PANTECHS LABORATORIES, INC.

Leaders in Petroleum Analytical Services
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Analytical Report

3/17/2023

Customer:	Occidental Permian Ltd.	**Order:**	73-4337
Location:	South Hobbs RCF	**Received:**	3/14/2023
Description:	Monthly Collection	**Primary Contact:**	Richard Sanders

REPORT DISTRIBUTION:

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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: 73-4337 Order Date: 3/14/2023
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	3/14/2023	11:14 AM
Gas	Occidental Permian Ltd.	Central Measurement Group	FE1022	SHU Battery 31C Meter Run	3/14/2023	10:21 AM
Gas	Occidental Permian Ltd.	Central Measurement Group	FE7100	North Hobbs to South Hobbs	3/14/2023	11:05 AM
Gas	Occidental Permian Ltd.	Central Measurement Group	SHU1013	SHRCF Plant Inlet	3/14/2023	11:03 AM
Gas	Occidental Permian Ltd.	South Hobbs RCF	DEX PRO	Inlet	3/14/2023	10:56 AM
Gas	Occidental Permian Ltd.	South Hobbs RCF	DEX PRO	Outlet	3/14/2023	10:57 AM
Liquid	Occidental Permian Ltd.	South Hobbs RCF	DEX PRO	Gasoline	3/14/2023	10:55 AM

No Sample List

Operator	Location	Site	Sample Point	Comment

Pantechs Laboratories, Inc. - Order: 73-4337 - Order Date: 3/14/2023
Order Description: South Hobbs RCF, Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	1554 psig
Location	Central Measurement Group	**Sample Temp**	N/A
Site	SHU7200	**Atm Temp**	50 F
Site Type	Meter	**Collection Date**	03/14/2023
Sample Point	SHRCF Plant CO2 Discharge	**Collection Time**	11:14 AM
Spot/Comp	Spot	**Collection By**	Mike McKinney
Meter ID	SHU7200	**Pressure Base**	14.650 psi
Purchaser		**Temperature Base**	60 F
Fluid	CO2	**Container(s)**	YZ13213

GPA 2177 CO2 Fractional Analysis

COMPOUND	FORMULA	MOL%	VOL%	WT%
NITROGEN	N2	5.439	3.467	3.663
CARBON DIOXIDE	CO2	83.954	83.183	88.837
HYDROGEN SULFIDE	H2S	0.593	0.464	0.486
METHANE	C1	5.877	5.791	2.267
ETHANE	C2	0.946	1.471	0.684
PROPANE	C3	1.631	2.613	1.729
I-BUTANE	iC4	0.386	0.734	0.539
N-BUTANE	nC4	0.802	1.470	1.121
I-PENTANE	iC5	0.191	0.406	0.331
N-PENTANE	nC5	0.117	0.246	0.203
HEXANES PLUS	C6+	0.064	0.155	0.140
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
58.450	58.134	41.591	0.766	307.6

Vapor Phase Properties

ITEM	BTU/CF	Specific Gr.	Z Factor
DRY	175.54	1.443	0.995
WATER SATURATED	173.43	1.430	0.994

Onsite Testing by Stain Tube

METHOD	TYPE	MEAS VALUE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	0.55 VOL%	0.5930	376.53	5,986.8

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

Pantechs Laboratories, Inc. - Order: 73-4337 - Order Date: 3/14/2023
Order Description: South Hobbs RCF, Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	294 psig
Location	Central Measurement Group	**Sample Temp**	N/A
Site	FE1022	**Atm Temp**	46 F
Site Type	Meter	**Collection Date**	03/14/2023
Sample Point	SHU Battery 31C Meter Run	**Collection Time**	10:21 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID	FE1022	**Pressure Base**	14.650 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL1647

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	2.195	1.481	0.241
CARBON DIOXIDE	CO2	85.083	90.200	14.504
HYDROGEN SULFIDE	H2S	0.588	0.483	0.079
METHANE	C1	7.990	3.088	1.354
ETHANE	C2	1.240	0.898	0.332
PROPANE	C3	1.581	1.679	0.436
I-BUTANE	iC4	0.241	0.337	0.079
N-BUTANE	nC4	0.516	0.722	0.163
I-PENTANE	iC5	0.184	0.320	0.067
N-PENTANE	nC5	0.142	0.247	0.051
HEXANES PLUS	C6+	0.240	0.545	0.102
TOTALS:		**100.000**	**100.000**	**17.408**

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)	1.230	0.898	0.462	0.220	0.335	0.192

