

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

	Information	Volumes	Methodology
A.	Flare Volume:	203	Gas Volume Field Personnel Repor
B.	CO2 Percentage:	94.07%	Gas Analysis – Nov -2024
C.	Hydrocarbon Percentage:	5.93%	Gas Analysis – Nov 2024
D.	Hydrocarbon Volume:	12	$(1 - \text{co2 mol\%}) / 100 * \text{total volume}$
E.	CO2 Volume:	191	$(\text{co2 mol\%}) / 100 * \text{total volume}$

*** Gas analysis sample is current and within one year from date of event.*

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Pantechs Laboratories, Inc. - Order: 4617-7523 - 11/14/2024 - North Hobbs Unit - Compressor Suction and Discharge Samples at North Hobbs Batteries

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	Pressure	28 psig
Location	North Hobbs Unit	Sample Temp	64 F
Site	North Injection Battery	Atm Temp	65 F
Site Type	Battery	Collection Date	11/14/2024
Sample Point	4500 Compressor Suction	Collection Time	10:21 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)	PL2393

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.090	0.056	0.010
CARBON DIOXIDE	CO2	94.065	92.322	16.053
HYDROGEN SULFIDE	H2S	0.832	0.632	0.112
METHANE	C1	0.282	0.101	0.048
ETHANE	C2	0.206	0.138	0.055
PROPANE	C3	0.914	0.899	0.252
I-BUTANE	iC4	0.366	0.474	0.120
N-BUTANE	nC4	1.093	1.417	0.345
I-PENTANE	iC5	0.601	0.967	0.220
N-PENTANE	nC5	0.550	0.885	0.199
HEXANES PLUS	C6+	1.001	2.109	0.427
TOTALS:		100.000	100.000	17.841

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)	1.618	1.563	1.311	0.846	1.253	0.799

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	180.80	167.62	1.558	0.993	44.841	144.84
SATURATED	178.60	164.69	1.543	0.993	44.058	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.8321	528.36	8,400.9	396.2

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

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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 445458

QUESTIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 445458
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507942928
Incident Name	NAPP2507942928 NORTH HOBBS NIB @ 0
Incident Type	Flare
Incident Status	Initial C-141 Received
Incident Facility	[fKJ1518128159] North Hobbs Unit NIB

Location of Release Source*Please answer all the questions in this group.*

Site Name	North Hobbs NIB
Date Release Discovered	02/14/2025
Surface Owner	Private

Incident Details*Please answer all the questions in this group.*

Incident Type	Flare
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*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.*

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	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Downhole Well Maintenance Gas Compressor Station Natural Gas Flared Released: 12 MCF Recovered: 0 MCF Lost: 12 MCF.
Other Released Details	Cause: Equipment Failure Gas Compressor Station Carbon Dioxide Released: 191 MCF Recovered: 0 MCF Lost: 191 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.

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QUESTIONS, Page 2

Action 445458

QUESTIONS (continued)

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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	True
All free liquids and recoverable materials have been removed and managed appropriately	True
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: 03/25/2025
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QUESTIONS, Page 3

Action 445458

QUESTIONS (continued)

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	Action Number: 445458
	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>	

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CONDITIONS

Action 445458

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CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	3/26/2025