



## SITE INFORMATION

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**Closure Report**  
**Black River 15 10 State 3H7H TB**  
**Incident ID: nAPP2502724391**  
**Unit N Sec 15 T24S R27E**  
**32.210247 °, -104.181590°**  
**Eddy County, New Mexico**

**Produced Water Release**  
**Point of Release: Equipment Failure**  
**Release Date: 01.23.2025**  
**Volume Released: 13 Barrels of Produced Water**  
**Volume Recovered: 13 Barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:**  
**Marathon Oil Corporation**  
**990 Town and Country Blvd,**  
**Houston, Texas 77024**

**Prepared by:**  
**Carmona Resources, LLC**  
**310 West Wall Street**  
**Suite 500**  
**Midland, Texas 79701**



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February 27, 2025

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Closure Report**  
**Black River 15 10 State 3H7H TB**  
**Marathon Oil Corporation**  
**Incident ID: nAPP2502724391**  
**Site Location: Unit N, S15, T24S, R27E**  
**(Lat 32.210247°, Long -104.181590°)**  
**Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Marathon Oil Corporation, Carmona Resources, LLC has prepared this letter to document the Black River 15 10 State 3H7H TB site activities. The site is located at 32.210247°, -104.181590° within Unit N, S15, T24S, R27E, in Eddy County, New Mexico (Figures 1 and 2).

### **1.0 Site Information and Background**

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the incident was discovered on January 23, 2025, due to equipment failure from a fitting failure. This equipment failure resulted in produced water being released inside the secondary containment. The incident released approximately thirteen (13) barrels of produced water, with thirteen (13) barrels of produced water recovered. All fluids were contained within the lined facility. See Figure 3. The Notice of Release form is attached in Appendix B.

### **2.0 Site Characterization and Groundwater**

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest well is located approximately 0.57 miles South of the site in S22, T24S, R27E and was drilled in 2071. The well has a reported groundwater depth of 70' feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.

### **3.0 NMAC Regulatory Criteria**

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

### **4.0 Liner Inspection Activities**

Prior to the liner inspection, the NMOCD division office was notified via web portal on January 30, 2025, per Subsection D of 19.15.29.12 NMAC. The NMSLO was notified via email. The correspondence with



both state agencies can be found in Appendix B. After thoroughly cleaning the plastic liner, Carmona Resources personnel inspected it to assess its structural integrity. On February 4, 2025, Carmona Resources, LLC conducted the liner inspection activities and confirmed that the liner was intact with no integrity issues. Refer to the Photolog for details.

### **5.0 Conclusions**

Based on the liner inspection throughout the facility, no further actions are required at the site. The final C-141 is attached, and Marathon formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Conner Moehring  
Environmental Manager