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	196.74	1.441	0.994	41.513	163.90
WATER SATURATED	194.27	1.427	0.994	40.788	

Onsite Testing by Stain Tube

METHOD	TYPE	MEAS VALUE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	0.55 VOL%	0.5883	373.57	5,939.8

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

Pantechs Laboratories, Inc. - Order: 73-4337 - Order Date: 3/14/2023
Order Description: South Hobbs RCF, Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	304 psig
Location	Central Measurement Group	**Sample Temp**	N/A
Site	FE7100	**Atm Temp**	50 F
Site Type	Meter	**Collection Date**	03/14/2023
Sample Point	North Hobbs to South Hobbs	**Collection Time**	11:05 AM
Spot/Comp	Spot	**Collection By**	Mike McKinney
Meter ID	FE7100	**Pressure Base**	14.650 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL0746

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	2.234	1.508	0.245
CARBON DIOXIDE	CO2	85.049	90.198	14.498
HYDROGEN SULFIDE	H2S	0.485	0.398	0.065
METHANE	C1	8.065	3.118	1.367
ETHANE	C2	1.247	0.904	0.334
PROPANE	C3	1.589	1.689	0.438
I-BUTANE	iC4	0.243	0.340	0.080
N-BUTANE	nC4	0.519	0.727	0.164
I-PENTANE	iC5	0.185	0.322	0.068
N-PENTANE	nC5	0.143	0.249	0.052
HEXANES PLUS	C6+	0.241	0.547	0.102
TOTALS:		**100.000**	**100.000**	**17.413**

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)	1.238	0.904	0.466	0.222	0.337	0.193

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	197.46	1.440	0.994	41.497	164.53
WATER SATURATED	194.97	1.427	0.994	40.772	

Onsite Testing by Stain Tube

METHOD	TYPE	MEAS VALUE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	0.45 VOL%	0.4851	308.07	4,898.3

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

Pantechs Laboratories, Inc. - Order: 73-4337 - Order Date: 3/14/2023
Order Description: South Hobbs RCF, Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	262 psig
Location	Central Measurement Group	**Sample Temp**	N/A
Site	SHU1013	**Atm Temp**	50 F
Site Type	Meter	**Collection Date**	03/14/2023
Sample Point	SHRCF Plant Inlet	**Collection Time**	11:03 AM
Spot/Comp	Spot	**Collection By**	Mike McKinney
Meter ID	SHU1013	**Pressure Base**	14.650 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL2248

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	2.011	1.329	0.221
CARBON DIOXIDE	CO2	87.234	90.555	14.875
HYDROGEN SULFIDE	H2S	0.539	0.433	0.073
METHANE	C1	5.524	2.090	0.937
ETHANE	C2	0.980	0.695	0.262
PROPANE	C3	1.706	1.774	0.470
I-BUTANE	iC4	0.395	0.542	0.129
N-BUTANE	nC4	0.885	1.213	0.279
I-PENTANE	iC5	0.273	0.465	0.100
N-PENTANE	nC5	0.193	0.328	0.070
HEXANES PLUS	C6+	0.260	0.576	0.110
TOTALS:		**100.000**	**100.000**	**17.526**

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)	1.420	1.158	0.688	0.280	0.417	0.215

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	193.75	1.472	0.994	42.396	159.69
WATER SATURATED	191.33	1.458	0.994	41.655	

Onsite Testing by Stain Tube

METHOD	TYPE	MEAS VALUE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	0.50 VOL%	0.5391	342.30	5,442.6

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

Pantechs Laboratories, Inc. - Order: 73-4337 - Order Date: 3/14/2023
Order Description: South Hobbs RCF, Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	246 psig
Location	South Hobbs RCF	**Sample Temp**	N/A
Site	DEX PRO	**Atm Temp**	50 F
Site Type	Station	**Collection Date**	03/14/2023
Sample Point	Inlet	**Collection Time**	10:56 AM
Spot/Comp	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.650 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL1916

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.954	1.290	0.214
CARBON DIOXIDE	CO2	87.426	90.708	14.907
HYDROGEN SULFIDE	H2S	0.431	0.346	0.058
METHANE	C1	5.513	2.085	0.935
ETHANE	C2	0.967	0.686	0.259
PROPANE	C3	1.684	1.751	0.464
I-BUTANE	iC4	0.419	0.574	0.137
N-BUTANE	nC4	0.887	1.215	0.280
I-PENTANE	iC5	0.279	0.475	0.102
N-PENTANE	nC5	0.197	0.335	0.071
HEXANES PLUS	C6+	0.243	0.535	0.103
TOTALS:		**100.000**	**100.000**	**17.530**

