	R ISERMOES Natural Gas Analysis	575.3	www.permia 97.3713 2609 W Ma	anls.com rland Hobbs NM 88240		C6+ Gas /	Analysis Repo
11054G			NHU Satellite 1	9-C NHU Satellite 19-C		llite 19-C	
Sample Point Code			Sample Point Na			Sample Poir	
Laboratory	Services	20200370)57	1970	1	D Armstrong - S	Spot
Source Labo		Lab File N	lo	Container Identity		Sampler	
USA		USA		USA	New Mexico		
District		Area Name		Field Name	Facility Name		
Nov 24, 2020	13:58	Nov 24,	2020 13:58	Nov 2	5, 2020 09:37	Nov	25, 2020
Date Sample	ed	Date	Effective	D	ate Received	Date	e Reported
70.00		Torrand	e	318 @ 82			
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst		Press PSI @ Temp °F Source Conditions			
-							
Oxy						Separator	ion
Operator					L	ab Source Descript	1011
Component	Normalized	Un-Normalized	GPM		oss Heating Value	•	
	Mol %	Mol %		14.696 PSI Dry	© 60.00 °F Saturated	14.73 PSI Dry	@ 60.00 °F Saturated
H2S (H2S)	0.8800	0.88		211.7	209.000	212.2	209.5
Nitrogen (N2)	1.8580	1.87438			Calculated Total Sa	ample Propertie	25
CO2 (CO2)	84.2500	85.00028			PA2145-16 *Calculated at Contract Conditions nsity Real Relative Density Ideal		
Methane (C1)	8.4710	8.54569			356		1283
Ethane (C2)	1.5400	1.55329	0.4120	Molecula	r Weight 3656		
Propane (C3)	1.7350	1.75009	0.4780				
I-Butane (IC4)	0.2240	0.22587	0.0730		C6+ Group Assumed Co	-	
N-Butane (NC4)	0.4530	0.45679	0.1430	C6 - 60.000		•	8 - 10.000%
I-Pentane (IC5)	0.1560	0.15725	0.0570		Field H		
N-Pentane (NC5)	0.1400	0.14092	0.0510	7	8800	PPM	
Hexanes Plus (C6+)	0.2930	0.29545	0.1270	PROTREND STATUS		DATA SO	
TOTAL	100.0000	100.8800	1.3410	Passed By Validat			
ood(s): Gas C6+ - GPA 2261, Exter	nded Gas - GPA 2286, Calcula	ations - GPA 2172		PASSED BY VALIDA First sample taker		mposition looks	reasonable
	Analyzer Informa	ition		VALIDATOR:		· · · ·	~~
vice Type: Gas Chrom		e Make: Shimadzu	ı	Torrance Galvan		breame	Tahun

OK

•

EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: North Hobbs Unit CTB

Start Date: 06/18/2021 @ 08:35 AM

End Date: 06/18/2021 @ 09:30 AM

Cause: Compressor malfunction on low lube oil level

Duration of event: 55 min.

Method of Flared Gas Measurement: Flare Meter

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

This 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 or prevented by good design, operation, and preventative maintenance practices. 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. 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 engages in respectable and good facility operation practices while also maintaining its continuous equipment preventative maintenance program. Internal OXY procedures ensure that upon a gas compressor unit shutdown, production techs are promptly notified via an equipment alarm notification app and are trained to respond immediately in order to assess the issue as soon as possible, so that prompt corrective actions are taken to minimize emissions. Oxy production techs must assess whether a gas compressor unit shutdown is due to damage and repair is needed, or whether there are other reasons for its cause. In this case, this facility is an unmanned location and therefore, the Oxy production tech, upon receiving the malfunction alarm for the North 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 check the lube oil level and inspect the unit for additional potential issues. The Oxy production tech determined that the cause of the Toromont compressor was due to a low lube oil level sensor. The Oxy production tech did not find any other issues affecting the unit, and as the lube oil level was normal, the production tech reset the control panel and restarted the unit. The Toromont compressor unit was working as designed and operated normally prior to the sudden and without warning automatic shutdown of the compressor unit.