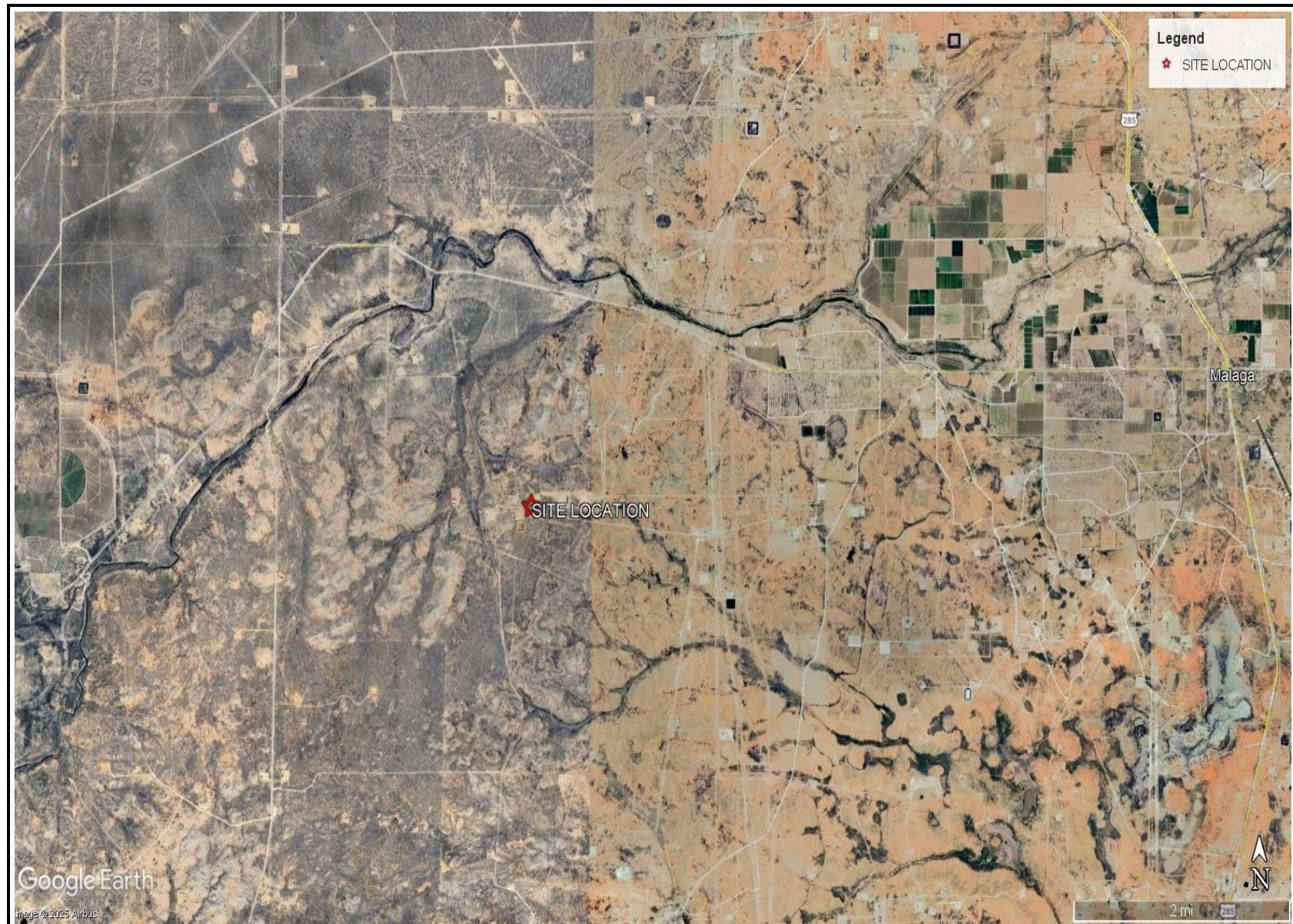
Ashton Thielke  
Sr. Project Manager

## FIGURES

CARMONA RESOURCES





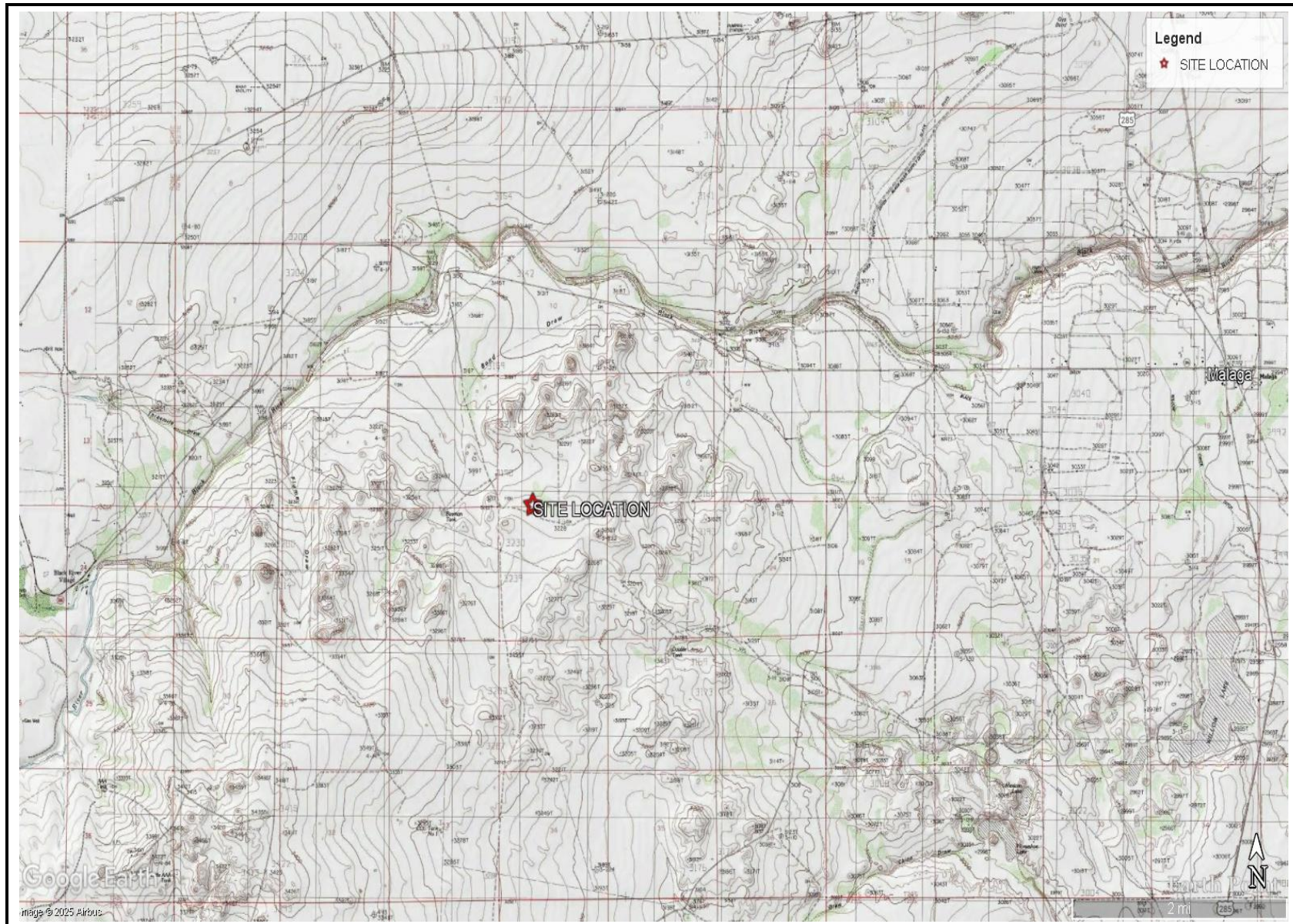


OVERVIEW MAP  
MARATHON OIL CORPORATION  
BLACK RIVER 15 10 STATE 3H7H TB  
EDDY COUNTY, NEW MEXICO  
32.210247°, -104.181590°



