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	nAPP2321226989
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 msanjari@marathonoil.com	Incident # *(assigned by OCD)*
Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 8220	

Location of Release Source

Latitude 32.313848 Longitude -104.202477
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Cypress #001H	Site Type Oil & Gas Facility
Date Release Discovered: 7/31/2023	API# *(if applicable) 30-015-44046*

Unit Letter	Section	Township	Range	County
M	09	23S	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 24.6	Volume Recovered (bbls) 24.6
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
A slow leak from the water transfer pump seal resulted in the release of just under 25 bbl. of produced water within the lined, secondary containment. The pump was isolated for repairs and as there wasn't enough depth for the standing fluid to be recovered by a truck, the containment was pressure washed and all fluid recovered.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Melodie Sanjari Title: Environmental Professional

Signature: Melodie Sanjari Date: 8/3/2023

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2321226989
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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: Enviro, OCD, EMNRD
Subject: Marathon Oil Company - 48 Hour Notice - nAPP2321226989
Date: Thursday, August 3, 2023 11:24:00 AM
Attachments: image001.jpg

Good Morning,

Please let this email serve as the required 48 hour notice for a liner integrity inspection to take place at the Cypress 1H facility to close out incident nAPP2321226989, this coming Monday, August 7th.

Thank you

Melodie Sanjari
Environmental Professional
Permian & Oklahoma
575-988-8753

Liner Integrity Inspection (Photos Attached)

Date: 8/7

Facility: Cypress 1H

48 Hour Notification Given On: 8/3

Responsible party has visually inspected the liner (Y)/N

Liner remains intact (Y)/N

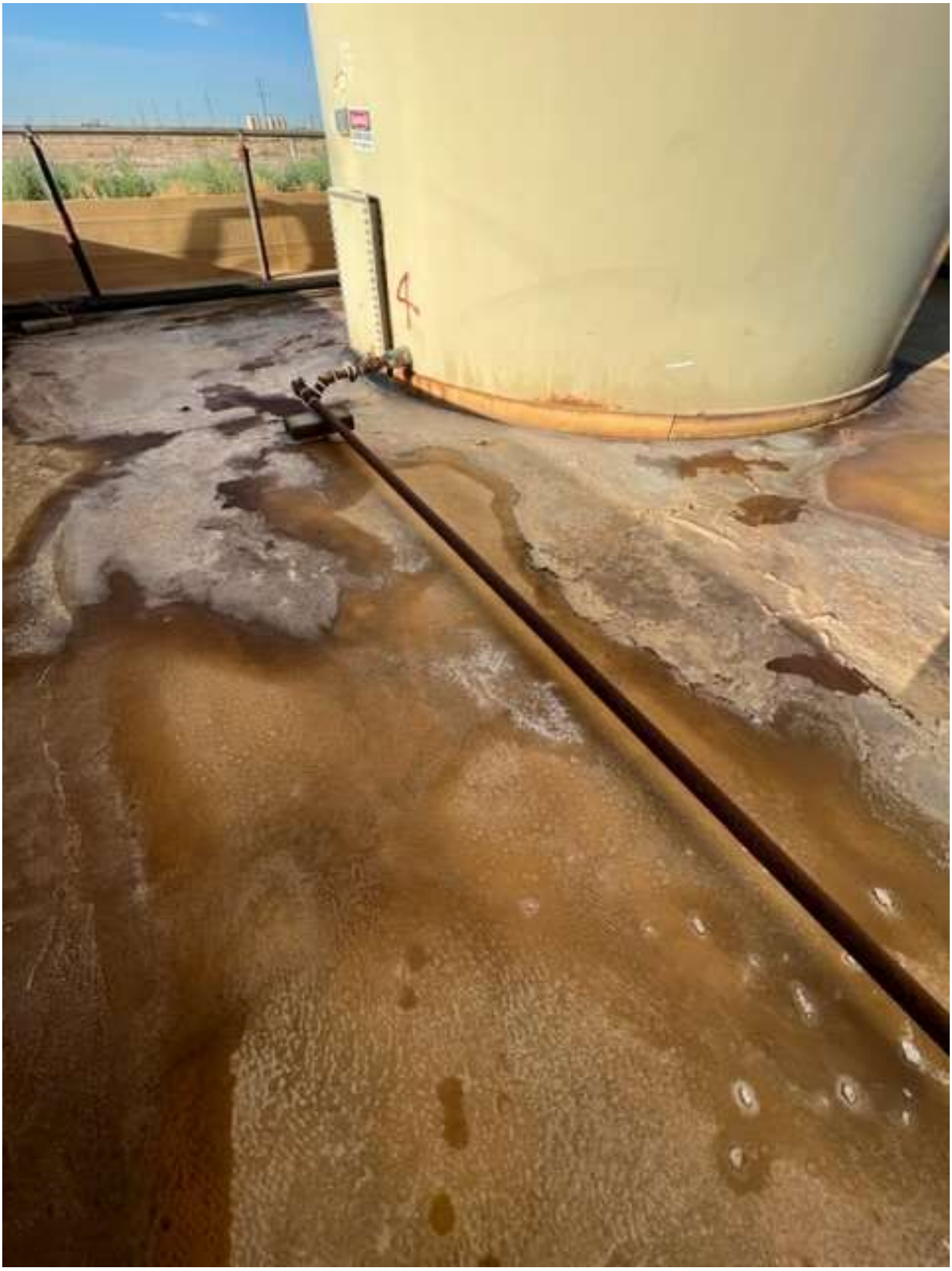
Liner had the ability to contain the leak in question: (Y)/N

Notes:

- no failures noted/found.
- pre/post photos.