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)	1.416	1.157	0.693	0.276	0.409	0.202

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	192.48	1.473	0.994	42.418	158.61
WATER SATURATED	190.08	1.459	0.994	41.677	

Onsite Testing by Stain Tube

METHOD	TYPE	MEAS VALUE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	0.40 VOL%	0.4312	273.84	4,354.1

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

Pantechs Laboratories, Inc. - Order: 73-4337 - Order Date: 3/14/2023
Order Description: South Hobbs RCF, Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	237 psig
Location	South Hobbs RCF	**Sample Temp**	N/A
Site	DEX PRO	**Atm Temp**	50 F
Site Type	Station	**Collection Date**	03/14/2023
Sample Point	Outlet	**Collection Time**	10:57 AM
Spot/Comp	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.650 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL1117

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	2.004	1.329	0.220
CARBON DIOXIDE	CO2	87.994	91.667	15.002
HYDROGEN SULFIDE	H2S	0.431	0.348	0.058
METHANE	C1	5.505	2.091	0.933
ETHANE	C2	0.966	0.688	0.258
PROPANE	C3	1.628	1.699	0.449
I-BUTANE	iC4	0.367	0.505	0.120
N-BUTANE	nC4	0.744	1.024	0.235
I-PENTANE	iC5	0.178	0.304	0.065
N-PENTANE	nC5	0.112	0.191	0.041
HEXANES PLUS	C6+	0.071	0.154	0.030
TOTALS:		**100.000**	**100.000**	**17.411**

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)	1.198	0.940	0.491	0.136	0.192	0.066

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	168.21	1.466	0.994	42.246	138.91
WATER SATURATED	166.23	1.452	0.994	41.508	

Onsite Testing by Stain Tube

METHOD	TYPE	MEAS VALUE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	0.40 VOL%	0.4312	273.84	4,354.1

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

Pantechs Laboratories, Inc. - Order: 73-4337 - Order Date: 3/14/2023

Order Description: South Hobbs RCF, Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	250 psig
Location	South Hobbs RCF	**Sample Temp**	N/A
Site	DEX PRO	**Atm Temp**	50 F
Site Type	Station	**Collection Date**	03/14/2023
Sample Point	Gasoline	**Collection Time**	10:55 AM
Spot/Comp	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.650 psi
Purchaser		**Temperature Base**	60 F
Fluid	Liquid	**Container(s)**	PL0714

GPA 2177 Liquid Fractional Analysis

COMPOUND	FORMULA	MOL%	VOL%	WT%
NITROGEN	N2	0.021	0.008	0.010
CARBON DIOXIDE	CO2	42.450	26.339	31.942
HYDROGEN SULFIDE	H2S	0.412	0.202	0.240
METHANE	C1	0.394	0.243	0.108
ETHANE	C2	0.801	0.780	0.412
PROPANE	C3	6.816	6.837	5.139
I-BUTANE	iC4	4.444	5.292	4.416
N-BUTANE	nC4	13.213	15.165	13.131
I-PENTANE	iC5	8.764	11.679	10.811
N-PENTANE	nC5	7.306	9.633	9.013
HEXANES PLUS	C6+	15.379	23.822	24.778
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
36.605	35.632	58.487	0.675	54.2	51.4

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UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: South Hobbs RCF **Flare Date**: 02/19/2025

Duration of event: 10 Hours 30 Minutes **MCF Flared**: 163

Start Time: 05:23 AM **End Time:** 03:53 PM

Cause: Equipment Malfunction > Compressor Shut Down > Extreme Weather Conditions

Method of Flared Gas Measurement: Gas Flare Meter

Comments: This upset event was not caused by any wells associated with the facility

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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 good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this case, field lost the LP compressor at B Train due to extreme low weather conditions. 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. Compressor engines are designed to operate in a precise manner and when extreme weather conditions occur, it disrupts the gas compressor's normal operating manner, which in turn, prompts an automatic shutdown of the unit to prevent potential equipment damage. Compression malfunctions occur without warning and therefore, Oxy is unable to predict, avoid or prevent this type of equipment malfunction from occurring. This malfunctioning event is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible. The duration and volume of this event is a collective of all intermittent flaring instances within a 24-period.