FIGURE 1



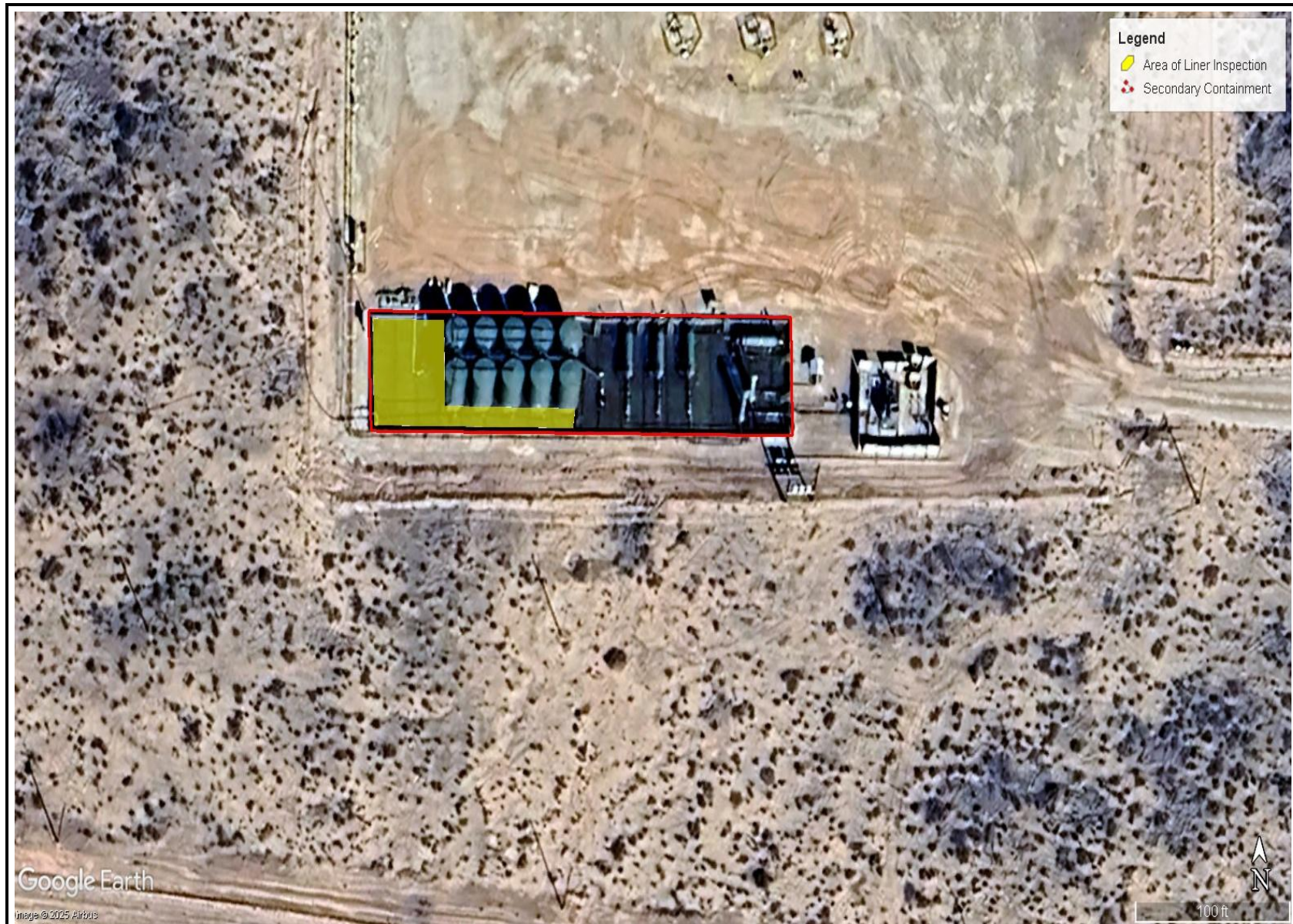


TOPOGRAPHIC MAP  
MARATHON OIL CORPORATION  
BLACK RIVER 15 10 STATE 3H7H TB  
EDDY COUNTY, NEW MEXICO  
32.210247°, -104.181590°



FIGURE 2





SECONDARY CONTIANMENT MAP  
MARATHON OIL CORPORATION  
BLACK RIVER 15 10 STATE 3H7H TB  
EDDY COUNTY, NEW MEXICO  
32.210247°, -104.181590°



FIGURE 3

## APPENDIX A

CARMONA RESOURCES





# PHOTOGRAPHIC LOG

Marathon Oil Corporation

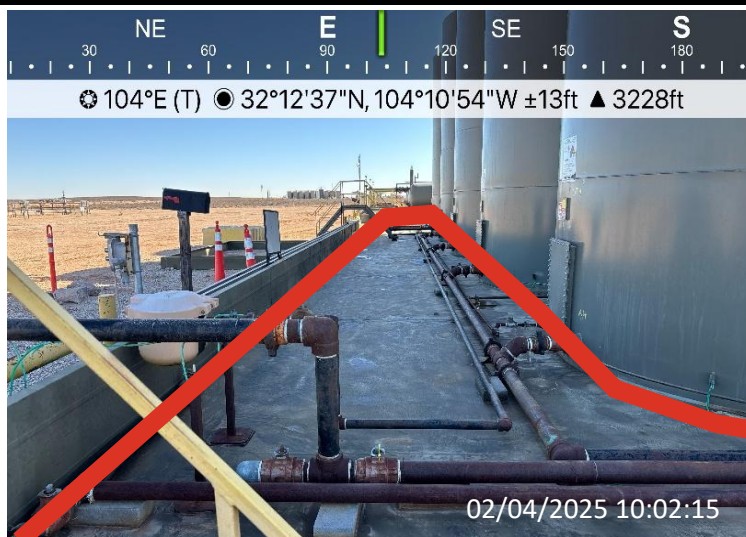
## Photograph No. 1

**Facility:** Black River 15 10 State 3H74 TB

**County:** Eddy County, New Mexico

### Description:

View East of the intact liner. Red outline is the area of the liner inspection. The wet spots are from the freshwater from pressure washing the liner. The inspection photos were taken immediately after cleaning.



