CARMONA RESOURCES

SITE INFORMATION

Closure Report
CASS 16 STATE 234 TB
Incident ID: NAPP2331464718
Unit E Sec 16 T23S R27E
32.3065857°, -104.2022462°
Eddy County, New Mexico

Produced Water Release
Point of Release: Pinhole on a 90° fitting on the water line inside the secondary containment
Release Date: 11.10.23
Volume Released: 21.47 Barrels of Produced Water
Volume Recovered: 21.47 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

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

TABLE OF CONTENTS

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

November 20, 2023

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

Re: Closure Report
CASS 16 STATE 234 TB
Marathon Oil Corporation
Incident ID: NAPP2331464718
Site Location: Unit E, S16, T23S, R27E
(Lat 32.3065857º, Long -104.2022462°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Marathon Oil Corporation, Carmona Resources, LLC has prepared this letter to document the Cass 16 State 234 TB site activities. The site is located at 32.3065857°, -104.2022462° within Unit E, S16, T23S, R27E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the incident was discovered on November 10, 2023, due to a pinhole on a 90° fitting on the water line inside the secondary containment. The incident released approximately twenty-one point four seven (21.47) barrels of produced water, with twenty-one point four seven (21.47) barrels of produced water recovered. All fluids were contained within the lined facility. See Figure 3. The initial C-141 form is attached in Appendix B.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest well is located approximately 0.80 miles northeast of the site in S09, T23S, R27E and was drilled in 2017. The well has a reported groundwater depth of 150' 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

On November 21, 2023, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility. Prior to the liner inspection, the NMOCD division office was notified via email on November 17, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix B. Carmona

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

Resources, LLC personnel inspected the liner visually and found it to be intact with no integrity issues. Refer to the Photolog.

