



# PANTECHS LABORATORIES, INC.

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## Analytical Report

3/24/2022

<b>Customer:</b>	Occidental Permian Ltd.	<b>Order:</b>	337-3026
<b>Location:</b>	South Hobbs RCF	<b>Received:</b>	3/21/2022
<b>Description:</b>	Monthly Collection	<b>Primary Contact:</b>	Richard Sanders

### **REPORT DISTRIBUTION:**

Brian Carlisle , Chauncia Farayola , Chip Mitchell , Dillon Hart , Erica Zuniga , Femi Serrano , Jason Cary , Jason Sisson , Justin Saxon , Kenley Powell , Kevin Mulkern , Mario Guerrero , Mellitanya Stephenson , Richard Sanders , Shelby Schoepf

All data reported in this Analytical Report is in compliance with the test method(s) performed as of the date noted above. The validity and integrity of this report will remain intact as long as it is accompanied by this page and reproduced in full. Any datafile (e.g. txt, csv, etc.) produced which is associated with the results in this report shall be considered for convenience only and does not supersede this report as the official test results. We reserve the right to return to you any unused samples received if we consider so necessary (e.g. samples identified as hazardous waste).

We appreciate you choosing Pantechs Laboratories. If you have any questions concerning this report, please feel free to contact us at any time.

**Pantechs Laboratories, Inc.****Order: 337-3026 Order Date: 3/21/2022****Order Description: South Hobbs RCF, Monthly Collection****Sample List**

Fluid	Operator	Location	Site	Sample Point	Date	Time
CO2	Occidental Permian Ltd.	Central Measurement Group	SHU7200	SHRCF Plant CO2 Discharge	3/21/2022	11:54 AM
Gas	Occidental Permian Ltd.	Central Measurement Group	FE1022	SHU Battery 31C Meter Run	3/21/2022	12:10 PM
Gas	Occidental Permian Ltd.	Central Measurement Group	FE7100	North Hobbs to South Hobbs	3/21/2022	11:27 AM
Gas	Occidental Permian Ltd.	Central Measurement Group	SHU1013	SHRCF Plant Inlet	3/21/2022	11:46 AM
Gas	Occidental Permian Ltd.	South Hobbs RCF	DEX PRO	Inlet	3/21/2022	11:39 AM
Gas	Occidental Permian Ltd.	South Hobbs RCF	DEX PRO	Outlet	3/21/2022	11:38 AM
Liquid	Occidental Permian Ltd.	South Hobbs RCF	DEX PRO	Gasoline	3/21/2022	11:32 AM

**No Sample List**

Operator	Location	Site	Sample Point	Comment
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**Pantechs Laboratories, Inc. - Order: 337-3026 - Order Date: 3/21/2022**  
**Order Description: South Hobbs RCF, Monthly Collection**

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	Pressure	1614 psig
Location	Central Measurement Group	Sample Temp	N/A
Site	SHU7200	Atm Temp	67 F
Site Type	Meter	Collection Date	03/21/2022
Sample Point	SHRCF Plant CO2 Discharge	Collection Time	11:54 AM
Spot/Comp	Spot	Collection By	Cody Carson
Meter ID	SHU7200	Pressure Base	14.650 psi
Purchaser		Temperature Base	60 F
Fluid	CO2	Container(s)	YZ1750

### GPA 2177 CO2 Fractional Analysis

COMPOUND	FORMULA	MOL%	VOL%	WT%
NITROGEN	N2	2.687	1.715	1.800
CARBON DIOXIDE	CO2	87.219	86.556	91.782
HYDROGEN SULFIDE	H2S	1.225	0.961	0.998
METHANE	C1	5.964	5.886	2.288
ETHANE	C2	0.811	1.263	0.583
PROPANE	C3	1.242	1.993	1.310
I-BUTANE	iC4	0.241	0.459	0.335
N-BUTANE	nC4	0.466	0.855	0.648
I-PENTANE	iC5	0.080	0.171	0.138
N-PENTANE	nC5	0.047	0.099	0.081
HEXANES PLUS	C6+	0.018	0.043	0.037
<b>TOTALS:</b>		<b>100.000</b>	<b>100.000</b>	<b>100.000</b>

Value of "0.000" in fractional interpreted as below detectable limit.