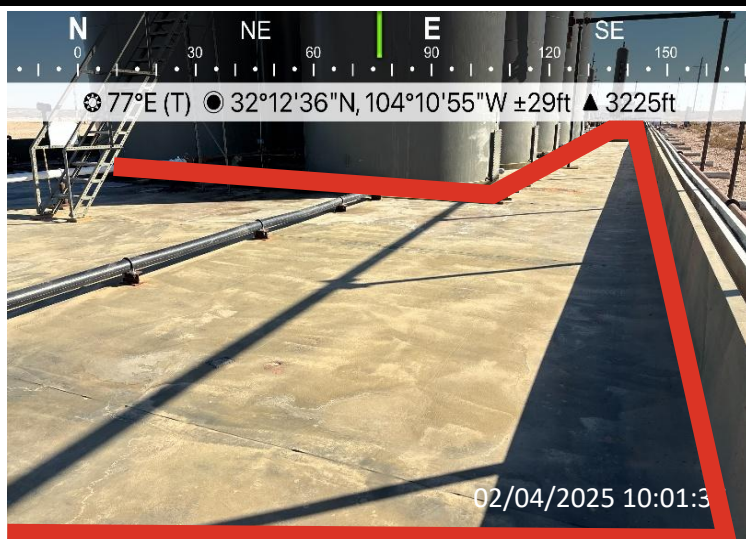
## Photograph No. 2

**Facility:** Black River 15 10 State 3H74 TB

**County:** Eddy County, New Mexico

### Description:

View East of the intact liner. Red outline is the area of the liner inspection. The wet spots are from the freshwater from pressure washing the liner. The inspection photos were taken immediately after cleaning.



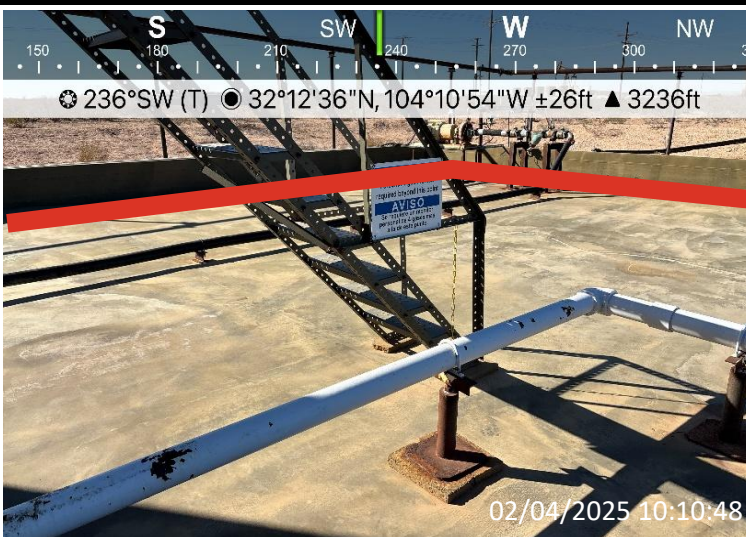
## Photograph No. 3

**Facility:** Black River 15 10 State 3H74 TB

**County:** Eddy County, New Mexico

### Description:

View Southwest of the intact liner. Red outline is the area of the liner inspection. The wet spots are from the freshwater from pressure washing the liner. The inspection photos were taken immediately after cleaning.





## APPENDIX B

CARMONA RESOURCES



## MRO Spill Calculation Tool

**Standing Liquid Inputs:**

	Length (ft.)	Width (ft.) (Area for Displacement)	Avg. Liquid Depth (in.)	% Oil	Total Volume (bbls)	Water Volume (bbls)	Oil Volume (bbls)
Rectangle Area #1	150	25	0.5		27.83	27.83	0.00
Rectangle Area #2					0.00	0.00	0.00
Rectangle Area #3					0.00	0.00	0.00
Rectangle Area #4					0.00	0.00	0.00
Rectangle Area #5					0.00	0.00	0.00
Rectangle Area #6					0.00	0.00	0.00
Vessel Displacement		2009.6	0.5		14.91	14.91	0.00
Vessel Displacement					0.00	0.00	0.00
Liquid Volume:					12.92	12.92	0.00

**Saturated Soil Inputs:**

	Length (ft.)	Width (ft.) / (SQ Ft)	Soil Type: Gravel Loam Avg. Saturated Depth (in.)	% Oil	Total Volume (bbls)	Water Volume (bbls)	Oil Volume (bbls)
Rectangle Area #1					0.00	0.00	0.00
Rectangle Area #2					0.00	0.00	0.00
Rectangle Area #3					0.00	0.00	0.00
Rectangle Area #4					0.00	0.00	0.00
Rectangle Area #5					0.00	0.00	0.00
Rectangle Area #6					0.00	0.00	0.00
SQ FT Calc					0.00	0.00	0.00
Rectangle Area #8					0.00	0.00	0.00
Saturated Volume					0.00	0.00	0.00