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

Clinton Merritt
Sr. Project Manager

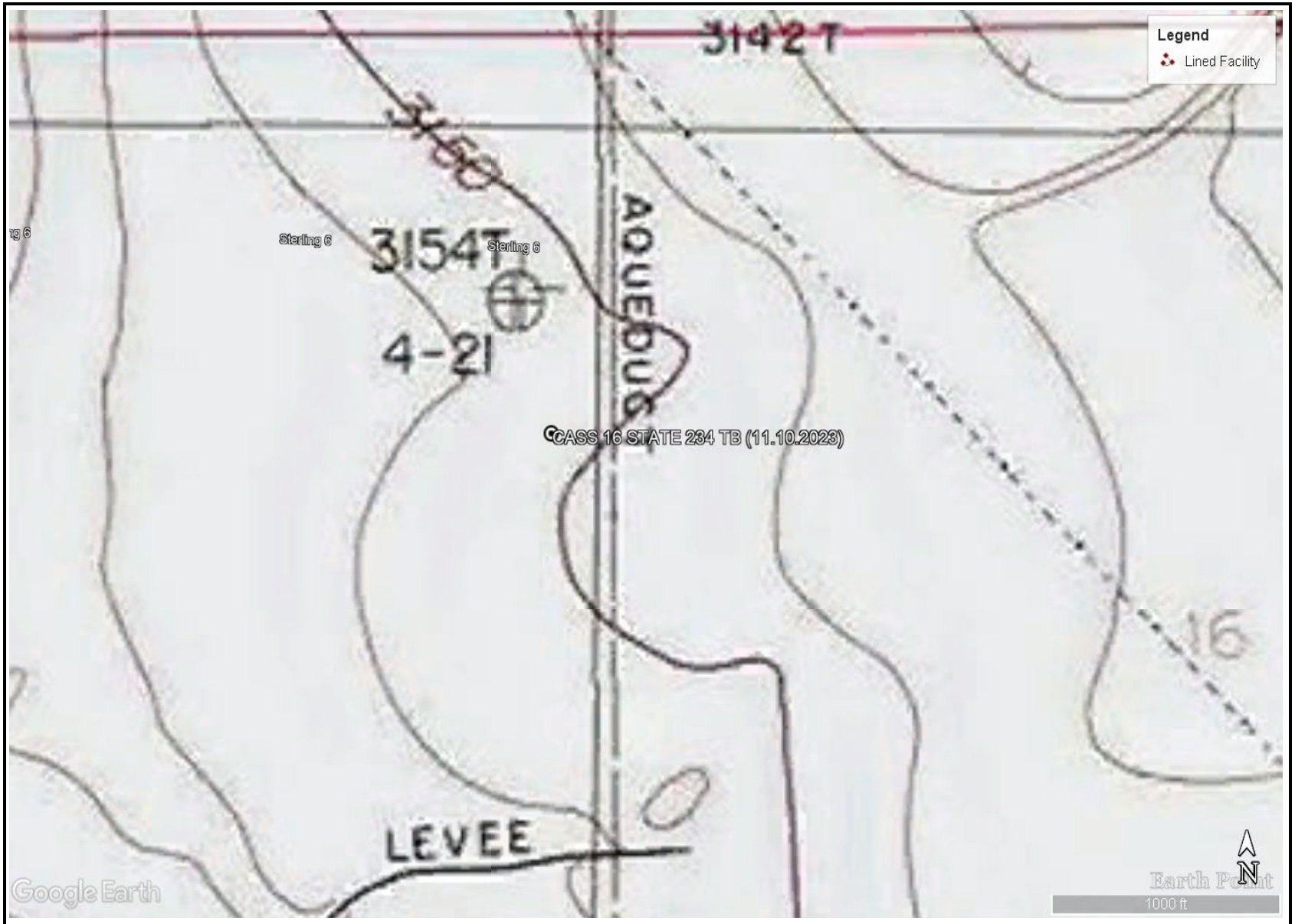
Ashton Thielke
Sr. Project Manager

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

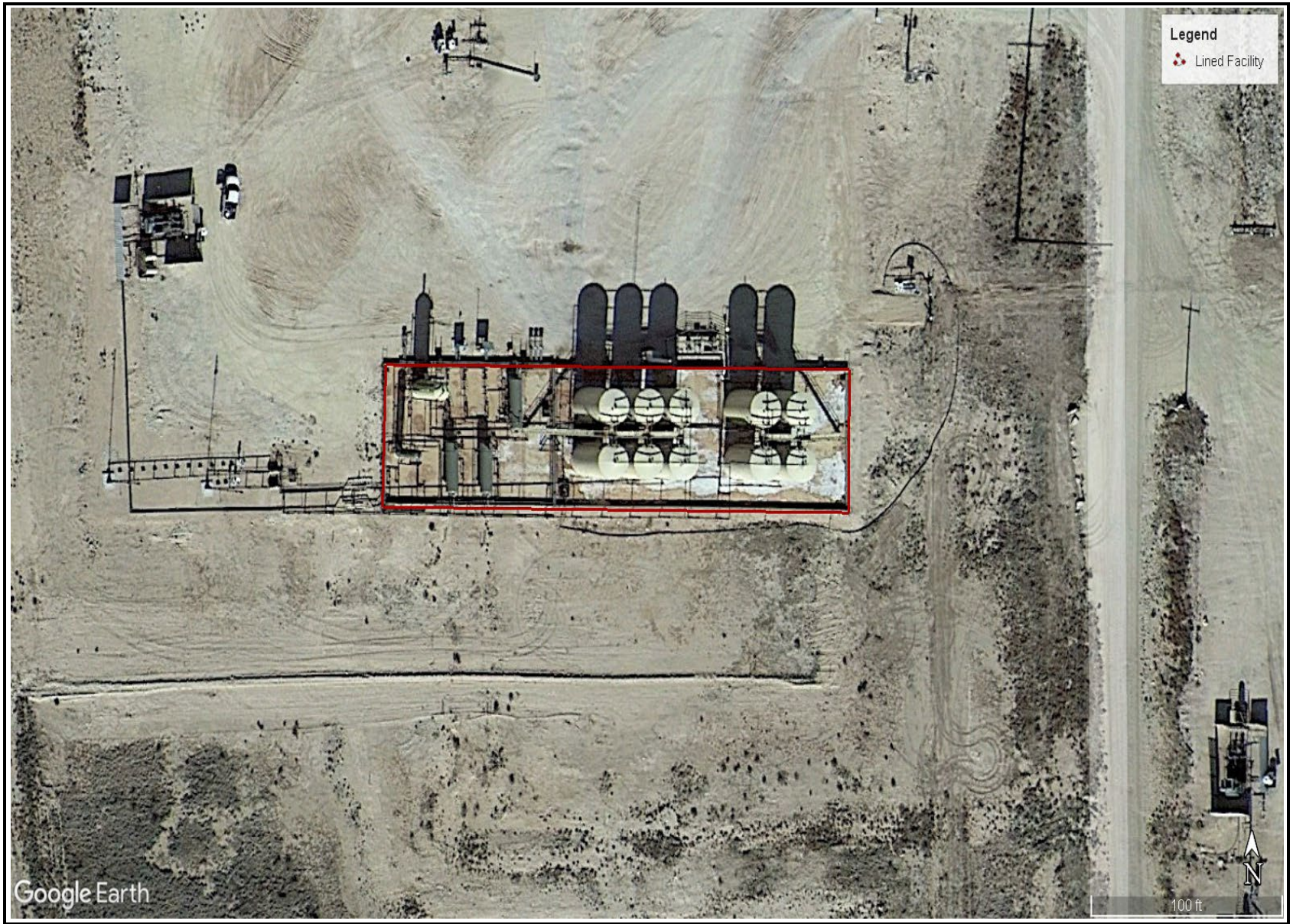
FIGURES

CARMONA RESOURCES

OVERVIEW MAP MARATHON OIL CORPORATION CASS 16 STATE 234 TB EDDY COUNTY, NEW MEXICO 32.3065857°, -104.2022462°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP MARATHON OIL CORPORATION CASS 16 STATE 234 TB EDDY COUNTY, NEW MEXICO 32.3065857°, -104.2022462°	CARMONA RESOURCES	FIGURE 2



SECONDARY CONTAINMENT MAP MARATHON OIL CORPORATION CASS 16 STATE 234 TB EDDY COUNTY, NEW MEXICO 32.3065857°, -104.2022462°	CARMONA RESOURCES	FIGURE 3

