

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2320620970
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Marathon Oil Permian LLC	OGRID 372098
Contact Name Melodie Sanjari	Contact Telephone 575-988-8753
Contact email <a href="mailto:msanjari@marathonoil.com">msanjari@marathonoil.com</a>	Incident # (assigned by OCD)
Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 8220	

### Location of Release Source

Latitude 32.21021092 Longitude -104.17061069  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name BLACK RIVER 15 10 STATE COM X #004H	Site Type Oil & Gas Facility
Date Release Discovered: 7/24/2023	API# (if applicable) 30-015-43959

Unit Letter	Section	Township	Range	County
P	15	24S	27E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 45	Volume Recovered (bbls) 45
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

Operator arrived on location to a pinhole failure between the 3" fitting and threads on the separator dump line. This resulted in the release of approx. 45 bbl. of produced water within the lined, secondary containment. The source was isolated and standing fluid recovered. A notice will be sent out prior to a liner integrity inspection.

Incident ID	nAPP2320620970
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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes via NOR.	

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. 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 attach all information needed for closure evaluation.	
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.	
Printed Name: <u>Melodie Sanjari</u>	Title: <u>Environmental Professional</u>
Signature: <u>Melodie Sanjari</u>	Date: <u>7/25/2023</u>
email: <u>msanjari@marathonoil.com</u>	Telephone: <u>575-988-8753</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

Incident ID	nAPP2320620970
District RP	
Facility ID	
Application ID	

## Closure

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 (electronic submittals in .pdf format are preferred) 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.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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.

Printed Name: Melodie Sanjari Title: Environmental Professional

Signature: Melodie Sanjari Date: 9/6/2023

email: msanjari@marathonoil.com Telephone: 575-988-8753

### OCD Only

Received by: Shelly Wells Date: 9/6/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Shelly Wells Date: 10/4/2023

Printed Name: Shelly Wells Title: Environmental Specialist-Advanced

**From:** [Sanjari, Melodie \(MRO\)](#)  
**To:** [eco@slo.state.nm.us](mailto:eco@slo.state.nm.us); [Enviro, OCD, EMNRD](#)  
**Subject:** Marathon Oil Company - Liner Inspection Notice - nAPP2320620970  
**Date:** Tuesday, July 25, 2023 7:35:00 AM  
**Attachments:** [image001.jpg](#)

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Good Morning,

Please let this email serve as the required notification prior to a liner integrity inspection at the Black River 4H facility to close out incident nAPP2320620970. Repairs are taking place today and the inspection will take place this coming Thursday the 27<sup>th</sup> of July to ensure we mitigate slips, trips or falls.

Thank you

**Melodie Sanjari**

Environmental Professional  
Permian & Oklahoma  
575-988-8753



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**From:** Sanjari, Melodie (MRO)  
**Sent:** Tuesday, July 25, 2023 7:15 AM  
**To:** [eco@slo.state.nm.us](mailto:eco@slo.state.nm.us)  
**Subject:** Marathon Oil Company - Initial C141 - nAPP2320620970

Good Morning,

Please find the initial C141 associated with a release discovered yesterday at the Black River 15 10 State Com 4H location. The entire release volume remained within the lined, secondary containment and a notice will be sent out prior to a liner integrity inspection.

Thank you

**Melodie Sanjari**

Environmental Professional  
Permian & Oklahoma  
575-988-8753



**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>

**Sent:** Tuesday, July 25, 2023 6:50 AM

**To:** Sanjari, Melodie (MRO) <[msanjari@marathonoil.com](mailto:msanjari@marathonoil.com)>

**Subject:** [External] The Oil Conservation Division (OCD) has accepted the application, Application ID: 243890

**This Message Is From an External Sender - Beware of links/attachments.**

[Report Suspicious](#)

To whom it may concern (c/o Melodie Sanjari for MARATHON OIL PERMIAN LLC),

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2320620970,  
with the following conditions:

- **When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.**

Please reference nAPP2320620970, on all subsequent C-141 submissions and communications regarding the remediation of this release.

