OCCIDENTAL PERMIAN LTD.

Event ID: 98119

Lease Name: NORTH HOBBS UNIT RCF/WIB

Equipment: RCF FLARE

EPN: RCF - FLR - SSM

EPN Name RCF FLARE SSM EVENTS

Flare Point: RCF-FLR-SSM

Reporting Employee: CARY, JASON

Account Number: 2415

NSR Permit Number: 2656-M5

Title V Permit Number:

Reg Lease Number:

Explanation of the Cause:

FLARED INTERMITENLY WHEN C AND F TRAIN SHUT DOWN ON 1ST STAGE DISCHARGE PRESSURE HIGH.

Event Type

Malfunction
Malfunction
Malfunction

Corrective Actions Taken to Minimize Emissions:

OXY IMMEDIATELY HAD OPERATIONS REPLACE VALVES ON C TRAIN AND ADJUST PRESSURE ON F TRAIN TO GET OUT OF THE FLARE.

Actions taken to prevent recurrence:

OXY IMMEDIATELY HAD OPERATIONS REPLACE VALVES ON C TRAIN AND ADJUST PRESSURE ON F TRAIN TO GET OUT OF THE FLARE.

Emission Start Date	Emission End Date	Duration
10/13/2019 5:34:00 AM	10/14/2019 12:26:00 PM	30:52 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	30:52	1	0	LBS	0	152.10	52.68	LBS/HR	1626.24	0.813124	10/18/2019	
H2S	30:52	1	0	LBS	0	14.60	2.94	LBS/HR	90.77	0.045388	10/18/2019	
NOX	30:52	1	0	LBS	0	27.10	6.14	LBS/HR	189.66	0.094835	10/18/2019	
SO2	30:52	1	0	LBS	0	1372.10	271.25	LBS/HR	8372.84	4.186421	10/18/2019	
VOC	30:52	1	0	LBS	0	216.70	23.44	LBS/HR	723.52	0.361763	10/18/2019	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
6437 MCF	7954 MCF	RCF FLARE SSM EVENTS	32°43'14.96"	103°11'59.65"	Major Release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township		Range	
7954	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