Company Representative(s)

Melodie Sanjari



SECONDARY CONTAINMENT MAP MARATHON OIL COMPANY CYPRESS #001H EDDY COUNTY, NEW MEXICO 32.32.3138487°, -104.202477°	CARMONA RESOURCES	FIGURE 1

Nearest Water Well

Marathon Oil Permian LLC

Medium Karst

Marathon Oil Permian LLC

Legend

- Cypress #001H (07.31.2023)
- High
- Medium

Schooner Rd

Cypress #001H (07.31.2023)

Sterling 6

Google Earth

N

1000 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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04044 POD1		CUB	ED	3	2	3	09	23S	27E	575504	3575907	590	290	150	140
C 00195		CUB	ED	4	1	4	09	23S	27E	576069	3575827*	1047	128	83	45
C 04581 POD1		C	ED	3	1	1	09	23S	27E	575167	3576589	1090	165	109	56
C 04429 POD1		C	ED	4	4	1	08	23S	27E	574102	3576270	1237	400	350	50
C 00420	C	CUB	ED		4	2	09	23S	27E	576370	3576337*	1542	2151		
C 00323		C	ED		4	4	05	23S	27E	574750	3577122*	1650	200		
C 02711		C	ED		4	4	05	23S	27E	574750	3577122*	1650	170	75	95
C 03020		C	ED		4	4	05	23S	27E	574750	3577122*	1650	176	135	41
C 01071		C	ED			1	08	23S	27E	573751	3576499*	1655	279	95	184
C 02191		C	ED			1	08	23S	27E	573751	3576499*	1655	252	75	177
C 03799 POD1		C	ED	1	3	3	04	23S	27E	574981	3577170	1669	200	51	149
C 00109 CLW203096	O	CUB	ED	1	3	3	04	23S	27E	575051	3577226*	1723	260		
C 03892 POD1		C	ED	1	2	1	08	23S	27E	573846	3576764	1759	148	54	94
C 00068 CLW193190	O	CUB	ED	3	3	1	10	23S	27E	576673	3576241*	1762	175		
C 02510		C	ED	1	2	1	08	23S	27E	573848	3576806*	1788	350	350	0
C 01618		C	ED	4	4	4	07	23S	27E	573252	3575384*	1824	250		
C 00508 CLW225089	O	CUB	ED	4	1	3	10	23S	27E	576877	3575839*	1835	234	28	206
C 00068		CUB	ED	1	3	1	10	23S	27E	576673	3576441*	1854	175		
C 03653 POD1		C	ED	2	4	4	05	23S	27E	574757	3577331	1855	220	180	40
C 00508 S		CUB	ED	2	1	3	10	23S	27E	576877	3576039*	1881	234	28	206
C 02710		C	ED			4	05	23S	27E	574550	3577318*	1888	200	72	128

***UTM location was derived from PLSS - see Help**

Average Depth to Water: **122 feet**

Minimum Depth: **28 feet**

Maximum Depth: **350 feet**

Record Count: 21

UTMNAD83 Radius Search (in meters):

Easting (X): 575073 **Northing (Y):** 3575503 **Radius:** 2000

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)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 04044 POD1	3	2	3	09	23S	27E	575504	3575907

Driller License: 331 **Driller Company:** SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.

Driller Name:

Drill Start Date: 04/21/2017 **Drill Finish Date:** 04/22/2017 **Plug Date:**

Log File Date: 05/16/2017 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 8.60 **Depth Well:** 290 feet **Depth Water:** 150 feet

Water Bearing Stratifications:

Top	Bottom	Description
100	290	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
150	290

Meter Number: 18408 **Meter Make:** OCTAVE

Meter Serial Number: 16-3-026520 **Meter Multiplier:** 100.0000

Number of Dials: 9 **Meter Type:** Diversion

Unit of Measure: Gallons **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:** Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
11/29/2019	2019	3057884	A	RPT		0	

**YTD Meter Amounts:	Year	Amount
	2019	0

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	C 00195	4	1	4	09	23S	27E	576069	3575827*

Driller License:		**Driller Company:**			
Driller Name:	FRANK GENTRY				
Drill Start Date:		**Drill Finish Date:**	12/31/1936	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**	10/16/1950	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	1500 GPM
Casing Size:	10.00	**Depth Well:**	128 feet	**Depth Water:**	83 feet

***UTM location was derived from PLSS - see Help**

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)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
20FAE	C 04581 POD1	3	1	1	09	23S	27E	575167	3576589

