

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

	Information		Methodology
A.	Flare Volume:	255 MCF	Metered Gas Volume Field Personnel Reported**
B.	CO2 Percentage:	86.95%	Gas Analysis - Dec 2024*
C.	Hydrocarbon Percentage:	13.05%	100% - 86.95%
D.	Hydrocarbon Volume:	33.3 MCF	$(13.05 \text{ mol\%}) / 100 * 255 \text{ MCF}$
E.	CO2 Volume:	221.7 MCF	$(86.95 \text{ mol\%}) / 100 * 255 \text{ MCF}$

* 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.

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.

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

QUESTIONS

Action 460934

QUESTIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 460934
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513243122
Incident Name	NAPP2513243122 SOUTH HOBBS RCF @ 0
Incident Type	Other
Incident Status	Initial C-141 Received
Incident Facility	[fJXK1530631838] SOUTH HOBBS UNIT RCF

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	South Hobbs RCF
Date Release Discovered	04/27/2025
Surface Owner	Private

Incident Details <i>Please answer all the questions in this group.</i>	
Incident Type	Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Flared Released: 33 MCF Recovered: 0 MCF Lost: 33 MCF.
Other Released Details	Cause: Equipment Failure Gas Compressor Station Carbon Dioxide Released: 222 MCF Recovered: 0 MCF Lost: 222 MCF.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 460934

QUESTIONS (continued)

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 460934
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
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.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	False
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	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.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Shaina Rojas Title: Specialist Environmental Email: Shaina_rojas@oxy.com Date: 05/12/2025
--	--

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

QUESTIONS, Page 3

Action 460934

QUESTIONS (continued)

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 460934
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

CONDITIONS

Action 460934

CONDITIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 460934
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	5/14/2025