www.permianls.com 575.397.3713 2609 W Marland Hobbs NM 88240



11049G			NHU CTB Ir	nlet		NHU CT	B Inlet
Sample Point Code			Sample Point N	lame	_	Sample Poin	nt Location
Laboratory Serv	vices	2021048	599	0421		D Jett - Spot	t
Source Laborato	pry	Lab File I	No	Container Identity		Sampler	
USA		USA		USA		New Mexico	
District		Area Name		Field Name		Facility Name	
Nov 22, 2021 09:	20	Nov 22,	2021 09:20	Nov 2	2, 2021 15:49	Nov	23, 2021
Date Sampled		Date	e Effective	D	ate Received	Date	Reported
56.00		System Admi	nistrator	40 @ 80			
Ambient Temp (°F)	low Rate (Mcf)	Analyst	:	Press PSI @ Temp °F Source Conditions			
				Source Conditions			
Оху						NG	
Operator					Lab	Source Descript	ion
Component	Normalized	Un-Normalized	GPM	Gr	oss Heating Values	(Real, BTU/ft	t ³)
сопроиси	Mol %	Mol %	Giri	14.696 PSI (@ 60.00 °F
H2S (H2S)	1.8000	1.8		Dry 205.6	Saturated 203.000	Dry 206.1	Saturated 203.5
Nitrogen (N2)	0.0940	0.096			alculated Total Sam		
CO2 (CO2)	91.8670	93.552			GPA2145-16 *Calculated at (
Methane (C1)	1.3750	1.4		Relative De	•		ensity Ideal
Ethane (C2)	0.2500	0.254	0.0670	1.5 Molecula	464 r Weight	1.5	368
Propane (C3)	1.0280	1.047	0.2830	44.5	5106		
I-Butane (IC4)	0.3200	0.326	0.1050	- [C6+ Group Pro	operties	
	0.9180	0.935	0.2890	-	Assumed Comp		10.0000/
N-Butane (NC4)				C6 - 60.000°			3 - 10.000%
I-Pentane (IC5)	0.5360	0.546	0.1960	┥┃	Field H2S 18000 PF		
N-Pentane (NC5)	0.4910	0.5	0.1780	-			
Hexanes Plus (C6+)	1.3210	1.345	0.5730	PROTREND STATUS	:	DATA SOI	URCE:
TOTAL	100.0000	101.8010	1.6910	•	or on Nov 24, 2021	Imported	d
Method(s): Gas C6+ - GPA 2261, Extended	Gas - GPA 2286, Calcula	tions - GPA 2172		PASSED BY VALIDA Close enough to be	TOR REASON: be considered reason	nable.	
	Analyzer Informa	tion		VALIDATOR:			
Device Type: Gas Chromatog	graph Device	Make: Shimadz	u	Dustin Armstrong	-NTC-		
Device Model: GC-2014	Last C	al Date: Nov 14,	2021	VALIDATOR COMME OK	:N15:		

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: North Hobbs Unit CTB Flare Date: 01/22/2022

Duration of event: 5 hours 10 minutes **MCF Flared:** 559

Start Time: 07:20 AM End Time: 12:30 PM

Cause: Compressor Malfunction > Heat Trace > Faulty Breaker

Method of Flared Gas Measurement: Gas Flare Meter

Comments: This upset event was not caused by any wells associated with the facility

1. Reason why this event was beyond Operator's control:

The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. Notwithstanding compressor engine design and operation, compressors are inherently dynamic and even the smallest alarms and/or failures, false or true, can be sudden, reasonably unforeseeable, and unexpected which can cause compression malfunctions to occur, thereby, triggering the unit's sensors to automatically shut down the unit to avoid catastrophic damage to the internal engine components. In this case, the compressor unit's sudden and unreasonably foreseeable malfunction occurred due to a faulty breaker on the heat trace, which in turn, cause the heat trace to shut off, prompting the suction transmitter to freeze and triggering an automatic shutdown of the compressor. The facility equipment and the unit itself, was insulated and heat traced in advance, as part of Oxy's winter weather preparations. All OXY operations and facility equipment were running at maximized optimization prior to the malfunction which prompted the compressor unit to shut down. The facility and all its equipment were working as designed and operated normally prior to the sudden and without warning malfunction.