Driller License:	1753	**Driller Company:**	VANGUARD WELL RESOURCES, LLC		
Driller Name:	JACOB FRIESSEN				
Drill Start Date:	11/18/2021	**Drill Finish Date:**	11/22/2021	**Plug Date:**	
Log File Date:	12/02/2021	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	1 GPM
Casing Size:	5.00	**Depth Well:**	165 feet	**Depth Water:**	109 feet

Water Bearing Stratifications:	Top	Bottom	Description
	109	125	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	125	165

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)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
2242D	C 04429 POD1	4	4	1	08	23S	27E	574102	3576270

Driller License: 1753 **Driller Company:** VANGUARD WELL RESOURCES, LLC

Driller Name: FRIESSEN, JACOBONTEE.NER

Drill Start Date: 04/27/2020 **Drill Finish Date:** 05/04/2020 **Plug Date:**

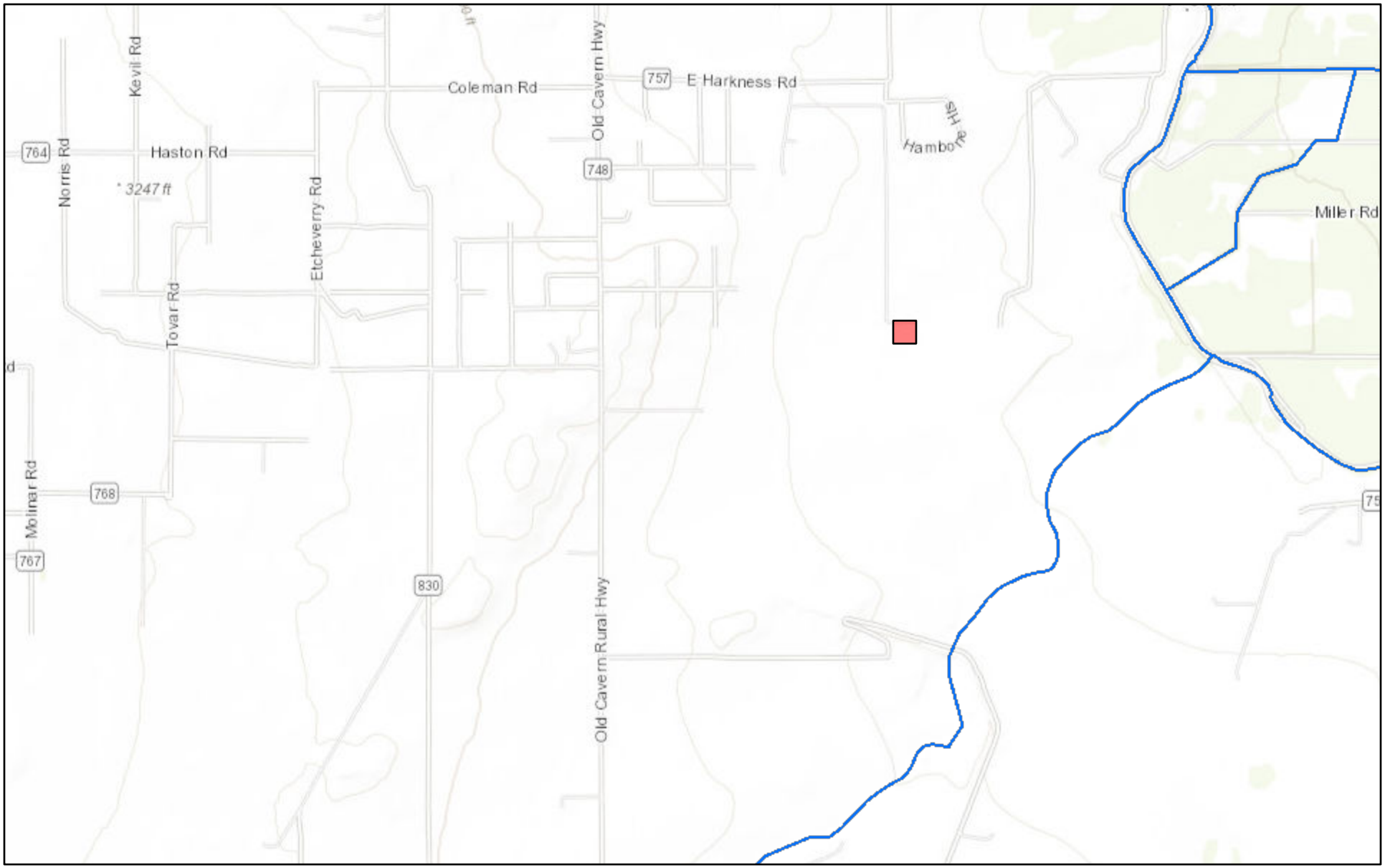
Log File Date: 08/24/2020 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 5.00 **Depth Well:** 400 feet **Depth Water:** 350 feet

Casing Perforations:	Top	Bottom
	320	400

New Mexico NFHL Data



September 14, 2023

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

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

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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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 262802

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 262802
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

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