APPENDIX A

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 1

Facility: CASS 16 State 234 TB

County: Eddy County, New Mexico

Description:
View South, facility signage.

Photograph No. 2

Facility: CASS 16 State 234 TB

County: Eddy County, New Mexico

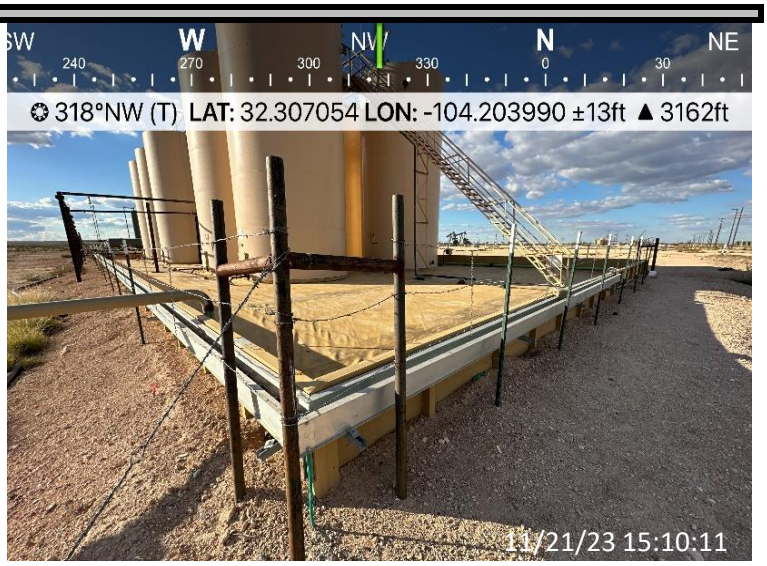
Description:
View Southwest, area of lined facility.

Photograph No. 3

Facility: CASS 16 State 234 TB

County: Eddy County, New Mexico

Description:
View Northwest, area of lined facility.



PHOTOGRAPHIC LOG

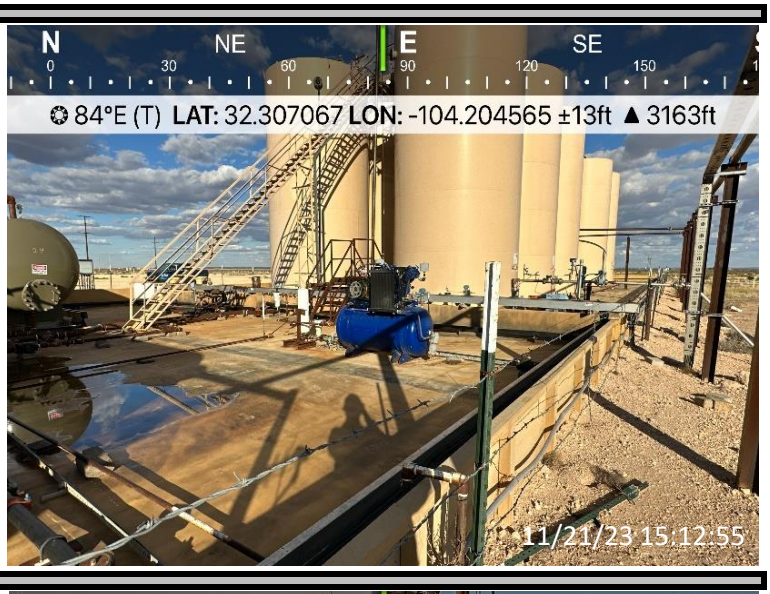
Marathon Oil Corporation

Photograph No. 4

Facility: CASS 16 State 234 TB

County: Eddy County, New Mexico

Description:
View East, area of lined facility.