	Total Volume (bbls)	Water Volume (bbls)	Oil Volume (bbls)
Total Spill Volume (bbls):	12.92	12.92	0.00
Total Spill Volume (gals):	542.46	542.46	0.00

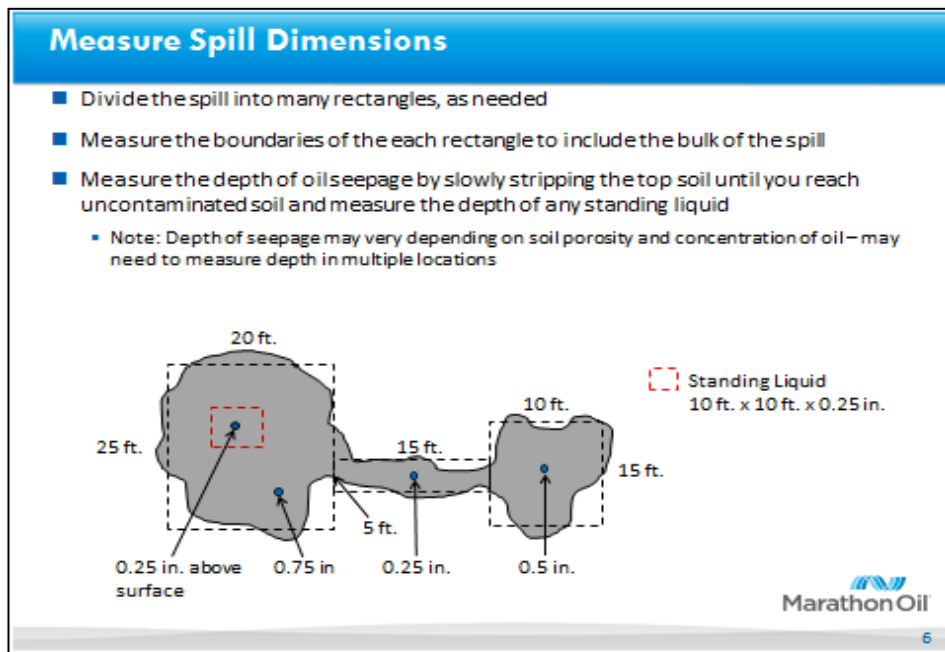
Comments:

Color Key:

Required Input Cells	Supplemental Input Cells	No Input (Calculations)	No Input
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### Ground/Vegetation Overspray

Cover Type	Microns	Approximate Depth (in)
Ground		
Dull Color	10	0.00003281
Dark Color	50	0.00016404



1/8"

1/4"

1/2"

3/4"

Number of Tanks	Area of Displacement (Ft <sup>2</sup> )
10	2009.6

0.125  
0.25  
0.5  
0.75

Clay Loam	0.16
Gravel or Sand	0.08
Gravel Loam	0.14
Sandy Clay Loam	0.14

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 424779

## QUESTIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 424779
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

## QUESTIONS

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2502724391
Incident Name	NAPP2502724391 BLACK RIVER 374 STATE TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2125238645] BLACK RIVER 374 STATE TB

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	BLACK RIVER 374 STATE TB
Date Release Discovered	01/23/2025
Surface Owner	State

<b>Incident Details</b>	
<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

<b>Nature and Volume of Release</b>	
<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: Equipment Failure   Fitting   Produced Water   Released: 13 BBL   Recovered: 13 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 T-fitting on the production line of the produced water tanks was found leaking resulting in 13 bbls of produced water to be released to lined secondary containment.

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QUESTIONS, Page 2

Action 424779

**QUESTIONS (continued)**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 424779
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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: Cody Swanson Steege Title: Compliance Supervisor Email: swansonste@marathonoil.com Date: 01/27/2025
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QUESTIONS, Page 3

Action 424779

**QUESTIONS (continued)**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 424779
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Site Characterization</b>	
<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.
<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	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.

<b>Remediation Plan</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>	
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 424779

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 424779
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	1/29/2025



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

QUESTIONS

Action 426791

**QUESTIONS**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 426791
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2502724391
Incident Name	NAPP2502724391 BLACK RIVER 374 STATE TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2125238645] BLACK RIVER 374 STATE TB

Location of Release Source	
Site Name	BLACK RIVER 374 STATE TB
Date Release Discovered	01/23/2025
Surface Owner	State

Liner Inspection Event Information	
<i>Please answer all the questions in this group.</i>	
What is the liner inspection surface area in square feet	3,750
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	02/04/2025
Time liner inspection will commence	10:00 AM
Please provide any information necessary for observers to liner inspection	Conner Moehring - 432.813.6823
Please provide any information necessary for navigation to liner inspection site	32.210701, -104.181339

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Oil Conservation Division  
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CONDITIONS

Action 426791

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 426791
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
cmoehring	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.	1/30/2025

## Conner Moehring

---

**From:** Conner Moehring  
**Sent:** Thursday, January 30, 2025 2:42 PM  
**To:** eco@nmslo.gov  
**Cc:** Mike Carmona; Stephen Reyes; Ivan Ramos; PaulB  
**Subject:** Marathon - Black River 374 State TB - Liner Inspection Notification - nAPP2502724391

Good Afternoon,

We wanted to inform the NMSLO that we will be conducting a liner inspection at the Black River 374 State Tank Battery. The liner inspection will be cleaned, and all impacted material will be removed from the falcon-lined facility prior to the inspection. The inspection will occur on Tuesday, February 4, 2025, at approximately 10:00 am (MT). The site location GPS is 32.210701, -104.181339, and the approximate area of concern is 3,750 square feet.