If Onsite H2S testing is performed, its resulting value is used in fractional table

### Liquid Phase Properties

SCF/Gal (Ideal)	SCF/Gal (Real)	Mol Weight	Relative Density (60/60)	Vapor Pressure 100F, psia
58.543	58.222	41.822	0.771	1,492.1

### Vapor Phase Properties

ITEM	BTU/CF	Specific Gr.	Z Factor
DRY	142.95	1.451	0.995
WATER SATURATED	141.40	1.438	0.994

### Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	1.2254	778.16	12,372.7

**Order Description: South Hobbs RCF, Monthly Collection**

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	Pressure	323 psig
Location	Central Measurement Group	Sample Temp	N/A
Site	FE1022	Atm Temp	63 F
Site Type	Meter	Collection Date	03/21/2022
Sample Point	SHU Battery 31C Meter Run	Collection Time	12:10 PM
Spot/Comp	Spot	Collection By	Cody Carson
Meter ID	FE1022	Pressure Base	14.650 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PL2471

**GPA 2261 Gas Fractional Analysis**

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.956	1.281	0.215
CARBON DIOXIDE	CO2	91.003	93.596	15.515
HYDROGEN SULFIDE	H2S	0.442	0.352	0.060
METHANE	C1	3.870	1.451	0.656
ETHANE	C2	0.600	0.422	0.161
PROPANE	C3	0.919	0.947	0.253
I-BUTANE	iC4	0.207	0.281	0.068
N-BUTANE	nC4	0.464	0.630	0.146
I-PENTANE	iC5	0.166	0.280	0.061
N-PENTANE	nC5	0.137	0.231	0.050
HEXANES PLUS	C6+	0.236	0.529	0.101
<b>TOTALS:</b>		<b>100.000</b>	<b>100.000</b>	<b>17.286</b>

Value of "0.000" in fractional interpreted as below detectable limit.  
 If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	0.840	0.679	0.426	0.212	0.324	0.194

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	122.31	1.485	0.994	42.790	100.36
WATER SATURATED	121.11	1.471	0.994	42.043	

**Onsite Testing by Stain Tube**

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	0.4422	280.82	4,465.0

**Order Description: South Hobbs RCF, Monthly Collection**

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	Pressure	318 psig
Location	Central Measurement Group	Sample Temp	N/A
Site	FE7100	Atm Temp	67 F
Site Type	Meter	Collection Date	03/21/2022
Sample Point	North Hobbs to South Hobbs	Collection Time	11:27 AM
Spot/Comp	Spot	Collection By	Cody Carson
Meter ID	FE7100	Pressure Base	14.650 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PL2236

**GPA 2261 Gas Fractional Analysis**

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	2.160	1.415	0.237
CARBON DIOXIDE	CO2	90.717	93.337	15.466
HYDROGEN SULFIDE	H2S	0.468	0.373	0.063
METHANE	C1	3.872	1.452	0.656
ETHANE	C2	0.596	0.419	0.159
PROPANE	C3	0.922	0.951	0.254
I-BUTANE	iC4	0.213	0.289	0.070
N-BUTANE	nC4	0.476	0.647	0.150
I-PENTANE	iC5	0.173	0.292	0.063
N-PENTANE	nC5	0.141	0.238	0.051
HEXANES PLUS	C6+	0.262	0.587	0.112
<b>TOTALS:</b>		<b>100.000</b>	<b>100.000</b>	<b>17.281</b>

Value of "0.000" in fractional interpreted as below detectable limit.  
 If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	0.859	0.700	0.446	0.226	0.348	0.212