2. 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 duration and magnitude of flaring was for the Oxy production tech, upon his arrival to the facility from another distant facility, was to check the lube oil level and inspect the compressor unit for additional potential issues. The Oxy production tech determined that the cause of the Toromont compressor was due to a low lube oil level sensor. The Oxy production tech did not find any other issues affecting the unit, and as the lube oil level was normal, the production tech reset the control panel and restarted the unit. The Toromont compressor unit was working as designed and operated normally prior to the sudden and without warning automatic shutdown of the compressor unit. Flaring ceased as soon as the compressor unit was up to normal working condition and speed.

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

This 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 or prevented by good design, operation, and preventative maintenance practices. 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.

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 Toromont compressor unit was working as designed and operated normally prior to the sudden and without warning automatic shutdown of the compressor unit. Oxy has a strong and positive compression equipment preventative maintenance program in place.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

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

District IV 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

QUES	IONS	
Operator:	OGRID:	
OCCIDENTAL PERMIAN LTD	1579	084
P.O. Box 4294	Action Number:	
Houston, TX 772104294	3581	8
	Action Type:	
	[C-12	29] Venting and/or Flaring (C-129)
QUESTIONS		
Determination of Reporting Requirements		
Answer all questions that apply. The Reason(s) statements are calculated based on your an	wers and may provide addional guidar	nce.
Was or is this venting or flaring caused by an emergency or malfunction	Yes	
Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No	
Is this considered a submission for a notification of a major venting or flaring	Yes, minor venting or flaring of natural gas.	
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during ve	ting or flaring that is or may be a major or	minor release under
19.15.29.7 WMAC. Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes	
Did this venting or flaring result in the release of ANY liquids (not fully and/or completely flared) that	No	
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		
Unregistered Facility Site		
Please provide the facility details, if the venting or flaring occurred or is occuring at a facility t	at does not have an Facility ID (f#) yet.	

Please provide the facility details, if the venting or flaring occurred or is occuring at a facility	that does not have an Facility ID (f#) yet.
Facility or Site Name	Not answered.
Facility Type	Not answered.

Equipment Involved

Primary Equipment Involved	Other (Specify)
Additional details for Equipment Involved. Please specify	Emergency Flare, Compressor malfunction, lube oil level 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	8	
Nitrogen (N2) percentage, if greater than one percent	2	
Hydrogen Sulfide (H2S) PPM, rounded up	8,800	
Carbon Dioxide (C02) percentage, if greater than one percent	84	
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.	

Date(s) and Time(s)

Date venting or flaring was discovered or commenced	06/18/2021
Time venting or flaring was discovered or commenced	08:35 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/18/2021
Time venting or flaring was terminated	09:30 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	0
Longest duration of cumulative hours within any 24-hour period during this event	0

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 Spilled: 134 Mcf Recovered: 0 Mcf Lost: 134
	Mcf]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Emergency Flare, Compressor malfunction, lube oil level sensor
Is this a gas only submission (i.e. only Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity

Steps and Actions to Prevent Waste

QUESTIONS

Action 35818

Received by OCD: 7/9/2021 1:31:28 PM

For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	See Justification Form > This 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 or prevented by good design, operation, and preventative maintenance practices. 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. Notwithstanding compressor engine design and operation, compressors are inherently dynamic and even the smallest alarms, false or true, can be sudden, reasonably unforessors to automatically shut down the unit to avoid catastrophic damage to the internal engine components.
Steps taken to limit the duration and magnitude of venting or flaring	See Justification Form > In this case, the immediate steps taken to limit duration and magnitude of flaring was for the Oxy production tech, upon his arrival to the facility from another distant facility, was to check the lube oil level and inspect the compressor unit for additional potential issues. The Oxy production tech determined that the cause of the Toromont compressor was due to a low lube oil level sensor. The Oxy production tech did not find any other issues affecting the unit, and as the lube oil level was normal, the production tech reset the control panel and restarted the unit. The Toromont compressor unit was working as designed and operated normally prior to the sudden and without warning automatic shutdown of the compressor unit. Flaring ceased as soon as the compressor unit was up to normal working condition and speed.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	See Justification Form > 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 normally prior to the sudden and without warning automatic shutdown of the compressor unit. Oxy has a strong and positive compression equipment preventative maintenance program in place.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

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

District IV 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

CONDITIONS

Operator:	OGRID:
OCCIDENTAL PERMIAN LTD	157984
P.O. Box 4294	Action Number:
Houston, TX 772104294	35818
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	7/9/2021

CONDITIONS

Page 6 of 5

Action 35818