

11019GSouth Hobbs Unit CTB InletSouth Hobbs Unit CTB InletSample Point CodeSample Point NameSample Point Location

Laboratory Services 2020036993 1719 D Armstrong - Spot Lab File No Container Identity Source Laboratory 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 38 @ 70 Torrance Ambient Temp (°F) Flow Rate (Mcf) Analyst Press PSI @ Temp °F Source Conditions Oxy NG Lab Source Description Operator

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

Analyzor	Information
Allalyzei	IIIIOIIIIauoii

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

elative 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

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 CTB Flare Date: 03/11/2022

Duration of event: 3 hours MCF Flared: 1058

Start Time: 12:30 AM End Time: 03:30 PM

Cause: Compression Equipment Shut down > Low Lube Sensor

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. It is OXY's policy to route all stranded sales gas to a flare during an unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. The flare is regularly monitored to the ensure flame is lit and meeting opacity requirements. Internal OXY compression equipment malfunction procedures ensure that upon a compressor unit shutdown, a production tech is promptly notified and is instructed to assess the issue as soon as possible in order to take prompt corrective action and minimize emissions. Upon arrival, production techs must assess whether a compressor shutdown is due to damage and repair is needed, or whether there are other reasons.

In this case, this facility is an unmanned location and therefore, the Oxy production tech, upon receiving the compressor malfunction alarm for the South Hobbs Unit CTB, quickly drove to the facility from another distant facility location. Upon the production tech's arrival, the immediate steps taken was to quickly check the gas compressor unit and the surrounding area to determine cause of the malfunction. The Oxy production tech determined that the cause of the gas compressor malfunction was due to a low lube oil level sensor, which prompted an automatic shutdown of the unit. The Oxy production tech did not find any other issues affecting the unit, other than the lube oil level sensor was indicating it was low, which triggered a compressor malfunction alarm. Once the production tech added the necessary oil, the control panel was rest and the unit was restarted. The gas compressor unit was working as designed and operated normally prior to the sudden and without warning automatic shutdown of the compressor unit. The production tech remained on-site for a period of time to ensure that additional issues did not arise when the unit was restarted. Once the gas compressor resumed normal optimalization, did flaring cease.

Steps Taken to limit duration and magnitude of venting or flaring: It is OXY's policy to route all stranded sales gas to a flare during a sudden, unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. The flare at this facility has a 98% combustion efficiency in order to lessen emissions as much as possible. The flare is regularly monitored to the ensure flame is lit and meeting opacity requirements.

In this case, the immediate steps taken to limit the duration and magnitude of flaring was for the Oxy production tech, upon his arrival to the facility from another distant facility, was to quickly check the gas compressor unit and the surrounding area to determine cause of the malfunction. The Oxy production tech determined that the cause of the gas compressor malfunction was due to a low lube oil level sensor, which prompted an automatic shutdown of the unit. The Oxy production tech did not find any other issues affecting the unit, other than the lube oil level sensor was indicating it was low, which triggered a compressor malfunction alarm. Once the production tech added the necessary oil, the control panel was rest and the unit was restarted. The gas compressor unit was working as designed and operated normally prior to the sudden and without warning automatic shutdown of the compressor unit. The production tech remained on-site for a period of time to ensure that additional issues did not arise when the unit was restarted. Once the gas compressor resumed normal optimalization, did flaring cease.

Corrective Actions taken to eliminate the cause and reoccurrence of venting or flaring: 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. 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 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 compression equipment preventative maintenance program for this facility's 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 92018

DEFINITIONS

Operator:	OGRID:
OCCIDENTAL PERMIAN LTD	157984
P.O. Box 4294	Action Number:
Houston, TX 772104294	92018
	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 92018

QUESTIONS

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•	

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 an	nd 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 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 withing 300 feet		

Equipment Involved		
Primary Equipment Involved	Other (Specify)	
Additional details for Equipment Involved. Please specify	Compression Equipment Shut down > Low Lube Sensor	

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 (C02) percentage, if greater than one percent	85	
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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QUESTIONS, Page 2

Action 92018

	QUESTIONS (continued)
Operator:	OGRID:
OCCIDENTAL PERMIAN LTD	157984
P.O. Box 4294	Action Number:
Houston, TX 772104294	92018
	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	03/11/2022
Time vent or flare was discovered or commenced	12:30 PM
Time vent or flare was terminated	03:30 PM
Cumulative hours during this event	3
Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
	Out of Other (One of A) Natural One Flored Delegand A OFF Med December 4 OM 6

Measured of Estimated volume of Vented of Flared Natural Gas		
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Cause: Other Other (Specify) Natural Gas Flared Released: 1,058 Mcf Recovered: 0 Mcf Lost: 1,058 Mcf]	
Other Released Details	Not answered.	
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. It is OXY's policy to route all stranded sales gas to a flare during an unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. The flare is regularly monitored to the ensure flame is lit and meeting opacity requirements. Internal OXY compression equipment malfunction procedures ensure that upon a compressor unit shutdown, a production tech is promptly notified and is instructed to assess the issue as soon as possible in order to take prompt corrective action and minimize emissions. Upon arrival, production techs must assess whether a compressor shutdown is due to damage and repair is needed, or whether there are other reasons. In this case, this facility is an unmanned location and therefore, the Oxy production tech, upon receiving the compressor malfunction alarm for the South Hobbs Unit CTB, quickly drove to the facility from another distant facility location. Upon the production tech's arrival, the immediate steps taken was to quickly check the gas compressor unit and the surrounding area to determine cause of the malfunction. The Oxy production tech determined that the cause of the gas compressor malfunction was due to a low lube oil level sensor, which prompted an automatic shutdown of the unit. The Oxy production tech did not find any other issues affecting the unit, other than the lube oil level sensor was indicating it was low, which triggered a compressor malfunction alarm. Once the production tech added the necessary oil, the control panel was rest and the unit was restarted.	
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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

V	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.
V	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.
V	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

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CONDITIONS

Created	Condition	Condition
Ву		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.	3/22/2022