Please call me if you have any questions or need any additional information.

Conner R. Moehring  
310 West Wall Street, Suite 500  
Midland TX, 79701  
M: 432-813-6823  
[cmoehring@carmonaresources.com](mailto:cmoehring@carmonaresources.com)

## APPENDIX C

CARMONA RESOURCES









# Nearest Water Well

Marathon Oil Permian LLC

## Legend

-  0.50 Mile Radius
-  0.57 Miles
-  BLACK RIVER 374 STATE TB (01.23.2025)
-  NMSEO Water Well

BLACK RIVER 374 STATE TB (01.23.2025)

70' - Drilled 1971





# Medium Karst

Marathon Oil Permian LLC

## Legend

- BLACK RIVER 374 STATE TB (01.23.2025)
- Medium

BLACK RIVER 374 STATE TB (01.23.2025)







# New Mexico Office of the State Engineer

## 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)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
<a href="#">C 01452</a>		C	ED				22	24S	27E	577435.0	3563175.0 *		927	95	70	25
<a href="#">C 00850</a>		C	ED		NE	SW	09	24S	27E	575595.0	3566223.0 *		2687	108	35	73
<a href="#">C 00821</a>		C	ED		SW	NE	09	24S	27E	575996.0	3566635.0 *		2833	97	50	47
<a href="#">C 04147 POD1</a>		CUB	ED	SE	NW	SW	24	24S	27E	580100.9	3562969.8		3094	35		
<a href="#">C 00347</a>		CUB	ED		NW	NW	13	24S	27E	580010.0	3565479.0 *		3131	60	30	30
<a href="#">C 03147</a>		C	ED	SW	SW	SW	12	24S	27E	579884.7	3565715.5		3137	140		
<a href="#">C 00364</a>	C	CUB	ED		NW	NE	09	24S	27E	575997.0	3567043.0 *		3206	2270		
<a href="#">C 01943</a>		C	ED			NW	13	24S	27E	580221.0	3565275.0 *		3240	30	25	5
<a href="#">C 01366</a>		CUB	ED			SE	08	24S	27E	574590.0	3566003.0 *		3253	60	35	25
<a href="#">C 00631</a>		C	ED	SW	SW	SE	08	24S	27E	574288.0	3565701.0 *		3344	50	24	26
<a href="#">C 03260 POD1</a>		C	ED	SW	SW	SW	12	24S	27E	579994.7	3565935.0		3348	80	56	24
<a href="#">C 00342</a>	C	CUB	ED		SE	NW	13	24S	27E	580432.0	3565080.0 *		3374	2565		
<a href="#">C 00516</a>		CUB	ED	NW	SW	SE	08	24S	27E	574288.0	3565901.0 *		3446	105	36	69
<a href="#">C 00516 CLW201016</a>	O	CUB	ED	NW	SW	SE	08	24S	27E	574288.0	3565901.0 *		3446	62		
<a href="#">C 00516 CLW308590</a>	O	CUB	ED	NW	SW	SE	08	24S	27E	574288.0	3565901.0 *		3446	105	36	69
<a href="#">C 00516 S</a>		CUB	ED	NW	SW	SE	08	24S	27E	574288.0	3565901.0		3446	50	17	33
<a href="#">C 03260 POD2</a>	O	C	ED	NW	SW	SW	12	24S	27E	580100.0	3565984.0		3462	80	56	24
<a href="#">C 03145</a>		C	ED	SW	NW	SE	13	24S	27E	580749.0	3564579.0 *		3573	103	40	63
<a href="#">C 03489 POD1</a>		CUB	ED	NE	SE	SW	08	24S	27E	574153.1	3565939.8		3581	200		
<a href="#">C 00683</a>		C	ED		SE	SW	08	24S	27E	573986.0	3565796.0 *		3655	50	17	33
<a href="#">C 01187</a>		C	ED		SE	SW	08	24S	27E	573986.0	3565796.0 *		3655	108	17	91
<a href="#">C 01721</a>		C	ED			NW	25	24S	27E	580271.0	3562033.0 *		3678	170		
<a href="#">C 00516 POD10</a>		CUB	ED	SW	SE	SW	08	24S	27E	573874.6	3565722.2		3720	160	45	115
<a href="#">C 03490 POD1</a>		CUB	ED	SW	SE	SW	08	24S	27E	573811.9	3565709.4		3771	140	23	117
<a href="#">C 00516 POD6</a>		CUB	ED	NW	SE	SW	08	24S	27E	573885.0	3565895.0 *		3791	78	17	61
<a href="#">C 02976</a>		C	ED	SE	NE	SW	12	24S	27E	580519.0	3566195.0 *		3929	57	27	30

Minimum Depth: **17 feet**

Maximum Depth: **70 feet**

---

**Record Count:** 26

**UTM Filters (in meters):**

**Easting:** 577210.77

**Northing:** 3564075

**Radius:** 4000

\* UTM location was derived from PLSS - see Help

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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.


