



CIMAREX ENERGY  
HACKBERRY 23 FED COM CTB  
EDDY, NM







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HACKBERRY 23 FED COM CTB  
EDDY, NM



\*\*\*\*\* LIQUID SPILLS - VOLUME CALCULATIONS \*\*\*\*\*

Location of spill: Hackberry 23 Fed Com CTB Date of Spill: 8/4/2024

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box, flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here: ☐

Input Data:

OIL:0.0000 BBL

WATER:0.0000 BBL

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here:

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations						Standing Liquid Calculations							
Total Surface Area	width	length	wet soil depth	oil (%)		Standing Liquid Area	width	length	liquid depth	oil (%)			
Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #1	5 ft	X	5 ft	X	0.25 in	0%
Rectangle Area #2	0 ft	0	0 ft	X	0 in	0%	Rectangle Area #2	9 ft	X	9 ft	X	0.25 in	0%
Rectangle Area #3	0 ft	0	0 ft	X	0 in	0%	Rectangle Area #3	11 ft	X	6 ft	X	0.25 in	0%
Rectangle Area #4	0 ft	0	0 ft	X	0 in	0%	Rectangle Area #4	15 ft	X	14 ft	X	0.25 in	0%
Rectangle Area #5	0 ft	0	0 ft	X	0 in	0%	Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	0	0 ft	X	0 in	0%	Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	0	0 ft	X	0 in	0%	Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	0	0 ft	X	0 in	0%	Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #9	0 ft	0	0 ft	X	0 in	0%	Rectangle Area #9	0 ft	X	0 ft	X	0 in	0%

Liquid holding factor \*:0.14 gal per gal

Use the following when the spill wets the grains of the soil:  
\* sand = .08 gallon liquid per gallon volume of soil.  
\* gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil.  
\* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.  
\* clay loam = .16 gallon liquid per gallon volume of soil.

Use the following when the liquid completely fills the pore space of the soil:  
Occurs when the spill soaked soil is contained by barriers, natural (or not).  
\* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.  
\* sandy loam = .5 gallon liquid per gallon volume of soil.

Saturated Soil Volume Calculations:				Free Liquid Volume Calculations:			
Total Solid/Liquid Volume:	sq. ft.	H2O cu. ft.	OIL cu. ft.	Total Free Liquid Volume:	382 sq. ft.	H2O 7.958 cu. ft.	OIL .000 cu. ft.
<b>Estimated Volumes Spilled</b>				<b>Estimated Production Volumes Lost</b>			
Liquid in Soil:		0.0 BBL	0.0 BBL	Estimated Production Spilled:		0.000000 BBL	0.000000 BBL
Free Liquid:		1.4 BBL	0.0 BBL	<b>Estimated Surface Damage</b>			
Totals:		1.417 BBL	0.000 BBL	Surface Area:	382 sq. ft.		
Recovered:		0.0 BBL	0.000 BBL	Surface Area:	.0088 acre		
Total Liquid Spill Liquid:		1.417 BBL	0.000 BBL	<b>Estimated Weights, and Volumes</b>			
<b>Recovered Volumes</b>				Saturated Soil =	lbs	cu.ft.	cu.yds.
Estimated oil recovered:	0.0 BBL	check - okay		Total Liquid =	1 BBL	59.53 gallon	495 lbs
Estimated water recovered:	0.0 BBL	check - okay					

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**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 370491

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 370491
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Hackberry 23 Federal Com CTB
Date Release Discovered	08/04/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
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	Cause: Equipment Failure   Separator   Produced Water   Released: 4 BBL   Recovered: 4 BBL   Lost: 0 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)	A Contract Operator arrived on location and found produced water leaking from a heater treater manway gasket due to a hole in the fire tube. The Operator immediately shut down the burner and supply then began draining the vessel to reduce the spill before allowing the fire tube time to cool down. As the water level dropped, oil dripped onto the still hot fire tube and ignited a small fire inside the fire tube. A Coterra Well Tech was nearby and immediately started shutting in wells then extinguished the fire inside the fire tube once he confirmed safe to do so. A total of 4.4 barrels produced water was released onto the lined containment prior to the fire. The vessel has been taken out of service until repairs are completed. A vac truck was able to recover fluids and the containment will be scheduled to be washed. No injuries were associated with the incident and the fire was extinguished with a fire extinguisher.



