

OCCIDENTAL PERMIAN LTD.

Event ID: 97386 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:

B TRAIN SHUT DOWN ON NO FLOW ON PROFLOW

Event Type

Malfunction
 Malfunction
 Malfunction

Corrective Actions Taken to Minimize Emissions:

AT REPLACED PROFLOW AND RESTARTED COMPRESSOR.

Actions taken to prevent recurrence:

AT REPLACED PROFLOW AND RESTARTED COMPRESSOR.

Emission Start Date	Emission End Date	Duration
9/4/2019 8:49:00 AM	9/4/2019 9:34:00 AM	0:45 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	0:45	1	0 LBS	0	152.10	133.76 LBS/HR	100.32	0.050163	9/6/2019	
H2S	0:45	1	0 LBS	0	14.60	13.89 LBS/HR	10.42	0.005211	9/4/2019	
NOX	0:45	1	0 LBS	0	27.10	15.6 LBS/HR	11.7	0.005851	9/6/2019	
SO2	0:45	1	0 LBS	0	1372.10	1281.65 LBS/HR	961.24	0.480622	9/4/2019	
VOC	0:45	1	0 LBS	0	216.70	110.75 LBS/HR	83.06	0.041532	9/4/2019	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
739 MCF	756 MCF	RCF FLARE SSM EVENTS	32°43'14.96"	103°11'59.65"	Major Release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
756	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