**NOTE:** As of December 2019, NMOCD has discontinued the use of the “RP” number.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

[ocd.enviro@state.nm.us](mailto:ocd.enviro@state.nm.us)

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505

Liner Integrity Inspection (Photos Attached)

Date: 7/27

Facility: Black River 4H

48 Hour Notification Given On: 7/25

Responsible party has visually inspected the liner

Y/N

Liner remains intact

Y/N

Liner had the ability to contain the leak in question:

Y/N

Notes:

no failures noted  
before & after on photo log

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Company Representative(s)

Melodie Sanjari

*M Sanjari*













SECONDARY CONTAINMENT MAP  
MARATHON OIL COMPANY  
BLACK RIVER 15 10 STATE COM X #004H  
EDDY COUNTY, NEW MEXICO  
32.21021092°, -104.17061069°



FIGURE 1

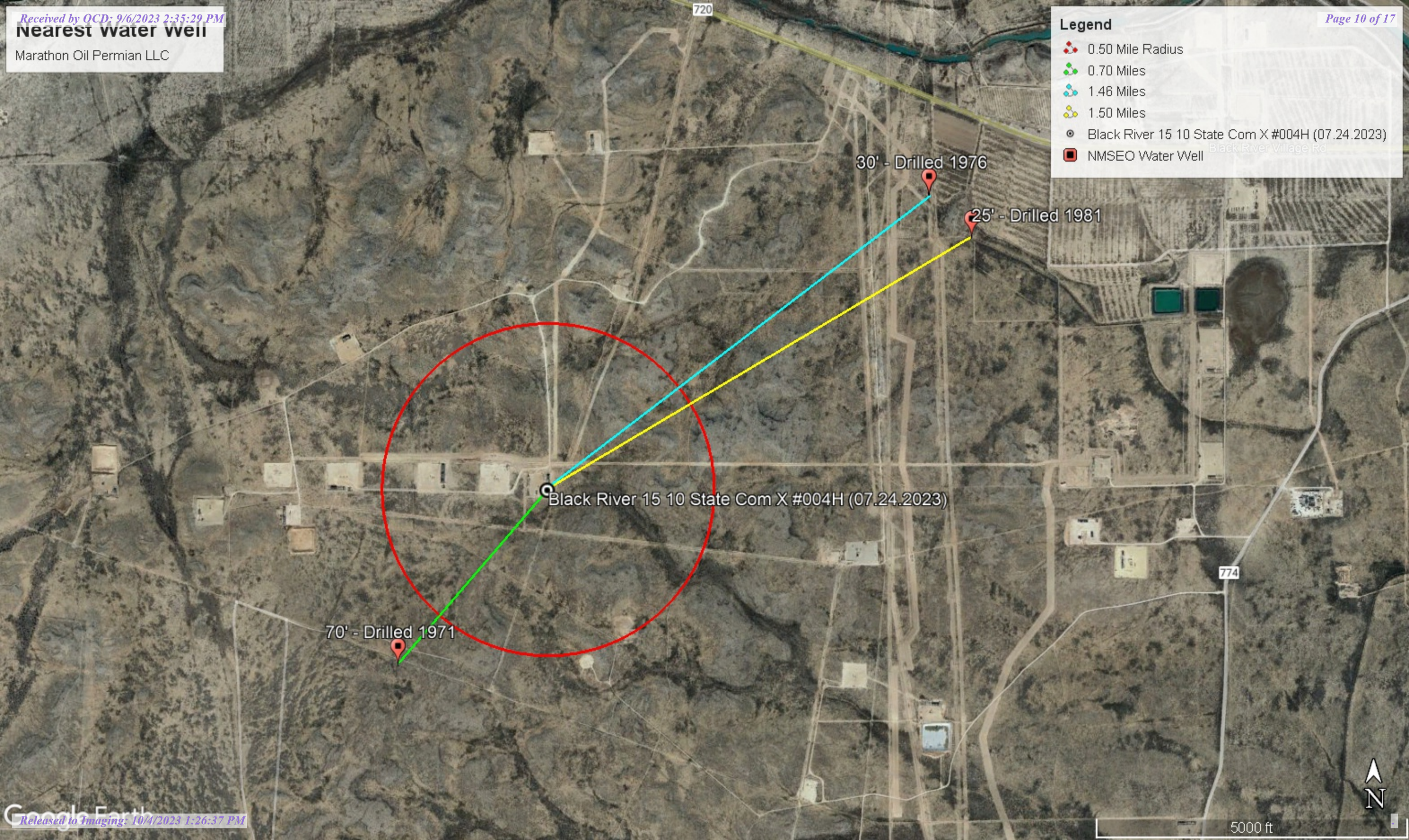


**Nearest water well**

Marathon Oil Permian LLC

**Legend**

- 0.50 Mile Radius
- 0.70 Miles
- 1.46 Miles
- 1.50 Miles
- Black River 15 10 State Com X #004H (07.24.2023)
- NMSEO Water Well





**Medium Karst**

Marathon Oil Permian LLC

**Legend**

- Black River 15 10 State Com X #004H (07.24.2023)
- High
- Medium

Black River 15 10 State Com X #004H (07.24.2023)