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QUESTIONS, Page 2

Action 370491

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 370491
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More volume information must be supplied to determine if this will be treated as 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: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS  
  
Action 370491

ACKNOWLEDGMENTS

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	Action Number: 370491
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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CONDITIONS  
  
Action 370491

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 370491
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
lluig	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	8/5/2024





# Liner Integrity Certification

The following serves to verify that the affected liner has been inspected and found to be in serviceable condition in accordance with 19.15.29.11 A.(5)(a)(i-ii) of the New Mexico Administrative Code.

**FACILITY ID: FAPP2130752016**

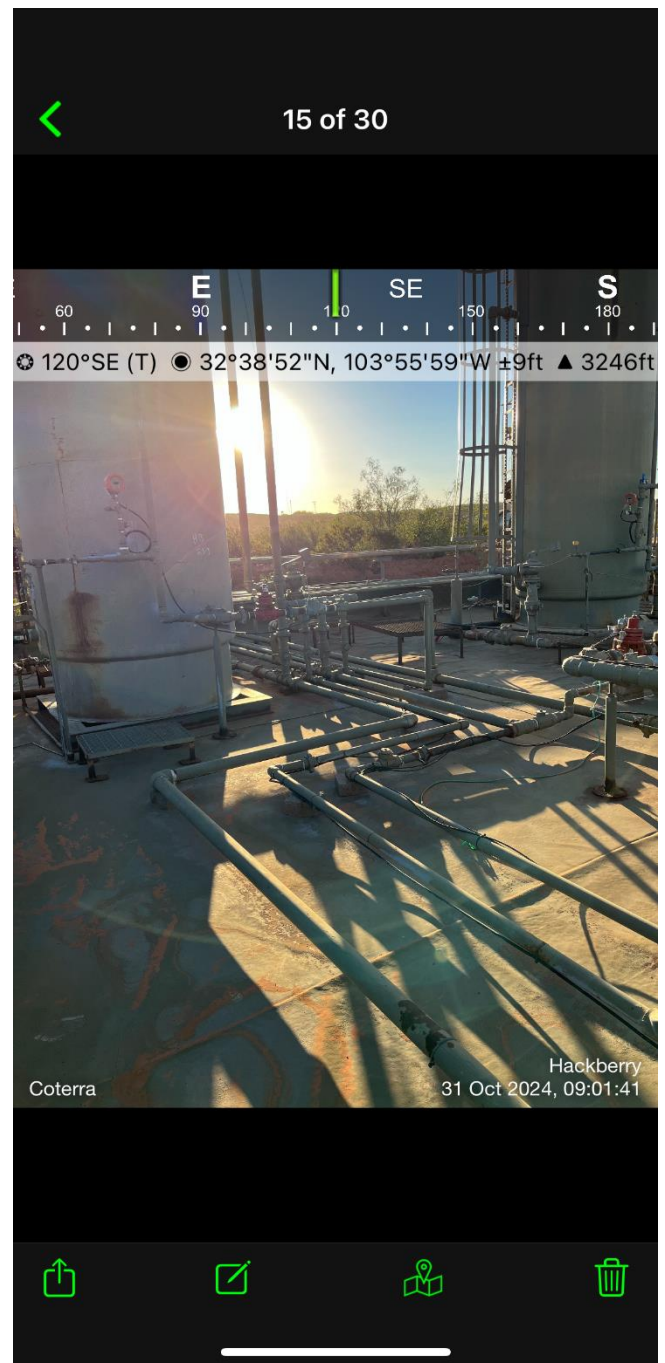
Date: 11/4/2024

Incident ID(s): nAPP2421846554

- ☒ Responsible Party has visually inspected the liner.
- ☒ Liner remains intact and was able to contain the leak in question.
- ☒ At least two business days' notice was given to the appropriate division district office before conducting the liner inspection.
- ☒ Photographs illustrating liner integrity are included.