2. Steps Taken to limit duration and magnitude of venting or flaring:

It is OXY's policy to route all stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, as the part of the overall process or steps to take to limit duration and magnitude of flaring. Oxy personnel are in the field 24/7 and can physically see when we are flaring which in turn are communicated to additional Oxy field personnel. Internal OXY procedures ensure that upon gas compressor unit and/or multiple unit shutdown, increased sensor pressure alarms, etc., field production technician personnel are promptly notified, and are instructed to assess the issue as soon as possible to take prompt corrective action and minimize emissions. Oxy production technicians must assess whether the issue or circumstance is due to damage and repair is needed, or whether there are other reasons for its cause.

In this case, as this is an unmanned facility, an Oxy production tech arrived from another facility rather quickly and performed a visual inspection of the malfunctioned compressor unit and attempted to restart the compressor unit. The compressor unit would not restart and therefore, the Oxy production tech

hurriedly called for an automation technician and an electric technician to come out to the facility to assist in resolving the issue. Upon arrival, all three technicians worked diligently to resolve the issue and determined that the cause was due to a faulty breaker on the heat trace, which in turn, cause the heat trace to shut off, prompting the suction transmitter to freeze and triggering an automatic shutdown of the compressor. To stop flaring at the facility, the production tech shut off the inlet which in turn cause flaring to cease. The unit was returned to normal working operations once the faulty break on the heat trace was replaced. The facility equipment and the unit itself, was insulated and heat traced in advance, as part of Oxy's winter weather preparations. All OXY operations and facility equipment were running at maximized optimization prior to the malfunction which prompted the compressor unit to shut down. The facility and all its equipment were working as designed and operated normally prior to the sudden and without warning malfunction.

3. Corrective Actions taken to eliminate the cause and reoccurrence of venting or flaring:

Oxy is limited in the corrective actions available to them to eliminate the cause and potential reoccurrence of compressor malfunctions as notwithstanding compressor engine design and operation, compressors are inherently dynamic and even the smallest alarms and/or failures, false or true, can be sudden, reasonably unforeseeable, and unexpected which can cause compression malfunctions to occur, thereby, triggering the unit's sensors to automatically shut down the unit to avoid catastrophic damage to the internal engine components. Oxy continually strives to maintain and operate its facility and its equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. The only actions that Oxy can take and handle that is within its control, is to continue with its preventative maintenance program for this facility and its compression equipment.

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District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

DEFINITIONS

Action 78057

DEFINITIONS

Operator:	OGRID:
OCCIDENTAL PERMIAN LTD	157984
P.O. Box 4294	Action Number:
Houston, TX 772104294	78057
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- this application's operator, hereinafter "this operator";
- · venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.

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QUESTIONS

Action 78057

QUESTIONS

ı	Operator:	OGRID:
ı	OCCIDENTAL PERMIAN LTD	157984
ı	P.O. Box 4294	Action Number:
ı	Houston, TX 772104294	78057
ı		Action Type:
ı		[C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Prerequisites		
Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.		
Incident Operator [157984] OCCIDENTAL PERMIAN LTD		
Incident Type	Flare	
Incident Status	Closure Not Approved	
Incident Well	Not answered.	
Incident Facility	[fJXK1521644806] North Hobbs Unit CTB	
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.		

Determination of Reporting Requirements			
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.			
Was this vent or flare caused by an emergency or malfunction	Yes		
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No		
Is this considered a submission for a vent or flare event	Yes, major venting and/or flaring of natural gas.		
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during verbase that the state of the control	enting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC. Yes		
Did this vent or flare result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No		
Was the vent or flare within an incorporated municipal boundary or withing 300 feet			

Equipment Involved		
Primary Equipment Involved	Other (Specify)	
Additional details for Equipment Involved. Please specify	Emergency Flare>Compressor Malfunction > Heat Trace > Faulty Breaker	

Please provide the mole percent for the percentage questions in this group.			
Methane (CH4) percentage	1		
Nitrogen (N2) percentage, if greater than one percent	0		
Hydrogen Sulfide (H2S) PPM, rounded up	18,000		
Carbon Dioxide (C02) percentage, if greater than one percent	92		
Oxygen (02) percentage, if greater than one percent	0		
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.			
Methane (CH4) percentage quality requirement	Not answered.		
Nitrogen (N2) percentage quality requirement	Not answered.		
Hydrogen Sufide (H2S) PPM quality requirement	Not answered.		
Carbon Dioxide (C02) percentage quality requirement	Not answered.		
Oxygen (02) percentage quality requirement	Not answered.		