774



5000 ft





# 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 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code basin		Q Q Q							X	Y	Distance	Depth Well	Depth Water	Water Column	
	County	64	16	4	Sec	Tws	Rng									
<a href="#">C 01452</a>	C	ED				22	24S	27E	577435	3563175*		1127	95	70	25	
<a href="#">C 04147 POD1</a>	CUB	ED	4	1	3	24	24S	27E	580101	3562969		2213	35			
<a href="#">C 00347</a>	CUB	ED		1	1	13	24S	27E	580010	3565479*		2344	60	30	30	
<a href="#">C 01943</a>	C	ED			1	13	24S	27E	580221	3565275*		2402	30	25	5	
<a href="#">C 03147</a>	C	ED	3	3	3	12	24S	27E	579885	3565715		2405	140			
<a href="#">C 00342</a>	C	CUB	ED		4	1	13	24S	27E	580432	3565080*		2498	2565		
<a href="#">C 03260 POD1</a>	C	ED	3	3	3	12	24S	27E	579995	3565935		2638	80	56	24	
<a href="#">C 03145</a>	C	ED	3	1	4	13	24S	27E	580749	3564579*		2643	103	40	63	
<a href="#">C 03260 POD2</a>	O	C	ED	1	3	3	12	24S	27E	580100	3565984		2747	80	56	24
<a href="#">C 01721</a>	C	ED			1	25	24S	27E	580271	3562033*		2909	170			
<a href="#">C 02976</a>	C	ED	4	2	3	12	24S	27E	580519	3566195*		3195	57	27	30	
<a href="#">C 03037</a>	C	ED	4	3	4	12	24S	27E	580930	3565795*		3279	116	25	91	
<a href="#">C 00850</a>	C	ED		2	3	09	24S	27E	575595	3566223*		3371	108	35	73	
<a href="#">C 00821</a>	C	ED		3	2	09	24S	27E	575996	3566635*		3382	97	50	47	
<a href="#">C 03740 POD1</a>	C	ED	4	4	4	12	24S	27E	581283	3565795		3582	340			
<a href="#">C 00364</a>	C	CUB	ED		1	2	09	24S	27E	575997	3567043*		3704	2270		

Average Depth to Water: **41 feet**

Minimum Depth: **25 feet**

Maximum Depth: **70 feet**

Record Count: 16

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 578162

**Northing (Y):** 3564037

**Radius:** 4000

\*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.

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WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	01452				22	24S	27E	577435	3563175*
<hr/>									
<b>Driller License:</b>		30		<b>Driller Company:</b>		BARRON, EMMETT			
<b>Driller Name:</b>		BARRON, EMMETT							
<b>Drill Start Date:</b>		07/21/1971		<b>Drill Finish Date:</b>		07/23/1971		<b>Plug Date:</b>	
<b>Log File Date:</b>		08/02/1971		<b>PCW Rev Date:</b>				<b>Source:</b> Shallow	
<b>Pump Type:</b>				<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b>	
<b>Casing Size:</b>		7.00		<b>Depth Well:</b>		95 feet		<b>Depth Water:</b> 70 feet	
<hr/>									
<b>Water Bearing Stratifications:</b>		<b>Top</b>	<b>Bottom</b>	<b>Description</b>					
		60	70	Sandstone/Gravel/Conglomerate					

\*UTM location was derived from PLSS - see Help

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9/14/23 1:52 PM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	00347		1	1	13	24S	27E	580010	3565479*
<hr/>									
<b>Driller License:</b> 24		<b>Driller Company:</b>		BRININSTOOL, M.D.					
<b>Driller Name:</b>		BRININSTOOL, M.D.							
<b>Drill Start Date:</b> 07/02/1974		<b>Drill Finish Date:</b>		06/25/1976		<b>Plug Date:</b>			
<b>Log File Date:</b> 07/01/1976		<b>PCW Rev Date:</b>				<b>Source:</b>		Shallow	
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b>		100 GPM	
<b>Casing Size:</b> 4.25		<b>Depth Well:</b>		60 feet		<b>Depth Water:</b>		30 feet	
<hr/>									
<b>Water Bearing Stratifications:</b>		<b>Top</b>	<b>Bottom</b>	<b>Description</b>					
		48	54	Other/Unknown					

\*UTM location was derived from PLSS - see Help

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9/14/23 1:52 PM

POINT OF DIVERSION SUMMARY





# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	01943			1	13	24S	27E	580221	3565275*
<hr/>									
<b>Driller License:</b> 961		<b>Driller Company:</b>		MAVERICK DRILLING					
<b>Driller Name:</b> DON THOMPSON									
<b>Drill Start Date:</b> 09/15/1981		<b>Drill Finish Date:</b>		09/25/1981		<b>Plug Date:</b>			
<b>Log File Date:</b> 06/11/1982		<b>PCW Rev Date:</b>		<b>Source:</b>					
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b> 2 GPM			
<b>Casing Size:</b>		<b>Depth Well:</b>		30 feet		<b>Depth Water:</b> 25 feet			
<hr/>									
<b>Water Bearing Stratifications:</b>		<b>Top</b>	<b>Bottom</b>	<b>Description</b>					
		0	10	Shallow Alluvium/Basin Fill					
		10	25	Other/Unknown					
		25	30	Sandstone/Gravel/Conglomerate					