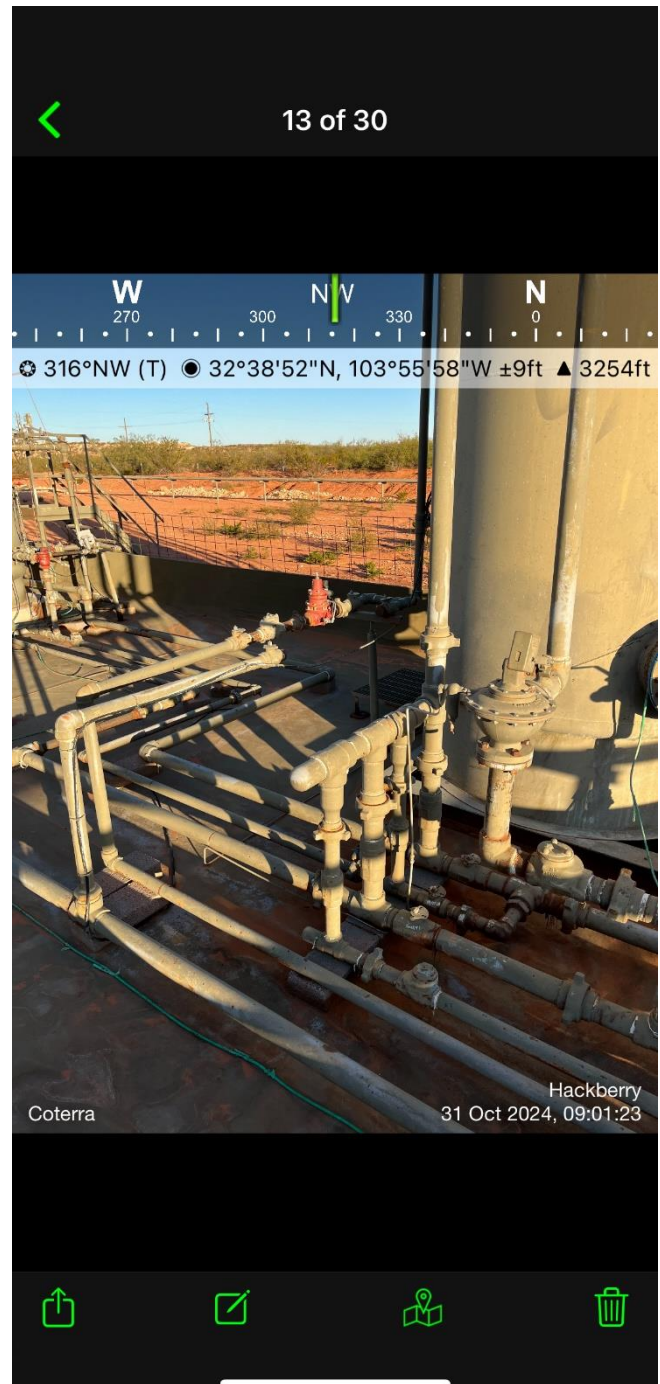
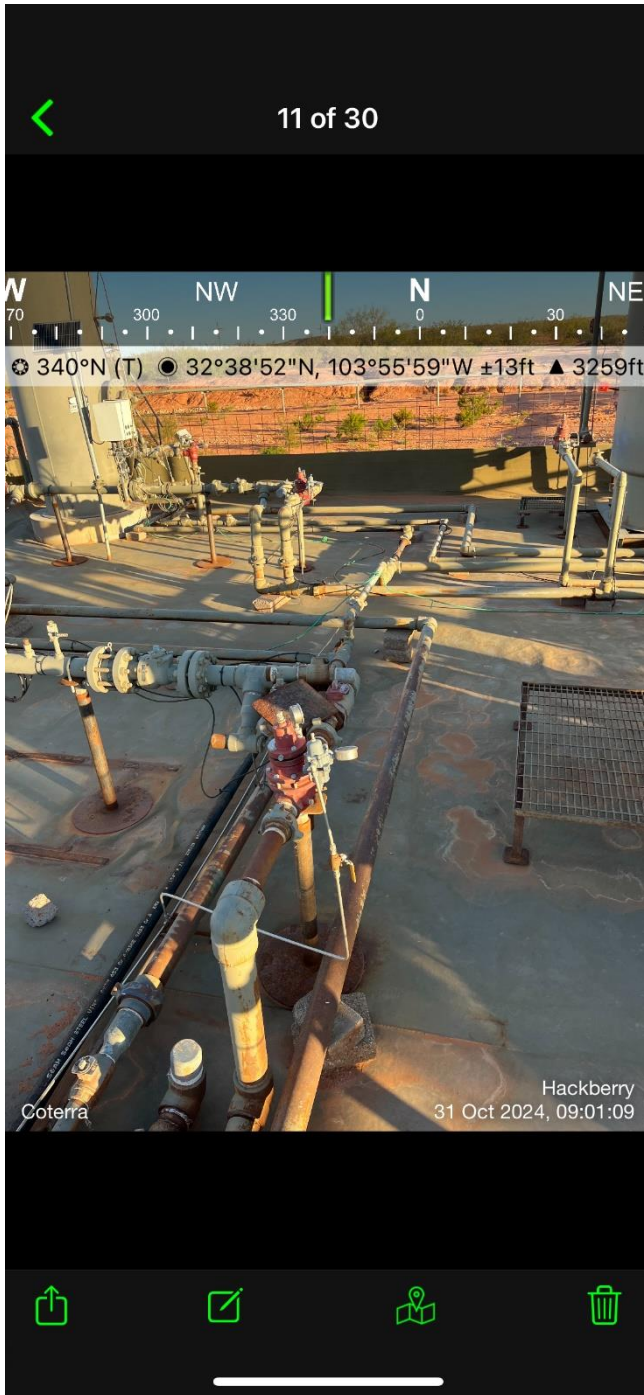


