



11019G	South Hobbs Unit CTB Inlet		South Hobbs Unit CTB Inlet
Sample Point Code	Sample Point Name		Sample Point Location
Laboratory Services	2020036993	1719	D Armstrong - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Nov 24, 2020 09:58	Nov 24, 2020 09:58	Nov 24, 2020 11:59	Nov 24, 2020
Date Sampled	Date Effective	Date Received	Date Reported
60.00	Torrance	38 @ 70	
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
Oxy	NG		
Operator	Lab Source Description		

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	0.1080	0.10806	
CO2 (CO2)	85.2310	85.23111	
Methane (C1)	0.6730	0.67276	
Ethane (C2)	0.6140	0.61395	0.1640
Propane (C3)	3.9190	3.91938	1.0790
I-Butane (IC4)	1.7080	1.70793	0.5590
N-Butane (NC4)	4.2350	4.23453	1.3350
I-Pentane (IC5)	1.4540	1.45438	0.5320
N-Pentane (NC5)	0.9800	0.98005	0.3550
Hexanes Plus (C6+)	1.0780	1.07784	0.4680
TOTAL	100.0000	100.0000	4.4920

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information			
Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Nov 24, 2020

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 °F		14.73 PSI @ 60.00 °F	
Dry	Saturated	Dry	Saturated
464.3	457.3	465.4	458.4

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
1.5926	1.5805
Molecular Weight	
45.7756	

C6+ Group Properties		
Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%

Field H2S
0 PPM

PROTREND STATUS:

Passed By Validator on Nov 24, 2020

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

First sample taken @ this point, composition looks reasonable

VALIDATOR:

Torrance Galvan

VALIDATOR COMMENTS:

OK

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM**Facility:** South Hobbs Unit**Flare Date:**02/03/2022**Duration of event:** 5 hours**MCF Flared:** 1173**Start Time:** 06:30 PM**End Time:** 11:30 PM**Cause:** Compression Equipment Malfunction > Extreme Weather > Scrubber liquid Level**Method of Flared Gas Measurement:** Gas Flare Meter**Comments:** This upset event was not caused by any wells associated with the facility

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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. This gas compressor is engineered to shutdown at a certain maximum speeds, temperature and pressure capacity in order to avoid both catastrophic damage to the compressor. In this case, compressor LP 4500 unit's malfunction occurred due to extreme freezing weather conditions, at or below zero degrees, which caused the unit to automatically shut down. 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:** The steps taken to limit duration and magnitude of flaring was for an Oxy production tech to quickly respond to the compressor malfunction alarm and begin inspecting the unit, diagnose the issue, and make the necessary adjustments to restart the unit back to normal working service. It is OXY's policy to route all stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. Internal procedures ensure that upon compressor unit shutdown, OXY production techs are promptly notified, and are instructed to assess the issue as soon as possible in order to take prompt corrective action and minimize emissions. Upon arrival, an Oxy production tech must assess whether compressor shutdown is due to damage and repair is needed, or whether there are other reasons. In this case, due the extreme weather conditions, it did take some time for field personnel to arrive at this facility, as this is an unmanned facility. Upon arrival, the Oxy production techs performed a visual inspection of the malfunctioned compressor. And found that the transmitter to drain liquids from the scrubber was frozen, after heating up line and transmitter we drained the scrubber of liquid and restarted the unit .
 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, 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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 82570

DEFINITIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 82570
	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 82570

QUESTIONS

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	Action Number: 82570
	Action Type: [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	[fJXK1520829861] South 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 additional 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 venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.

Was there at least 50 MCF of natural gas vented and/or flared during this event	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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved

Primary Equipment Involved	Other (Specify)
Additional details for Equipment Involved. Please specify	Emergency Flare >Compression Equipment Malfunction > Extreme Weather >Scrubber liquid Level

Representative Compositional Analysis of Vented or Flared Natural Gas

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	0
Carbon Dioxide (CO2) percentage, if greater than one percent	85
Oxygen (O2) 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 Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 82570

QUESTIONS (continued)

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	Action Number: 82570
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/03/2022
Time vent or flare was discovered or commenced	06:30 PM
Time vent or flare was terminated	11:30 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: 1,173 Mcf Recovered: 0 Mcf Lost: 1,173 Mcf]
Other Released Details	Cause: Other (Specify) Released: 0 (Unknown Released Amount) Recovered: 0 Lost: 0]
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
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 Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	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 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. This gas compressor is engineered to shutdown at a certain maximum speeds, temperature and pressure capacity in order to avoid both catastrophic damage to the compressor. In this case, compressor LP 4500 unit's malfunction occurred due to extreme freezing weather conditions, at or below zero degrees, which caused the unit to automatically shut down. 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.
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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, 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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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

☒	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.
☒	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.
☒	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 82570

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	Action Number: 82570
	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.	2/18/2022