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# Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	TwS	Rng	X	Y	Map
	C 01452				22	24S	27E	577435.0	3563175.0 *	

\* UTM location was derived from PLSS - see [Help](#)

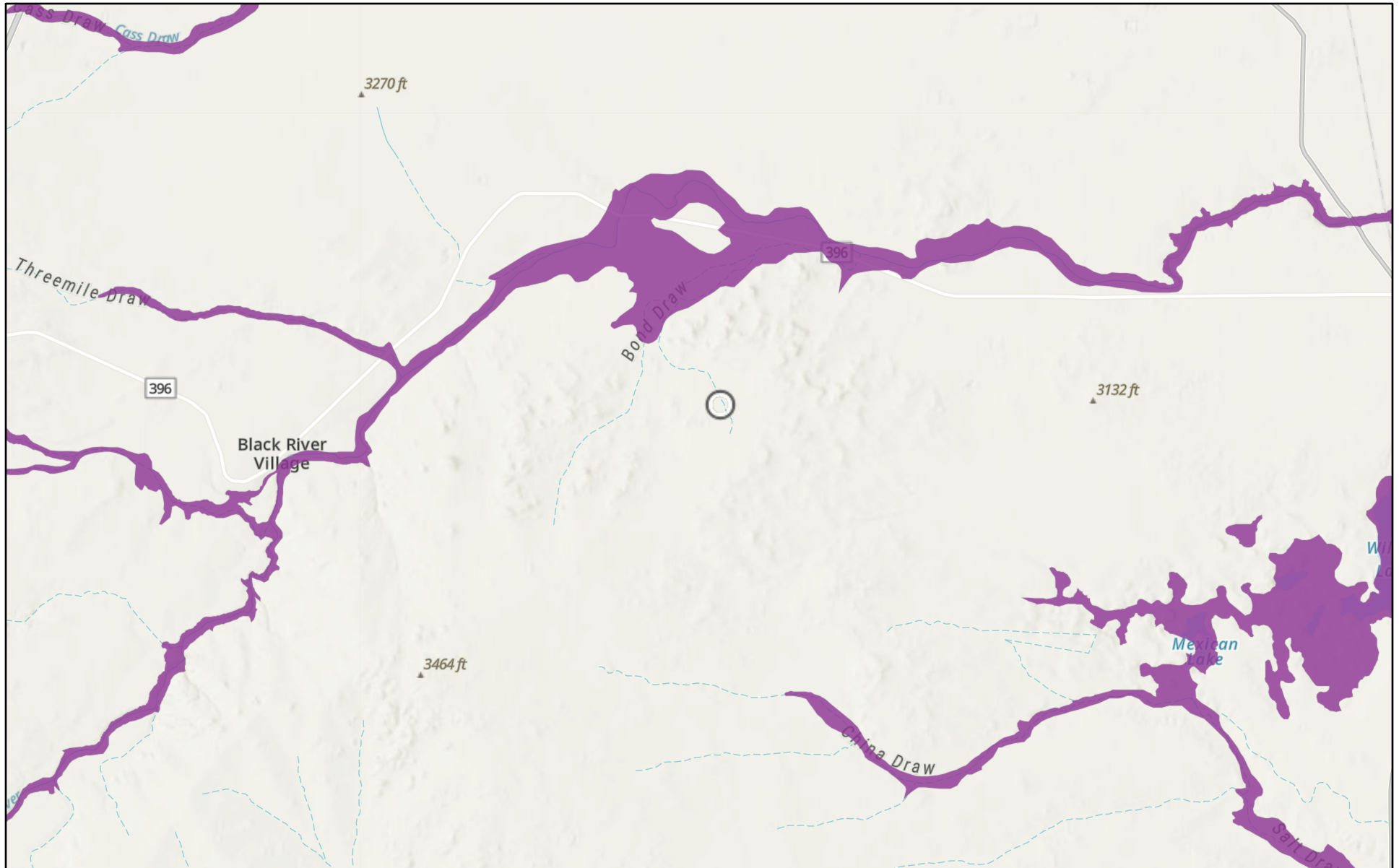
Driller License:	30	Driller Company:	BARRON, EMMETT		
Driller Name:	BARRON, EMMETT				
Drill Start Date:	1971-07-21	Drill Finish Date:	1971-07-23	Plug Date:	
Log File Date:	1971-08-02	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	7.00	Depth Well:	95	Depth Water:	70

## Water Bearing Stratifications:

Top	Bottom	Description
60	70	Sandstone/Gravel/Conglomerate

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# BLACK RIVER 374 STATE TB (01.23.2025)