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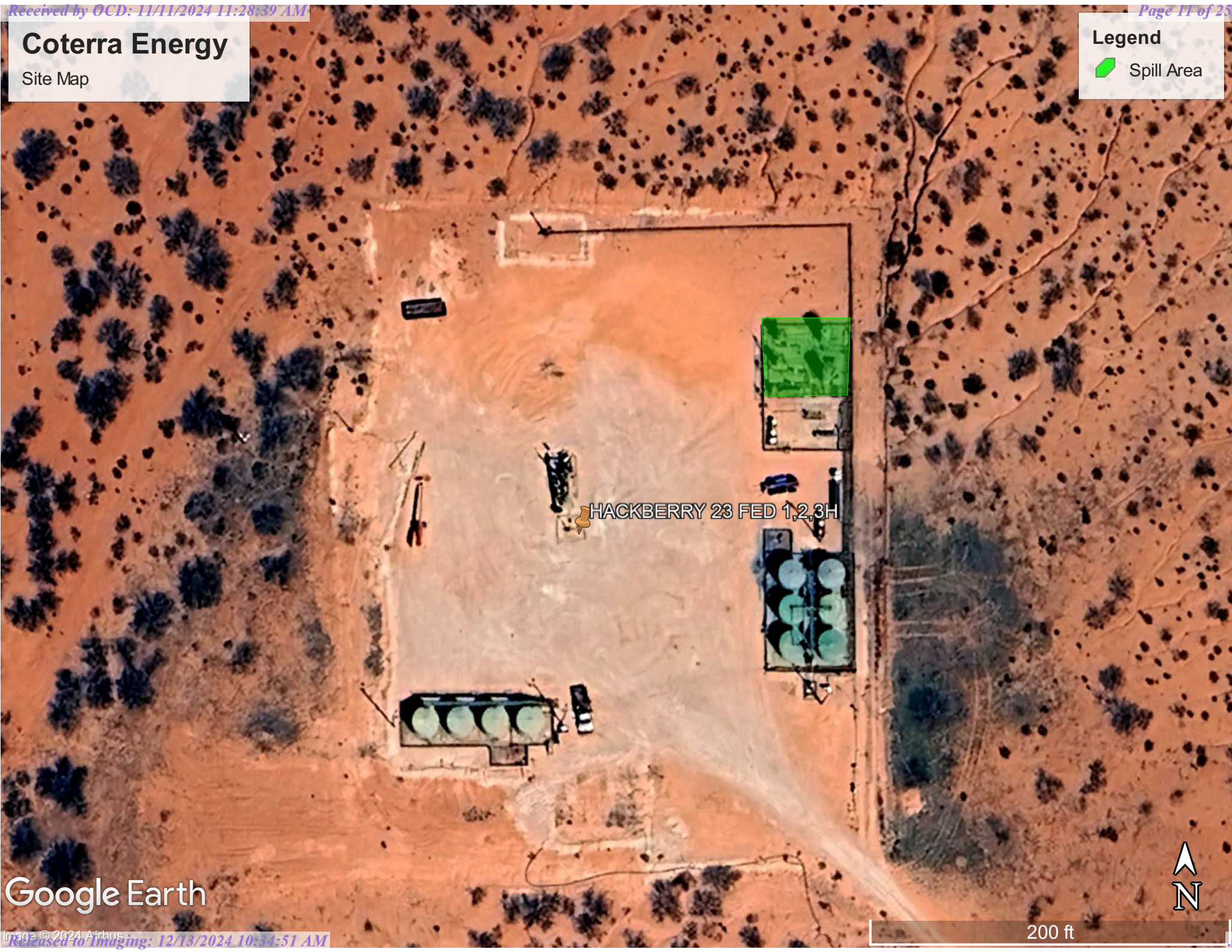


