

# OCCIDENTAL PERMIAN LTD.

**Event ID:** 97157 **Reporting Employee:** CARY, JASON  
**Lease Name:** NORTH HOBBS UNIT RCF/WIB **Account Number:** 2415  
**Equipment:** RCF FLARE **NSR Permit Number:** 2656-M5  
**EPN:** RCF - FLR - SSM **Title V Permit Number:**  
**EPN Name:** RCF FLARE SSM EVENTS **Reg Lease Number:**  
**Flare Point:** RCF-FLR-SSM

## Explanation of the Cause:

Flared when 12300 shut down on high vibrations and was depressurized

## Event Type

Malfunction  
 Malfunction  
 Malfunction

## Corrective Actions Taken to Minimize Emissions:

Stopped unit from blowing down to eliminate the flare.

## Actions taken to prevent recurrence:

Stopped unit from blowing down.

| Emission Start Date   | Emission End Date     | Duration   |
|-----------------------|-----------------------|------------|
| 8/25/2019 11:51:00 AM | 8/25/2019 12:09:00 PM | 0:18 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        | 0:18             | 1             | 0 LBS           | 0                     | 152.10       | 106.42 LBS/HR         | 31.92        | 0.015963      | 8/26/2019          |                      |
| H2S       | 0:18             | 1             | 0 LBS           | 0                     | 14.60        | 5.26 LBS/HR           | 1.57         | 0.00079       | 8/26/2019          |                      |
| NOX       | 0:18             | 1             | 0 LBS           | 0                     | 27.10        | 12.41 LBS/HR          | 3.72         | 0.001862      | 8/26/2019          |                      |
| SO2       | 0:18             | 1             | 0 LBS           | 0                     | 1372.10      | 485.6 LBS/HR          | 145.68       | 0.072841      | 8/26/2019          |                      |
| VOC       | 0:18             | 1             | 0 LBS           | 0                     | 216.70       | 41.96 LBS/HR          | 12.58        | 0.006294      | 8/26/2019          |                      |

Reporting Status: Non-Reportable

## NMOCD

| Flare Stream Total | Total MCF | EPN                  | Latitude     | Longitude     | Reporting Status |
|--------------------|-----------|----------------------|--------------|---------------|------------------|
| 112 MCF            | 145 MCF   | RCF FLARE SSM EVENTS | 32°43'14.96" | 103°11'59.65" | Minor release    |

## LEPC

| Total MCF | H2S % | Unit Letter | Section | Township | Range |
|-----------|-------|-------------|---------|----------|-------|
| 145       | 0.786 | H           | 25      | 18 S     | 37 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