OCCIDENTAL PERMIAN LTD.

Event ID: 93619
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:

F Train shutdown on 2nd stage suction pressure HiHi.

Event Type

Malfunction
Malfunction
Malfunction

Corrective Actions Taken to Minimize Emissions:

Restarted F-Train, compressor back online

Actions taken to prevent recurrence:

Restarted F-Train, compressor back online

Emission Start Date	Emission End Date	Duration
4/30/2019 2:08:00 PM	4/30/2019 3:09:00 PM	1:01 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	1:01	1	503.79	LBS	2	152.10	647.63	LBS/HR	658.43	0.329216	5/3/2019	
H2S	1:01	1	21.92	LBS	2	14.60	36.16	LBS/HR	36.76	0.018382	5/3/2019	
NOX	1:01	1	49.24	LBS	2	27.10	75.53	LBS/HR	76.79	0.038397	5/3/2019	
SO2	1:01	1	1996.05	LBS	2	1372.10	3335.43	LBS/HR	3391.02	1.69551	5/3/2019	
VOC	1:01	1	72.71	LBS	2	216.70	288.22	LBS/HR	293.02	0.146515	5/3/2019	

Reporting Status: Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
2607 MCF	3221 MCF	RCF FLARE SSM EVENTS	32°43'14.96"	103°11'59.65"	Major Release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township		Range	
3221	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