# Coterra Energy

Site Map

## Legend

 Spill Area



Google Earth



200 ft



# Coterra Energy

Nearest Water Well

## Legend

- 0.67
- 0.82
- 1.12
- 1.62
- HACKBERRY 23 FED 1,2,3H

92' - Drilled 1982

180' - Drilled 1998

HACKBERRY 23 FED 1,2,3H

65' - Drilled 2011

22.50' - Drilled 1994

Google Earth



1 mi

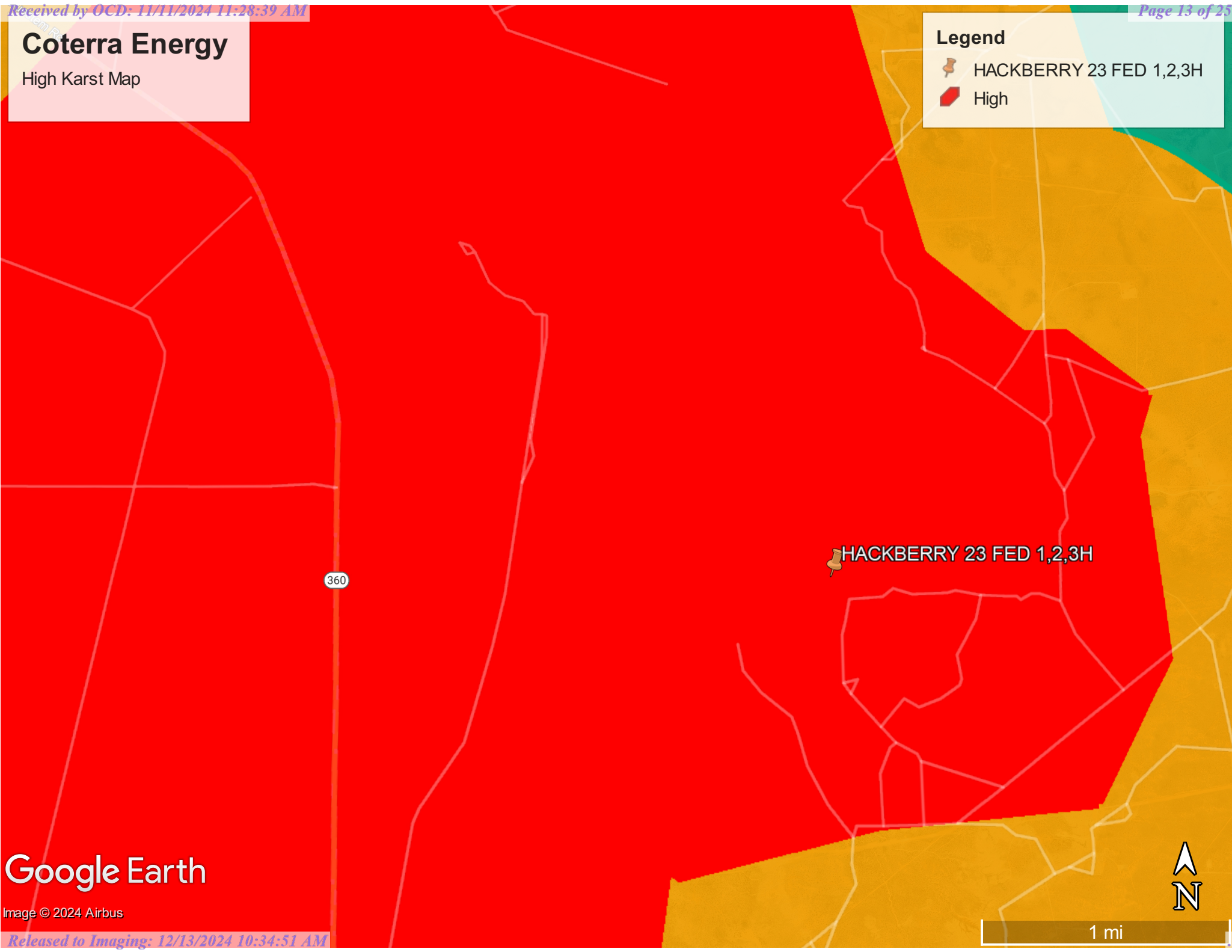




**Coterra Energy**  
High Karst Map

**Legend**

-  HACKBERRY 23 FED 1,2,3H
-  High









Google Earth

Image © 2024 Airbus



# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)	(quarters are smallest to largest)				(NAD83 UTM in meters)				(In feet)				
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth
<a href="#">CP 00357 POD2</a>		CP	ED	SE	SW	NW	24	19S	30E	600265.0	3612627.0 *		258	630
<a href="#">CP 00357 POD1</a>		CP	ED	SE	SE	NW	24	19S	30E	600667.0	3612631.0 *		647	630
<a href="#">CP 00722 POD2</a>		CP	ED	NE	NW	NW	25	19S	30E	600276.0	3611620.0 *		1136	350
<a href="#">CP 00873 POD1</a>		CP	LE		NW	NW	19	19S	31E	601772.0	3613147.0 *		1794	340
<a href="#">CP 00822 POD1</a>		CP	LE		SE	SE	15	19S	30E	598148.0	3613516.0 *		2037	90
<a href="#">CP 00647 POD1</a>	O	CP	ED	SE	NE	NE	15	19S	30E	598235.0	3614621.0 *		2606	200

Average

Minimum

Maximum

**Record Count:** 6

**UTM Filters (in meters):**

**Easting:** 600027.35  
**Northing:** 3612728.76  
**Radius:** 3000

\* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/23/24 1:32 PM MST

Water Column/Average Depth to Water

# Point of Diversion Summary

quarters are 1=NW  
2=NE 3=SW 4=SE  
quarters are smallest to  
largest

Well							
Tag	POD Nbr	Q64	Q16	Q4	Sec	Tw	Rng
CP 00722 POD2		NE	NW	NW	25	19S	30E

\* UTM location was derived from PLSS - see Help

Driller License:	1058	Driller Company:	KEY'S DRILLING & PUMP SER
------------------	------	------------------	---------------------------