Photograph No. 5

Facility: CASS 16 State 234 TB

County: Eddy County, New Mexico

Description:
View NOrth, area of lined facility.

Photograph No. 6

Facility: CASS 16 State 234 TB

County: Eddy County, New Mexico

Description:
View East, area of lined facility.

PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 7

Facility: CASS 16 State 234 TB

County: Eddy County, New Mexico

Description:
View Southwest, area of lined facility.

Photograph No. 8

Facility: CASS 16 State 234 TB

County: Eddy County, New Mexico

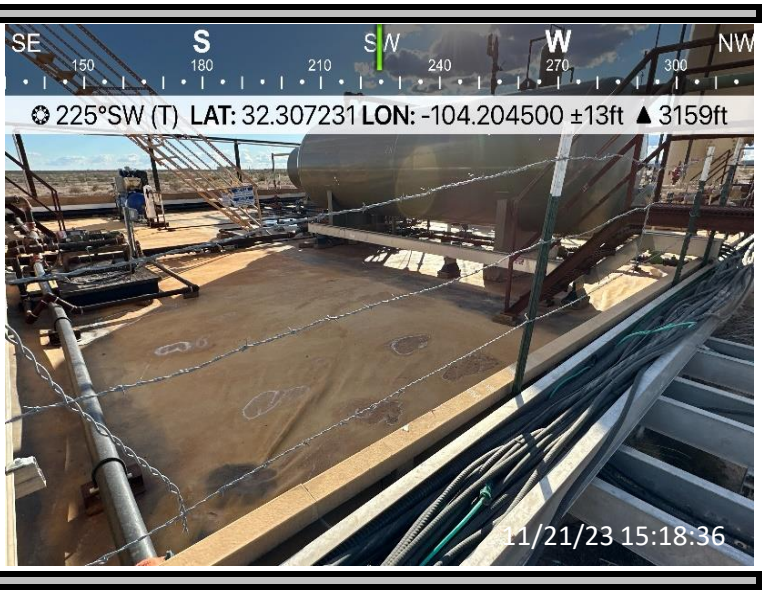
Description:
View Southeast, area of lined facility.

Photograph No. 9

Facility: CASS 16 State 234 TB

County: Eddy County, New Mexico

Description:
View Southwest, area of lined facility.



APPENDIX B

CARMONA RESOURCES

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	nAPP2331464718
District RP	
Facility ID	fAPP2125249869
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 32.3065857, Longitude -104.2022462
(NAD 83 in decimal degrees to 5 decimal places)

Site Name CASS 16 STATE 234 TB	Site Type Oil & Gas Tank Battery
Date Release Discovered: 11/10/23	Facility ID#fAPP2125249869

Unit Letter	Section	Township	Range	County
E	16	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) 21.47	Volume Recovered (bbls) 21.47
	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 pinhole on a 90 from the water line resulted in the release of approx. 21.47 bbl. of produced water inside of the lined, secondary containment. The source was isolated for repairs and the fluid was recovered in tandem to the pressure washing of the containment as it was too shallow to be recovered by truck. A notice will be sent out prior to a liner integrity inspection.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2331464718
District RP	
Facility ID	fAPP2125249869
Application ID	

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)? NOR submitted 11/10/23	

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: 11/16/23

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

OCD Only

Received by: _____ Date: _____

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	65	89	0.25		21.47	21.47	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					0.00	0.00	0.00
Vessel Displacement					0.00	0.00	0.00
				Liquid Volume:	**21.47**	**21.47**	**0.00**

Saturated Soil Inputs: Soil Type: Gravel or Sand

	Length (ft.)	Width (ft.)	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
Rectangle Area #7					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):	21.47	21.47	0.00
Total Spill Volume (gals):	901.56	901.56	0.00

Comments:

Color Key:	Required Input Cells	Supplemental Input Cells	No Input (Calculations)	No Input