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	124.90	1.485	0.994	42.774	102.50
WATER SATURATED	123.65	1.470	0.994	42.027	

**Onsite Testing by Stain Tube**

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	0.4679	297.11	4,724.0

**Order Description: South Hobbs RCF, Monthly Collection**

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	Pressure	293 psig
Location	Central Measurement Group	Sample Temp	N/A
Site	SHU1013	Atm Temp	67 F
Site Type	Meter	Collection Date	03/21/2022
Sample Point	SHRCF Plant Inlet	Collection Time	11:46 AM
Spot/Comp	Spot	Collection By	Cody Carson
Meter ID	SHU1013	Pressure Base	14.650 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PL2055

**GPA 2261 Gas Fractional Analysis**

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.720	1.121	0.189
CARBON DIOXIDE	CO2	89.482	91.640	15.260
HYDROGEN SULFIDE	H2S	0.501	0.397	0.068
METHANE	C1	3.936	1.469	0.667
ETHANE	C2	0.686	0.480	0.184
PROPANE	C3	1.442	1.480	0.398
I-BUTANE	iC4	0.446	0.603	0.146
N-BUTANE	nC4	1.005	1.359	0.317
I-PENTANE	iC5	0.313	0.525	0.115
N-PENTANE	nC5	0.218	0.366	0.079
HEXANES PLUS	C6+	0.251	0.560	0.108
<b>TOTALS:</b>		<b>100.000</b>	<b>100.000</b>	<b>17.531</b>

Value of "0.000" in fractional interpreted as below detectable limit.  
 If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.347	1.163	0.765	0.302	0.446	0.220

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	173.55	1.492	0.994	42.974	142.07
WATER SATURATED	171.47	1.478	0.994	42.223	

**Onsite Testing by Stain Tube**

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	0.5013	318.34	5,061.6

**Order Description: South Hobbs RCF, Monthly Collection**

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	Pressure	277 psig
Location	South Hobbs RCF	Sample Temp	N/A
Site	DEX PRO	Atm Temp	67 F
Site Type	Station	Collection Date	03/21/2022
Sample Point	Inlet	Collection Time	11:39 AM
Spot/Comp	Spot	Collection By	Cody Carson
Meter ID		Pressure Base	14.650 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PL1860

**GPA 2261 Gas Fractional Analysis**

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.761	1.149	0.193
CARBON DIOXIDE	CO2	89.430	91.639	15.251
HYDROGEN SULFIDE	H2S	0.557	0.442	0.075
METHANE	C1	3.930	1.468	0.666
ETHANE	C2	0.693	0.485	0.185
PROPANE	C3	1.432	1.470	0.395
I-BUTANE	iC4	0.448	0.606	0.147
N-BUTANE	nC4	0.997	1.349	0.315
I-PENTANE	iC5	0.306	0.514	0.112
N-PENTANE	nC5	0.212	0.356	0.077
HEXANES PLUS	C6+	0.234	0.522	0.100
<b>TOTALS:</b>		<b>100.000</b>	<b>100.000</b>	<b>17.516</b>

Value of "0.000" in fractional interpreted as below detectable limit.  
 If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.331	1.146	0.751	0.289	0.426	0.206

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	172.11	1.491	0.994	42.950	140.93
WATER SATURATED	170.06	1.477	0.994	42.199	

**Onsite Testing by Stain Tube**

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	0.5570	353.71	5,624.0

**Order Description: South Hobbs RCF, Monthly Collection**

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	Pressure	264 psig
Location	South Hobbs RCF	Sample Temp	N/A
Site	DEX PRO	Atm Temp	67 F
Site Type	Station	Collection Date	03/21/2022
Sample Point	Outlet	Collection Time	11:38 AM
Spot/Comp	Spot	Collection By	Cody Carson
Meter ID		Pressure Base	14.650 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PL3026