Driller Name:	KEY, CASEY
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Drill Start Date:	2011-04-26	Drill Finish Date:	2011-05-02
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Log File Date:	2011-05-17	PCW Rcv Date:	
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Pump Type:	Pipe Discharge Size:
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Casing6.00Depth350

Size:Well:



## Water Bearing Stratifications:

Top	Bottom	Description
60	68	Sandstone/Gravel/Conglomerate
295	345	Sandstone/Gravel/Conglomerate

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10/23/24 1:33 PM MST

Point of Diversion Summary

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# National Flood Hazard Layer FIRMette



103°56'19"W 32°39'7"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°55'42"W 32°38'36"N

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **10/23/2024 at 3:28 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

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QUESTIONS

Action 394793

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 394793
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421846554
Incident Name	NAPP2421846554 HACKBERRY 23 FEDERAL COM CTB @ 0
Incident Type	Fire
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2130752016] HACKBERRY 23 FEDERAL 1H,2H,3H

Location of Release Source	
Site Name	Hackberry 23 Federal Com CTB
Date Release Discovered	08/04/2024
Surface Owner	Federal

Liner Inspection Event Information	
Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	3,295
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	10/31/2024
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	NA
Please provide any information necessary for navigation to liner inspection site	NA

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CONDITIONS  
  
Action 394793

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 394793
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
lluig	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	10/22/2024

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>

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QUESTIONS

Action 401217

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 401217
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421846554
Incident Name	NAPP2421846554 HACKBERRY 23 FEDERAL COM CTB @ 0
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2130752016] HACKBERRY 23 FEDERAL 1H,2H,3H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Hackberry 23 Federal Com CTB
Date Release Discovered	08/04/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
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	Cause: Equipment Failure   Separator   Produced Water   Released: 4 BBL   Recovered: 4 BBL   Lost: 0 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)	A Contract Operator arrived on location and found produced water leaking from a heater treater manway gasket due to a hole in the fire tube. The Operator immediately shut down the burner and supply then began draining the vessel to reduce the spill before allowing the fire tube time to cool down. As the water level dropped, oil dripped onto the still hot fire tube and ignited a small fire inside the fire tube. A Coterra Well Tech was nearby and immediately started shutting in wells then extinguished the fire inside the fire tube once he confirmed safe to do so. A total of 4.4 barrels produced water was released onto the lined containment prior to the fire. The vessel has been taken out of service until repairs are completed. A vac truck was able to recover fluids and the containment will be scheduled to be washed. No injuries were associated with the incident and the fire was extinguished with a fire extinguisher.



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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 401217

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 401217
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as 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: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
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: 11/11/2024
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QUESTIONS, Page 3

Action 401217

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 401217
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

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.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	10/25/2024
On what date will (or did) the final sampling or liner inspection occur	10/31/2024
On what date will (or was) the remediation complete(d)	10/25/2024
What is the estimated surface area (in square feet) that will be remediated	3166
What is the estimated volume (in cubic yards) that will be remediated	354
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<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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QUESTIONS, Page 4

Action 401217

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 401217
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<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>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
Is (or was) there affected material present needing to be removed	Yes
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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: 11/11/2024
<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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QUESTIONS, Page 6

Action 401217

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 401217
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	394793
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	10/31/2024
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	3295

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
What was the total surface area (in square feet) remediated	3166
What was the total volume (cubic yards) remediated	362
Summarize any additional remediation activities not included by answers (above)	none

*The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.*

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 11/11/2024
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CONDITIONS

Action 401217

CONDITIONS

Operator:  CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID:  215099
	Action Number:  401217
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2421846554 HACKBERRY 23 FEDERAL COM CTB, thank you. This Remediation Closure Report is approved.	12/13/2024