PANTECHS LABORATORIES, INC.

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Analytical Report

3/24/2022

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

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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

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
TOTALS:		**100.000**	**100.000**	**100.000**

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

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**	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
TOTALS:		**100.000**	**100.000**	**17.286**

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

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**	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
TOTALS:		**100.000**	**100.000**	**17.281**

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

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**	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
TOTALS:		**100.000**	**100.000**	**17.531**

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

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**	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
TOTALS:		**100.000**	**100.000**	**17.516**

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

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**	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
TOTALS:		**100.000**	**100.000**	**17.342**

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
TOTALS:		**100.000**	**100.000**	**100.000**

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 Unit

Start Date: 05/11/2022 @ 07:09 AM **End Date:** 05/11/2022 @ 07:17 AM

Cause: THE SOUTH PLANT FLARED WHEN "B" TRAIN WAS SHUT DOWN TO CHANGE OUT HOT VALVES ON THE COMPRESSOR AND CLEAN OUT THE "Y" STRAINER.

Duration of event: 0:08 minutes Flared MCF: 70

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 the ensure flame is lit and meeting opacity requirements.

This event was a sudden and unforeseeable compressor malfunction of Train "B" due to faulty valves on the compressor unit. Oxy operators quickly contacted the compressor contract workers, Archrock, to immediately send out a compressor mechanic. An Archrock compression mechanic quickly arrived at the facility and began to immediately inspect the unit and reading the alarm pressures. Archrock compression mechanic 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 malfunction alarms. 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, Archrock compressor mechanic determined the cause of the malfunction was due to faulty hot valves. Valves can become faulty and broken suddenly and without warning, regardless of good preventative maintenance practices and programs. Archrock compressor mechanic replaced the faulty hot valves and inspected the compressor unit thoroughly for any other possible reasons the compressor unit might be shutting down. After inspecting and troubleshooting the compressor unit, the compressor mechanic 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 the ensure 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 compressor unit, Archrock, to immediately send out a compressor mechanic, as the malfunction alarm was occurring. An Archrock compression mechanic quickly arrived at the facility and began to immediately inspect the unit and reading the alarm pressures. Archrock compression mechanic 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 down the gas compressor unit, 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, Archrock compressor mechanic determined the cause of the malfunction was due to faulty hot valves. Valves can become faulty and broken/hot suddenly and without warning, regardless of good preventative maintenance practices and programs. Archrock compressor mechanic replaced the faulty valves on the compressor unit thoroughly for any other possible reasons the compressor unit might be getting shut down alarms. After inspecting and troubleshooting the compressor unit, the compressor mechanic 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 the 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. Oxy Train “B” 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 valves. Valves can become faulty and hot/broken suddenly and without warning, regardless of good preventative maintenance practices and programs. 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
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

DEFINITIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 109804
	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
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

QUESTIONS

Action 109804

QUESTIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 109804
	Action Type: [C-129] Venting and/or Flaring (C-129)

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 Well	*Not answered.*
Incident Facility	**[fJXK1530631838] South Hobbs Unit RCF**

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and 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, minor 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 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>Compressor>Valves>Alarm

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	4
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	5,010
Carbon Dioxide (C02) percentage, if greater than one percent	89
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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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

QUESTIONS (continued)

Operator:	OGRID:
OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	157984
	Action Number: 109804
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/11/2022
Time vent or flare was discovered or commenced	07:09 AM
Time vent or flare was terminated	07:17 AM
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: 70 Mcf | Recovered: 0 Mcf | Lost: 70 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

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 109804
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit a *Venting and/or Flaring* (C-129) report on behalf of this operator and understand that this report can be **a complete** C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☑	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.
☑	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.
☑	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 109804

CONDITIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 109804
	Action Type: [C-129] Venting and/or Flaring (C-129)

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.	5/24/2022