

# OCCIDENTAL PERMIAN LTD.

**Event ID:** 96568 **Reporting Employee:** CARY, JASON  
**Lease Name:** SOUTH HOBBS UNIT RCF **Account Number:** 33207  
**Equipment:** Plant Inlet **NSR Permit Number:** 5418-R2  
**EPN:** RCF - FLARE - SSM **Title V Permit Number:**  
**EPN Name:** RCF flare - SSM **Reg Lease Number:**  
**Flare Point:** Plant Inlet

**Explanation of the Cause:**

SHU LOST POWER TO THE PLANT DUE TO A LIGHTNING STRIKE FROM THE STORM.

**Event Type**

Malfunction  
 Malfunction  
 Malfunction  
 Malfunction

**Corrective Actions Taken to Minimize Emissions:**

ONCE POWER WAS RESTORED, OPERATIONS RESET AND GOT A AND B TRAIN BACK ONLINE AND OUT OF THE FLARE. LIGHTNING CAN NOT BE PREVENTED BY OXY.

**Actions taken to prevent recurrence:**

ONCE POWER WAS RESTORED, OPERATIONS RESET AND GOT A AND B TRAIN BACK ONLINE AND OUT OF THE FLARE.

Emission Start Date	Emission End Date	Duration
7/22/2019 6:38:00 PM	7/22/2019 9:09:00 PM	2:31 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	2:31	1	52.37 LBS	3	168.20	189.01 LBS/HR	475.68	0.237841	7/24/2019	
H2S	2:31	1	0 LBS	0	14.60	10.17 LBS/HR	25.6	0.012804	7/24/2019	
NOX	2:31	1	0 LBS	0	29.70	22.04 LBS/HR	55.47	0.027739	7/24/2019	
SO2	2:31	1	0 LBS	0	1372.10	938.53 LBS/HR	2361.97	1.180989	7/24/2019	
VOC	2:31	1	0 LBS	0	195.10	102.3 LBS/HR	257.47	0.128739	7/24/2019	

**Reporting Status:** Reportable

## NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
2280 MCF	2736 MCF	RCF flare - SSM	32°40'40.890	103°9'35.360	Major Release

## LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
2736	0.626	E	09	19 S	39 E

**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

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	NDHR1921752384
District RP	IRP-5629
Facility ID	fAB1906343538
Application ID	pDHR1921752109

## Release Notification

### Responsible Party

Responsible Party OCCIDENTAL PERMIAN LTD.	OGRID 16696
Contact Name JASON CARY	Contact Telephone 806-620-5501
Contact email JASON_CARY@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 07-22-2019	API# (if applicable) N/A

Unit Letter	Section	Township	Range	County
E	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) 2,736 MCF	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

SHU LOST POWER TO THE PLANT DUE TO A LIGHTNING STRIKE FROM THE STORM.

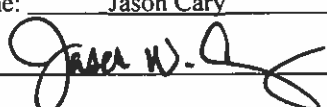
State of New Mexico  
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  FLARED OVER 500 MCF
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  YES, JASON CARY TO JIM GRISWOLD ON 07-22-2019 VIA EMAIL	

### 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 <u>not</u> been undertaken, explain why:  ONCE POWER WAS RESTORED, OPERATIONS RESET AND GOT A AND B TRAIN BACK ONLINE AND OUT OF THE FLARE.
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: <u>Jason Cary</u> Title: <u>HES Specialist</u> Signature:  Date: <u>07/22/2019</u> email: <u>Jason_Cary@oxy.com</u> Telephone: <u>806-620-5501</u>
<b><u>OCD Only</u></b>  Received by: <u>Dylan Rose-Coss</u> Date: <u>07/23/2019</u>

State of New Mexico  
Oil Conservation Division

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District RP	1RP-5629
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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: Jason Cary Title: HES Specialist

Signature:  Date: 07/23/2019

email: Jason\_Cary@oxy.com Telephone: 806-620-5501

**OCD Only**

Received by: Dylan Rose-Coss Date: 07/23/2019

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: Dylan Rose-Coss Date: 08/05/2019

Printed Name: Dylan Rose-Coss Title: NMOCD D1 Environmental Specialist