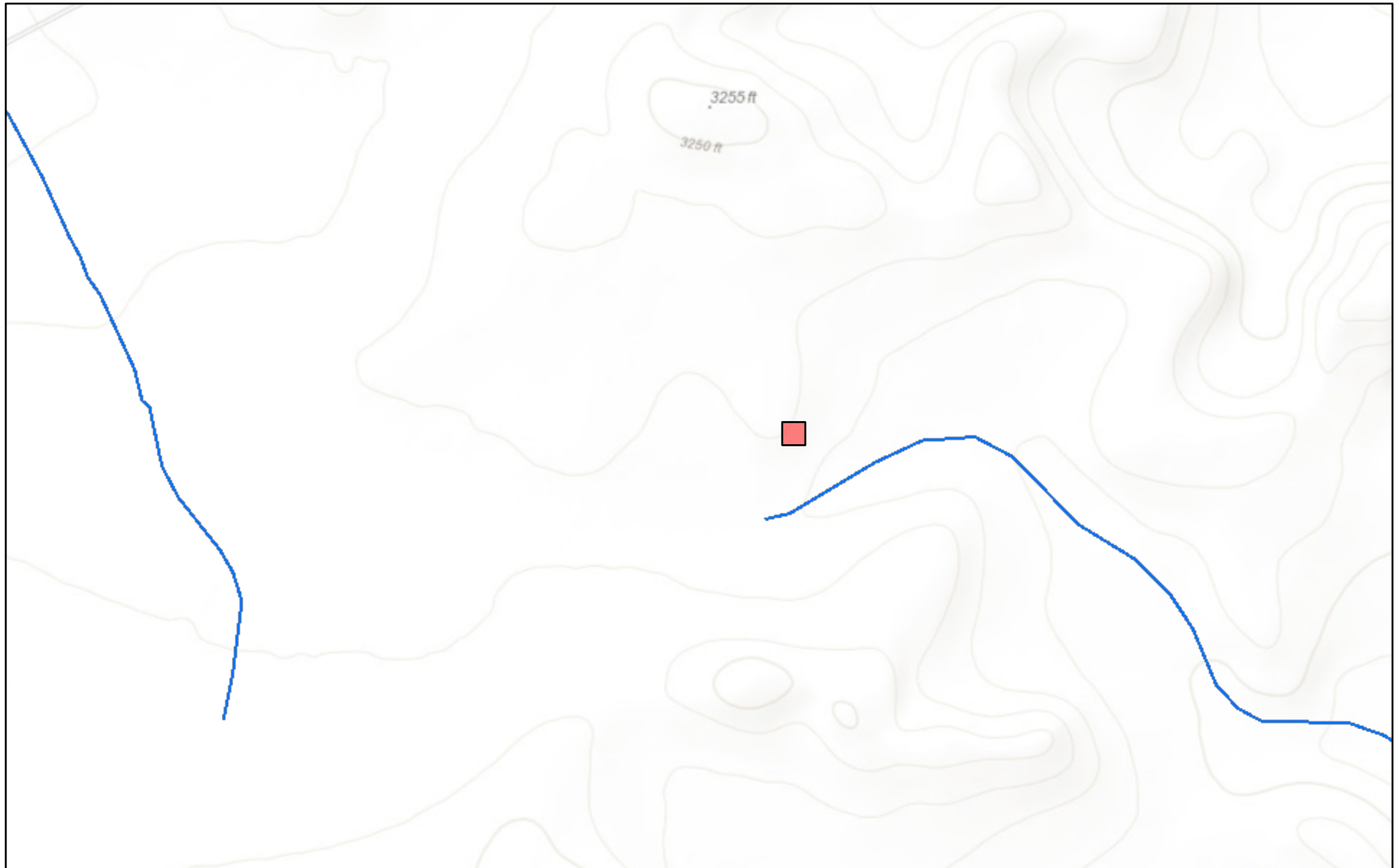
\*UTM location was derived from PLSS - see Help

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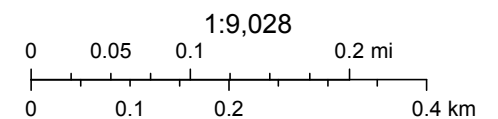
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POINT OF DIVERSION SUMMARY

# New Mexico NFHL Data



September 14, 2023



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**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**

CONDITIONS

Action 262794

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 262794
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	10/4/2023