MINIMIZE FLARING.

Emission Start Date	Emission End Date	Duration
3/21/2021 11:20:00 AM	3/21/2021 11:28:00 AM	0:08 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	0:08	1	0 LBS	0	448.60	209.3	LBS/HR	27.9	0.013954	5/14/2021	
H2S	0:08	1	0 LBS	0	38.90	5.05	LBS/HR	0.67	0.000337	5/14/2021	
NOX	0:08	1	0 LBS	0	79.30	24.41	LBS/HR	3.25	0.001627	5/14/2021	
SO2	0:08	1	0 LBS	0	3659.00	466.18	LBS/HR	62.15	0.031079	5/14/2021	
VOC	0:08	1	0 LBS	0	520.30	50.81	LBS/HR	6.77	0.003388	5/14/2021	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
60 MCF	100 MCF	RCF flare - Malfunctions	32°40'40.890	103°9'35.360	Minor release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
100	0.626	E	09	19 S	39 E

Pollutant	Emission rate	Reportable Qty
SO2	62.15 LBS/DAY	500 LBS/DAY
SO2	62.15 LBS/DAY	500 LBS/DAY
SO2	62.15 LBS/DAY	500 LBS/DAY

Reporting Status: Non-reportable

Emissions Calculations:

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

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

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

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

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

$H2S = MCF \text{ flared} \times 34 \text{ lb/mole} \times \text{mole}/.379 \text{ MCF} \times \text{mol} \% \text{ H2S}/100 \times 0.02$

$SO2 = MCF \text{ flared} \times 64 \text{ lb/mole} \times \text{mole}/.379 \text{ MCF} \times \text{mol} \% \text{ H2S}/100 \times 0.98$