OCCIDENTAL PERMIAN LTD.

Event ID: 93352
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:

A Train shutdown on Vib trans fail, VI 2021, HH 2nd stg Suc, restarted at 10:32am.

Event Type

Malfunction
Malfunction
Malfunction

Corrective Actions Taken to Minimize Emissions:

Field cut back rates to minimize flaring

Actions taken to prevent recurrence:

Field cut back rates to minimize flaring

Emission Start Date	Emission End Date	Duration
4/16/2019 8:32:00 AM	4/16/2019 10:32:00 AM	2:00 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	2:00	1	0	LBS	0	168.20	167.1	LBS/HR	334.21	0.16711	4/23/2019	
H2S	2:00	1	0	LBS	0	14.60	1.56	LBS/HR	3.13	0.001567	4/23/2019	
NOX	2:00	1	0	LBS	0	29.70	19.49	LBS/HR	38.98	0.01949	4/23/2019	
SO2	2:00	1	0	LBS	0	1372.10	144.51	LBS/HR	289.03	0.144516	4/23/2019	
VOC	2:00	1	0	LBS	0	195.10	15.75	LBS/HR	31.5	0.015754	4/23/2019	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
279 MCF	837 MCF	RCF flare - SSM	32°40'40.890	103°9'35.360	Major Release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township		Range	
837	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