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

This facility is unmanned, except when Oxy production techs are gathering data daily or conducting daily walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. It is OXY's policy to route its stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, as the part of the overall process or steps to take to limit duration and magnitude of flaring. Oxy personnel are in the field 24/7 and can physically see when we are flaring which in turn are communicated to additional Oxy field personnel. Internal OXY procedures ensure that upon notice of flaring, malfunction gas compressor unit and/or multiple unit shutdown alarms, increased sensor line pressure alarms, etc., field production technician personnel are promptly notified, and are instructed to assess the issue as soon as possible to take prompt corrective action and minimize emissions. Oxy production technicians must assess whether the issue or circumstance is due to damage and repair is needed, or whether there are other reasons for its cause. In this case, plant shut in was necessary to get

off the flare until operations began troubleshooting and diagnosing compressor and once repairs were made, unit was made ready to start up. 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:

Oxy is limited in the corrective actions to eliminate this type of cause and potential reoccurrence of flaring 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 all its facility locations equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. Oxy has a strong and positive compression equipment preventative maintenance program in place. 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 all its facilities and continually work with its compression rental owners to resolve those issues in a timely manner, should they continue to occur suddenly and without warning.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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: 481249
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 481249

QUESTIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 481249
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 ID (n#)	*Unavailable.*
Incident Name	*Unavailable.*
Incident Type	**Flare**
Incident Status	*Unavailable.*
Incident Facility	**[fJXK1530631838] SOUTH HOBBS UNIT RCF**
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 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	Yes
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	Equipment Malfunction > Compressor Shut Down > Extreme Weather Conditions

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	6
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	4,310
Carbon Dioxide (C02) percentage, if greater than one percent	87
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	0
Nitrogen (N2) percentage quality requirement	0
Hydrogen Sufide (H2S) PPM quality requirement	0
Carbon Dioxide (C02) percentage quality requirement	0
Oxygen (02) percentage quality requirement	0

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https://www.emnrd.nm.gov/ocd/contact-us

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: 481249
	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	02/19/2025
Time vent or flare was discovered or commenced	05:23 AM
Time vent or flare was terminated	03:53 PM
Cumulative hours during this event	11

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: 102 MCF | Recovered: 0 MCF | Lost: 102 MCF.
Other Released Details	Cause: Other | Other (Specify) | Carbon Dioxide | Released: 143 MCF | Recovered: 0 MCF | Lost: 143 MCF.
Additional details for Measured or Estimated Volume(s). Please specify	82 MCF assist gas
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	No
Downstream OGRID that should have notified this operator	0
Date notified of downstream activity requiring this vent or flare	
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	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 good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this case, field lost the LP compressor at B Train due to extreme low weather conditions. 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. Compressor engines are designed to operate in a precise manner and when extreme weather conditions occur, it disrupts the gas compressor’s normal operating manner, which in turn, prompts an automatic shutdown of the unit to prevent potential equipment damage. Compression malfunctions occur without warning and therefore, Oxy is unable to predict, avoid or prevent this type of equipment malfunction from occurring. This malfunctioning event is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible. The duration and volume of this event is a collective of all intermittent flaring instances within a 24-period.
	This facility is unmanned, except when Oxy production techs are gathering data daily or conducting daily walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. It is OXY's policy to route its

Steps taken to limit the duration and magnitude of vent or flare	stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, as the part of the overall process or steps to take to limit duration and magnitude of flaring. Oxy personnel are in the field 24/7 and can physically see when we are flaring which in turn are communicated to additional Oxy field personnel. Internal OXY procedures ensure that upon notice of flaring, malfunction gas compressor unit and/or multiple unit shutdown alarms, increased sensor line pressure alarms, etc., field production technician personnel are promptly notified, and are instructed to assess the issue as soon as possible to take prompt corrective action and minimize emissions. Oxy production technicians must assess whether the issue or circumstance is due to damage and repair is needed, or whether there are other reasons for its cause. In this case, plant shut in was necessary to get off the flare until operations began troubleshooting and diagnosing compressor and once repairs were made, unit was made ready to start up. OXY made every effort to control and minimize emissions as much as possible during this event.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Oxy is limited in the corrective actions to eliminate this type of cause and potential reoccurrence of flaring 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 all its facility locations equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. Oxy has a strong and positive compression equipment preventative maintenance program in place. 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 all its facilities and continually work with its compression rental owners to resolve those issues in a timely manner, should they continue to occur suddenly and without warning.

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ACKNOWLEDGMENTS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 481249
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

☑	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.
☑	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.
☑	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.
☑	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

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 481249
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
shelbyschoepf	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.	7/3/2025