



AVANT OPERATING
ROYAL OAK 25 FED COM 9H
LEA, NM

OUTSIDE CONTAINMENT

1:36

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Saturated Soil Calculation

Royal Oak -Falcons Frac

L(Ft)

31050

W(Ft)

1

D(In)

1

Oil %

0

[Soil Definitions](#)

SOIL TYPE FACTOR

0.08

0.14

0.16

0.25

0.15

H₂O Spill Total: 64.52 Bbls

Oil Spill Total: 0.00 Bbls

Total Spilled: 64.52 Bbls

Total Spilled: 2,709.63 Gals

[Add Section to Spill](#)

INSIDE CONTAINMENT

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Square/Rectangle Contained Spill with Vessel Displacement

Royal Oak - Falcons Frac

L(Ft)

57

W(Ft)

57

D(In)

24

Oil %

0

Tank Size (Ft)

17.68

Tank Count

5

H₂O Spill Before Disp: 1,157.26

Tank Displacement Vol: 437.26

Oil Spill Total: 0.00

H₂O Spill Total: 720.00

Total Bbls Spilled: 720.00

Total Gals Spilled: 30,239.99

[Add Section to Spill](#)

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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 520345

QUESTIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 520345
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2529773432
Incident Name	NAPP2529773432 ROYAL OAK 25 FEDERAL COM 9H @ 30-025-54152
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-54152] ROYAL OAK 25 FEDERAL COM #009H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Royal Oak 25 Federal Com 9H
Date Release Discovered	10/24/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
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	Cause: Human Error Frac Tank Produced Water Released: 785 BBL Recovered: 720 BBL Lost: 65 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	We had a reportable release at the Royal Oak 25 Federal Com 9H during frac operations. Shortly after initiating treatment #31, we observed a pressure drop at 6:00 AM while pumping at 85 bpm. A thorough inspection of the well and lines revealed no visible issues. However, at 6:50 AM, the pressure unexpectedly increased, and produced water was seen spilling from the top of the flowback tank. Operations were temporarily suspended, and valves were inspected before we resumed work. Upon further investigation, we discovered that a valve had been inadvertently opened, redirecting produced water meant for frac operations into the flowback tanks. This diversion caused the flowback tanks to fill and overflow into the secondary containment area. Subsequently, the secondary containment also filled to capacity and overflowed onto the well pad. We will schedule an assessment and remediation for the impacted areas in the coming weeks, following the completion of frac operations.

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QUESTIONS, Page 2

Action 520345

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)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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.	

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	Not answered.

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: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 10/27/2025
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QUESTIONS, Page 3

Action 520345

QUESTIONS (continued)

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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

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CONDITIONS

Created By	Condition	Condition Date
scwells	None	10/29/2025