

Pantechs Laboratories, Inc. - Order: 4690-7807 - 12/17/2024 - South Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	Pressure	280 psig
Location	South Hobbs RCF	Sample Temp	58 F
Site	DEX PRO	Atm Temp	60 F
Site Type	Station	Collection Date	12/17/2024
Sample Point	Inlet	Collection Time	11:22 AM
Spot/Comp	Spot	Collection By	Cody Carson
Meter ID		Pressure Base	14.650 psi
Regulatory ID		Temperature Base	60 F
Fluid	Gas	Container(s)	PL1807

## GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	2.506	1.651	0.275
CARBON DIOXIDE	CO2	86.946	89.988	14.826
HYDROGEN SULFIDE	H2S	0.662	0.531	0.089
METHANE	C1	4.997	1.885	0.847
ETHANE	C2	0.912	0.645	0.244
PROPANE	C3	1.741	1.805	0.480
I-BUTANE	iC4	0.438	0.599	0.143
N-BUTANE	nC4	0.960	1.312	0.303
I-PENTANE	iC5	0.303	0.514	0.111
N-PENTANE	nC5	0.220	0.373	0.080
HEXANES PLUS	C6+	0.315	0.697	0.134
TOTALS:		100.000	100.000	17.532

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.495	1.251	0.771	0.325	0.487	0.259

## GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	197.90	181.54	1.476	0.994	42.523	162.87
SATURATED	195.41	178.37	1.462	0.994	41.780	

## Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.6615	420.06	6,679.0	315.0

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

**UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM****Facility ID:** fjXK1530631838**Operator:** Occidental Permian LTD.**Facility:** South Hobbs RCF**Flare Date:** 11/24/2025**Duration of Event:** 06 Hours 00Minutes**MCF Flared:****Start Time:** 06:07AM**End Time:** 12:07 PM**Cause:** Emergency Flare > Lost Pressure going to Plant due to Field Issues>compressor shut down low suction PSI**Method of Flared Gas Measurement:** Gas 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 by good design, operation, and preventative maintenance practices. Oxy engages in respectable and effective facility operation practices while maintaining a continuous preventative maintenance program for its equipment. The plant experienced low gas inlet pressure, so they contacted the field team, who reported high tank levels and had to shut in production. This triggered a chain reaction at the plant, resulting in the loss of all three units due to low inlet PSI. The incident was unexpected and occurred without advance notice or warning from the field operation. Although flaring is not OXY's preferred method for handling excess gas, it is necessary to ensure the safety of our operations, equipment, and field personnel. OXY made every effort to control and minimize emissions as much as possible during this event and ensured all its operational equipment was slowly brought back to normal operations and running efficiently once the field was able to return back to normal operation and gas returned to sale we were able to restart all three units one at a time. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.

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

OXY routes stranded gas to a flare during emergencies or malfunctions that cannot be predicted or avoided, aiming to minimize emissions. The facility's flare has a 98% combustion efficiency. This incident was unexpected and beyond OXY's control. While not OXY's preferred method, flaring is necessary for safety. Field personnel minimized emissions by adjusting well operations and safely returning equipment to normal once possible. All feasible measures were taken to manage and reduce emissions during this event.

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

The emissions event resulted from an unexpected equipment or process failure beyond the owner/operator's control that could not have been prevented with proper design or maintenance. OXY's policy is to flare all stranded sales gas during such emergencies to minimize emissions.

## C-129 South Hobbs RCF Flaring event

	Information		Methodology
A.	Flare Volume:	805MCF	Metered Gas Volume Field Personnel Reported**
B.	CO2 Percentage:	86.95%	Gas Analysis – Dec-24*
C.	Hydrocarbon Percentage:	13.05%	100% - 86.95%
D.	Hydrocarbon Volume:	105MCF	$(13.05\text{mol\%})/100 * 805\text{MCF}$
E.	CO2 Volume:	700MCF	$(86.95\text{mol\%})/100 * 805\text{MCF}$

*Listed below are the volume calculations that were determined for this flare event:*

2

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\* Gas analysis sample is current and within one year from date of event. Please see mole % column on the gas fractional analysis table on the attached Gas Analysis to the C141 report

\*\*The metered volume is determined from a total flow meter in front of the flare which is then reported by operations.

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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 530994

DEFINITIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 530994
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 530994

**QUESTIONS**

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	Action Number: 530994
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b> <i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Unavailable.
Incident Facility	[fJXK1530631838] SOUTH HOBBS UNIT RCF

<b>Determination of Reporting Requirements</b> <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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.
<i>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.</i>	
Was there <b>at least 50 MCF</b> of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of <b>ANY</b> 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 from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Gas Compressor Station
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	5
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	87
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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 530994

**QUESTIONS (continued)**

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**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/24/2025
Time vent or flare was discovered or commenced	06:07 AM
Time vent or flare was terminated	12:07 PM
Cumulative hours during this event	6

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure   Gas Compressor Station   Natural Gas Flared   Released: 105 Mcf   Recovered: 0 Mcf   Lost: 105 Mcf.
Other Released Details	Cause: Equipment Failure   Gas Compressor Station   Carbon Dioxide   Released: 700 Mcf   Recovered: 0 Mcf   Lost: 700 Mcf.
Additional details for Measured or Estimated Volume(s). Please specify	This is a CO2 gas release only. There was no liquid or fluid impact to the area and/or physical remedial actions were necessary or required for the soil, groundwater, surface water, or environment, in or around the flare area as nothing occurred on the ground as there was no involvement, containment, or spillage of liquids or fluids during this event.
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>Yes, according to supplied volumes this appears to be a "gas only" report.</b>

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	<i>Not answered.</i>
Downstream OGRID that should have notified this operator	<i>Not answered.</i>
Date notified of downstream activity requiring this vent or flare	<i>Not answered.</i>
Time notified of downstream activity requiring this vent or flare	<i>Not answered.</i>

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	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 by good design, operation, and preventative maintenance practices. Oxy engages in respectable and effective facility operation practices while maintaining a continuous preventative maintenance program for its equipment. The plant experienced low gas inlet pressure, so they contacted the field team, who reported high tank levels and had to shut in production. This triggered a chain reaction at the plant, resulting in the loss of all three units due to low inlet PSI. The incident was unexpected and occurred without advance notice or warning from the field operation. Although flaring is not OXY's preferred method for handling excess gas, it is necessary to ensure the safety of our operations, equipment, and field personnel. OXY made every effort to control and minimize emissions as much as possible during this event and ensured all its operational equipment was slowly brought back to normal operations and running efficiently once the field was able to return back to normal operation and gas returned to sale we were able to restart all three units one at a time. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.
	OXY routes stranded gas to a flare during emergencies or malfunctions that cannot be predicted or avoided, aiming to minimize emissions. The facility's flare has a 98%

Steps taken to limit the duration and magnitude of vent or flare	combustion efficiency. This incident was unexpected and beyond OXY's control. While not OXY's preferred method, flaring is necessary for safety. Field personnel minimized emissions by adjusting well operations and safely returning equipment to normal once possible. All feasible measures were taken to manage and reduce emissions during this event.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The emissions event resulted from an unexpected equipment or process failure beyond the owner/operator's control that could not have been prevented with proper design or maintenance. OXY's policy is to flare all stranded sales gas during such emergencies to minimize emissions.

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ACKNOWLEDGMENTS

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**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this 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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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 By	Condition	Condition Date
srojas	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	12/2/2025