**GPA 2261 Gas Fractional Analysis**

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.904	1.249	0.209
CARBON DIOXIDE	CO2	90.130	92.915	15.367
HYDROGEN SULFIDE	H2S	0.557	0.445	0.075
METHANE	C1	4.009	1.507	0.680
ETHANE	C2	0.689	0.485	0.184
PROPANE	C3	1.317	1.360	0.363
I-BUTANE	iC4	0.359	0.489	0.117
N-BUTANE	nC4	0.723	0.984	0.228
I-PENTANE	iC5	0.152	0.257	0.056
N-PENTANE	nC5	0.091	0.154	0.033
HEXANES PLUS	C6+	0.069	0.155	0.030
<b>TOTALS:</b>		<b>100.000</b>	<b>100.000</b>	<b>17.342</b>

Value of "0.000" in fractional interpreted as below detectable limit.  
 If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.011	0.827	0.464	0.119	0.170	0.066

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	138.33	1.482	0.994	42.691	113.63
WATER SATURATED	136.86	1.468	0.994	41.945	

**Onsite Testing by Stain Tube**

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	0.5570	353.71	5,624.0



Pantechs Laboratories, Inc. Order: 337-3026 - Order Date: 3/21/2022  
**Order Description: South Hobbs RCF, Monthly Collection**

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	Pressure	255 psig
Location	South Hobbs RCF	Sample Temp	N/A
Site	DEX PRO	Atm Temp	67 F
Site Type	Station	Collection Date	03/21/2022
Sample Point	Gasoline	Collection Time	11:32 AM
Spot/Comp	Spot	Collection By	Cody Carson
Meter ID		Pressure Base	14.650 psi
Purchaser		Temperature Base	60 F
Fluid	Liquid	Container(s)	PL1086

**GPA 2177 Liquid Fractional Analysis**

COMPOUND	FORMULA	MOL%	VOL%	WT%
NITROGEN	N2	0.008	0.003	0.004
CARBON DIOXIDE	CO2	22.969	12.651	16.069
HYDROGEN SULFIDE	H2S	0.237	0.103	0.128
METHANE	C1	0.131	0.072	0.033
ETHANE	C2	0.749	0.647	0.358
PROPANE	C3	8.804	7.840	6.171
I-BUTANE	iC4	6.468	6.838	5.976
N-BUTANE	nC4	19.332	19.697	17.863
I-PENTANE	iC5	12.123	14.341	13.904
N-PENTANE	nC5	9.834	11.510	11.279
HEXANES PLUS	C6+	19.345	26.298	28.215
<b>TOTALS:</b>		<b>100.000</b>	<b>100.000</b>	<b>100.000</b>

Value of "0.000" in fractional interpreted as below detectable limit.

**Calculated Properties**

SCF/Gal (Ideal)	SCF/Gal (Real)	Mol Weight	Relative Density (60/60)	Vapor Pressure 100F, psia	Reid VP Equivalent, psi
32.496	31.324	62.908	0.644	324.7	310.6

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**EVENT SPECIFIC JUSTIFICATIONS FORM****Facility:** South Hobbs Plant**Start Date:** 08/17/2022 @ 09:36 PM**End Date:** 08/17/2022 @ 09:39 PM**Cause:** The South Plant flared when a cylinder vibration sensor shut down "C" Train Compressor Unit**Duration of event:** 0:03 hours

Flared MCF: 53

**Method of Flared Gas Measurement:** Flare Meter

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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. 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 ensure flame is lit and meeting opacity requirements.

This event was a sudden and unforeseeable compressor malfunction of "C" Train compressor unit. Oxy operators were alerted to a malfunction of the compressor unit when an alarm started going off indicating a high cylinder vibration rising and a malfunction of the unit. An Oxy operator quickly arrived at the facility and began to immediately inspect the unit and reading the vibration alarms. Oxy operator determined that the compressor unit would need to be shut down so that he could perform a thorough inspection of the unit to determine exact cause involving the vibration malfunction alarm. OXY operators assisted with shutting down the unit, and this shut down of the malfunctioning compressor unit triggered a flaring event. After thoroughly inspecting the compressor unit, the Oxy operator brought the unit back to normal working service. OXY personnel were in place and available at the facility location when compressor unit was returned to working service.