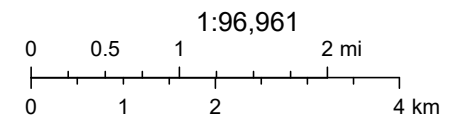


2/26/2025

USA Flood Hazard Areas

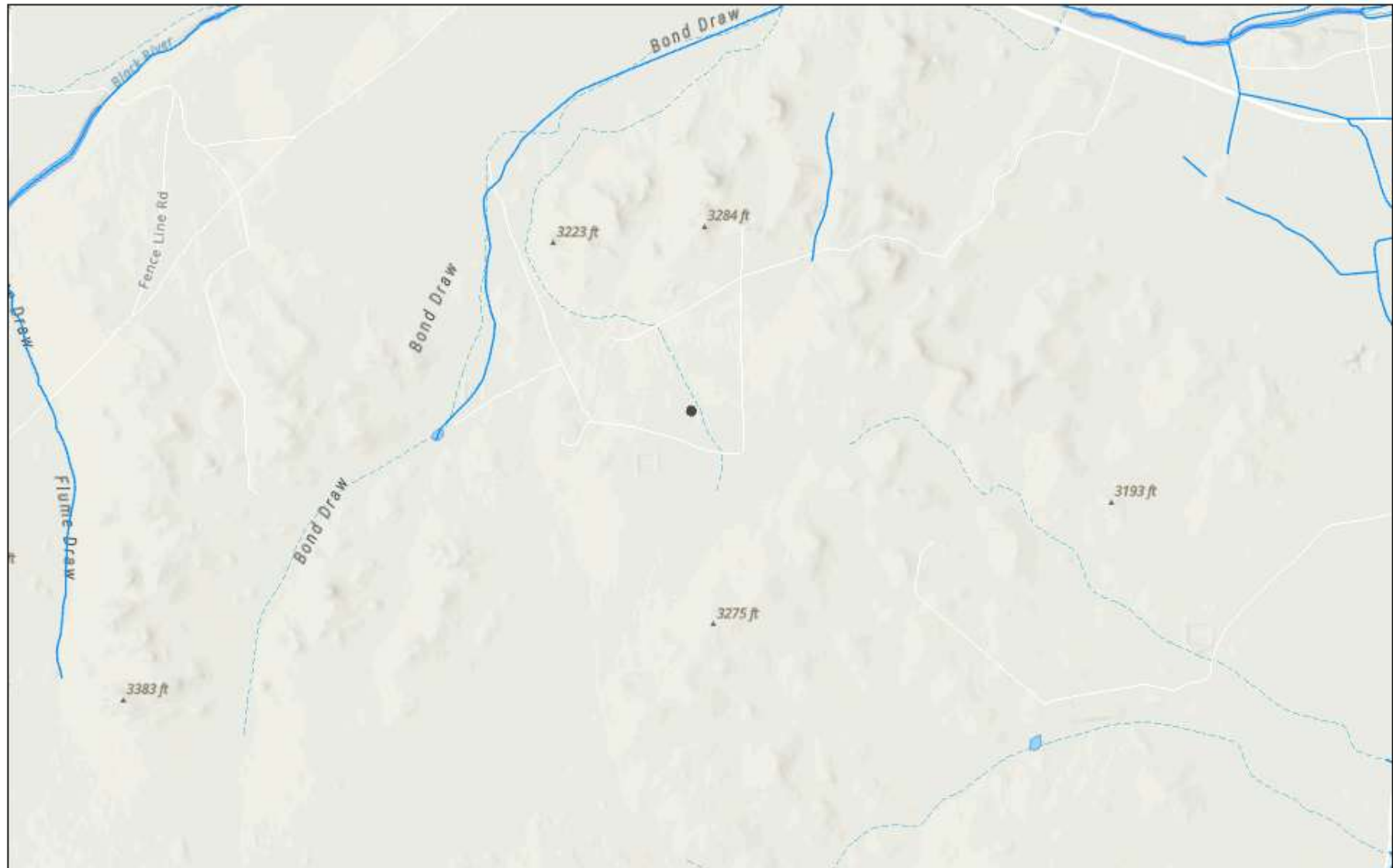
World Hillshade

1% Annual Chance Flood Hazard



Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri,

## BLACK RIVER 374 STATE TB (01.23.2025)



2/26/2025, 5:28:56 PM

OSW Water Bodys

OSE Streams

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map, <http://nm-emrld.maps.arcgis.com/apps/webappviewer/index.html?id=4d01712306164de29fd2fb9f8135ca75>, New Mexico Oil Conservation Division

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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 436803

**QUESTIONS**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 436803
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2502724391
Incident Name	NAPP2502724391 BLACK RIVER 374 STATE TB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2125247203] BLACK RIVER 15 10 STATE 3H7H TB

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

Site Name	BLACK RIVER 374 STATE TB
Date Release Discovered	01/23/2025
Surface Owner	State

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

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***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   Fitting   Produced Water   Released: 13 BBL   Recovered: 13 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 T-fitting on the production line of the produced water tanks was found leaking resulting in 13 bbls of produced water to be released to lined secondary containment.

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QUESTIONS, Page 2

Action 436803

**QUESTIONS (continued)**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 436803
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**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

*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: Cody Swanson Steege Title: Compliance Supervisor Email: swansonste@marathonoil.com Date: 01/27/2025
--	--

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QUESTIONS, Page 3

Action 436803

**QUESTIONS (continued)**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 436803
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<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)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</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>	
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	02/04/2025
On what date will (or did) the final sampling or liner inspection occur	02/04/2025
On what date will (or was) the remediation complete(d)	02/04/2025
What is the estimated surface area (in square feet) that will be remediated	3750
What is the estimated volume (in cubic yards) that will be remediated	0
<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 436803

**QUESTIONS (continued)**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 436803
	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: Cody Swanson Steege Title: Compliance Supervisor Email: <a href="mailto:swansonste@marathonoil.com">swansonste@marathonoil.com</a> Date: 02/28/2025
<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 436803

**QUESTIONS (continued)**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 436803
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	426791
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	02/04/2025
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	3750

**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	3750
What was the total volume (cubic yards) remediated	0
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: Cody Swanson Steege Title: Compliance Supervisor Email: swansonste@marathonoil.com Date: 02/28/2025
--	--



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CONDITIONS

Action 436803

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 436803
	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 #NAPP2502724391 BLACK RIVER 374 STATE TB, thank you. This Remediation Closure Report is approved.	3/3/2025