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe NM 87505

QUESTIONS, Page 2 Action 78057

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	1 6, 1411 67 666
QUESTI	ONS (continued)
Operator: OCCIDENTAL PERMIAN LTD	OGRID: 157984
P.O. Box 4294 Houston, TX 772104294	Action Number: 78057
	Action Type:
QUESTIONS	[C-129] Amend Venting and/or Flaring (C-129A)
Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/22/2022
Time vent or flare was discovered or commenced	07:20 AM
Time vent or flare was terminated	12:30 PM
Cumulative hours during this event	5
Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Other Other (Specify) Natural Gas Flared Released: 559 Mcf Recovered: 0 Mcf
· ·	Lost: 559 Mcf]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.
Venting or Floring Resulting from Dougetroom Activity	
Venting or Flaring Resulting from Downstream Activity Was this vent or flare a result of downstream activity	N.
Was notification of downstream activity received by this operator	No Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.
Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event	Terra
and it was beyond this operator's control	True
Please explain reason for why this event was beyond this operator's control	The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. Notwithstanding compressor engine design and operation, compressors are inherently dynamic and even the smallest alarms and/or failures, false or true, can be sudden, reasonably unforeseeable, and unexpected which can cause compression malfunctions to occur, thereby, triggering the unit's sensors to automatically shut down the unit to avoid catastrophic damage to the internal engine components. In this case, the compressor unit's sudden and unreasonably foreseeable malfunction occurred due to a faulty breaker on the heat trace, which in turn, cause the heat trace to shut off, prompting the suction transmitter to freeze and triggering an automatic shutdown of the compressor. The facility equipment and the unit itself, was insulated and heat traced in advance, as part of Oxy's winter weather preparations. All OXY operations and facility equipment were running at maximized optimization prior to the malfunction which prompted the compressor unit to shut down. The facility and all its equipment were working as designed and operated normally prior to the sudden and without warning malfunction.
Steps taken to limit the duration and magnitude of vent or flare	It is OXY's policy to route all stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, as the part of the overall process or steps to take to limit duration and magnitude of flaring. Oxy personnel are in the field 24/7 and can physically see when we are flaring which in turn are communicated to additional Oxy field personnel. Internal OXY procedures ensure that upon gas compressor unit and/or multiple unit shutdown, increased sensor pressure alarms, etc., field production technician personnel are promptly notified, and are instructed to assess the issue as soon as possible to take prompt corrective action and minimize emissions. Oxy production technicians must assess whether the issue or circumstance is due to damage and repair is needed, or whether there are other reasons for its cause. In this case, as this is an unmanned facility, an Oxy production tech arrived from another facility rather quickly and performed a visual inspection of the malfunctioned compressor unit and attempted to restart the compressor unit. The compressor unit would not restart and therefore, the Oxy production tech hurriedly called for an automation technician and an electric technician to come out to the facility to assist in resolving the issue. Upon arrival, all three technicians worked diligently to resolve the issue and determined that the cause was due to a faulty breaker on the heat trace, which in turn, cause the heat trace to shut off, prompting the suction transmitter to freeze and triggering an automatic shutdown of the compressor. To stop flaring at the facility, the production tech shut off the inlet which in turn cause flaring to cease. The unit was returned to normal working operations once the faulty break on the heat trace was replaced. The facility equipment and the unit itself, was insulated and heat traced in advance, as part of Oxy's winter weather preparations.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Oxy is limited in the corrective actions available to them to eliminate the cause and potential reoccurrence of compressor malfunctions as notwithstanding compressor engine design and operation, compressors are inherently dynamic and even the smallest alarms and/or failures, false or true, can be sudden, reasonably unforeseeable, and unexpected which can cause compression malfunctions to occur, thereby, triggering the unit's sensors to automatically shut down the unit to avoid catastrophic damage to the internal engine components. Oxy continually strives to maintain and operate its facility and its equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. The only actions that Oxy can take and handle that is within its control, is to continue with its preventative maintenance program for this facility and its compression

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Action 78057

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ACKNOWLEDGMENTS

Operator:	OGRID:
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P.O. Box 4294	Action Number:
Houston, TX 772104294	78057
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

$\overline{\ }$	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
V	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
<	I hereby certify the statements in this amending report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
~	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
V	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 78057

CONDITIONS

Operator:	OGRID:
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P.O. Box 4294	Action Number:
Houston, TX 772104294	78057
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
srojas	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	2/3/2022