Notwithstanding proper gas compressor design and operation, various forms of mechanical or technical issues can be sudden, reasonably unforeseeable and unexpected which can cause compressor unit malfunctions to occur without warning or advance notice. OXY made every effort to control and minimize emissions as much as possible during this event.

**2. Steps Taken to limit duration and magnitude 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. 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 ensure the flame is lit and meeting opacity requirements.

In this case, the steps taken to limit duration and magnitude of flaring was for Oxy operators to quickly respond to the compression equipment malfunction alarms by quickly contacting the operator that the compressor unit was rising, and a malfunction alarm was occurring. An Oxy operator quickly arrived at the facility and began to immediately inspect the unit and reading vibration alarms. Oxy operator determined that the compressor unit would need to be shut down so that he could perform a thorough inspection of the unit to determine exact cause involving the alarms. OXY operators assisted with shutting down the unit, and this shut down of the malfunctioning compressor unit triggered a flaring event. In addition to shutting Train "C" compressor unit down, OXY routed all the stranded sales gas to a flare with a 98% combustion efficiency in order to lessen emissions as much as possible. The flare is regularly monitored to ensure the flame is lit and meeting opacity requirements. After thoroughly inspecting the malfunctioning compressor unit for any other possible reasons the compressor unit might be getting vibration alarms. After inspecting and troubleshooting the compressor unit, the operator brought the unit back to normal working service.

Notwithstanding proper gas compressor design and operation, various forms of mechanical or technical issues can be sudden, reasonably unforeseeable and unexpected which can cause compressor unit malfunctions to occur without warning or advance notice. OXY made every effort to control and minimize emissions as much as possible during this event.

**3. 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. 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 ensure the flame is lit and meeting opacity requirements.

Oxy cannot take any corrective actions to eliminate the cause and potential reoccurrence of compressor malfunctions as notwithstanding proper gas compressor design and operation, various forms of mechanical or technical issues can be sudden, reasonably unforeseeable and unexpected which can cause compressor unit malfunctions to occur without warning or advance notice. 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. Train "C" was working as designed and operated normally prior to the sudden and without warning malfunction of the compressor unit. Oxy has a strong and positive compression equipment preventative maintenance program in place. This incident was completely out of OXY's control to prevent from happening as it was determined the malfunction occurred due to a faulty vibration switch. OXY made every effort to control and minimize emissions as much as possible during this event. The only actions that Oxy can take and handle that is within its control, is to keep continue with its compression equipment preventative maintenance program for this unit.

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
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**District II**  
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**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**

DEFINITIONS

Action 136787

**DEFINITIONS**

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 136787
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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.

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
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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

Action 136787

**QUESTIONS**

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 136787
	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	Not answered.
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, minor 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 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

<b>Equipment Involved</b>	
Primary Equipment Involved	Other (Specify)
Additional details for Equipment Involved. Please specify	Emergency Flare>Cylinder Vibration>Shutdown Alarm

<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	4
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	5,010
Carbon Dioxide (CO2) percentage, if greater than one percent	89
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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**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
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 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**

**QUESTIONS (continued)**

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 136787
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/17/2022
Time vent or flare was discovered or commenced	09:36 PM
Time vent or flare was terminated	09:39 PM
Cumulative hours 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   Released: 53 Mcf   Recovered: 0 Mcf   Lost: 53 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.
Steps taken to limit the duration and magnitude of vent or flare	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.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	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.



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ACKNOWLEDGMENTS

Action 136787

**ACKNOWLEDGMENTS**

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 136787
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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

Action 136787

**CONDITIONS**

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984 Action Number: 136787 Action Type: [C-129] Venting and/or Flaring (C-129)
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**CONDITIONS**

Created By	Condition	Condition Date
ralvarado	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.	8/23/2022