Ground/Vegetation Overspray

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

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	_____ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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: _____ Title: _____

Signature:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: _____ Date: _____

Printed Name: _____ Title: _____

From: Wells, Shelly, EMNRD
Sent: Friday, November 17, 2023 10:44 AM
To: Clint Merritt
Cc: Melodie Sanjari; Castro, Isaac (MRO); Mike Carmona; Conner Moehring; Devin Dominguez; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] CASS 16 STATE 234 TB Liner Inspection Notification

Hi Clinton,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Clint Merritt <MerrittC@carmonaresources.com>
Sent: Friday, November 17, 2023 9:31 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Melodie Sanjari <msanjari@marathonoil.com>; Castro, Isaac (MRO) <icastro@marathonoil.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Conner Moehring <Cmoehring@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>
Subject: [EXTERNAL] CASS 16 STATE 234 TB Liner Inspection Notification

Good Morning,

On behalf of Marathon Oil, Carmona Resources will conduct a liner inspection at the below-referenced site on **11/21/23 around 1:00 PM. Mountain Time**. Please let me know if you have any questions.

CASS 16 STATE 234 TB
Incident ID: nAPP2331464718
Eddy County, New Mexico

Clinton Merritt
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-9044
MerrittC@carmonaresources.com

CARMONA RESOURCES

APPENDIX C

CARMONA RESOURCES

Nearest Water Well

Marathon Oil Permian LLC

350' - Drilled 2020

150' - Drilled 2017

83' - Drilled 1936

CASS 16 STATE 234 TB (11.10.2023)

Legend

- 0.50 Mile Radius
- 0.80 Miles
- 0.93 Miles
- 1.16 Miles
- CASS 16 STATE 234 TB (11.10.2023)
- NMSEO Water Well

Google Earth

4000 ft

N

High Karst

Marathon Oil Permian LLC

Legend

- CASS 16 STATE 234 TB (11.10.2023)
- High
- Medium

CASS 16 STATE 234 TB (11.10.2023)

N

4000 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	1274	290	150	140
C 00195		CUB	ED	4	1	4	09	23S	27E	576069	3575827*	1487	128	83	45
C 04429 POD1		C	ED	4	4	1	08	23S	27E	574102	3576270	1863	400	350	50
C 04581 POD1		C	ED	3	1	1	09	23S	27E	575167	3576589	1892	165	109	56
C 01261		CUB	ED				21	23S	27E	575780	3572889*	1932	250		
C 01618		C	ED	4	4	4	07	23S	27E	573252	3575384*	1972	250		
C 00420	C	CUB	ED		4	2	09	23S	27E	576370	3576337*	2072	2151		
C 00508 CLW225089	O	CUB	ED	4	1	3	10	23S	27E	576877	3575839*	2110	234	28	206
C 00623		C	ED		2	1	15	23S	27E	577189	3575142*	2134	200		
C 03005		C	ED	3	4	4	07	23S	27E	573052	3575384*	2160	140	100	40
C 00068 CLW193190	O	CUB	ED	3	3	1	10	23S	27E	576673	3576241*	2202	175		
C 00508 S		CUB	ED	2	1	3	10	23S	27E	576877	3576039*	2225	234	28	206
C 01071		C	ED			1	08	23S	27E	573751	3576499*	2250	279	95	184
C 02191		C	ED			1	08	23S	27E	573751	3576499*	2250	252	75	177
C 00187		C	ED	1	1	4	15	23S	27E	577380	3574509	2287	210	125	85
C 01632		C	ED	3	2	4	07	23S	27E	573050	3575789*	2323	162	100	62
C 01632 CLW197648	O	C	ED	3	2	4	07	23S	27E	573050	3575789*	2323	162	100	62
C 01632 POD2		C	ED	3	2	4	07	23S	27E	573050	3575789*	2323	173	100	73
C 00068		CUB	ED	1	3	1	10	23S	27E	576673	3576441*	2347	175		
C 03892 POD1		C	ED	1	2	1	08	23S	27E	573846	3576764	2417	148	54	94
C 00323		C	ED		4	4	05	23S	27E	574750	3577122*	2449	200		
C 02711		C	ED		4	4	05	23S	27E	574750	3577122*	2449	170	75	95
C 03020		C	ED		4	4	05	23S	27E	574750	3577122*	2449	176	135	41
C 02510		C	ED	1	2	1	08	23S	27E	573848	3576806*	2452	350	350	0
C 03799 POD1		C	ED	1	3	3	04	23S	27E	574981	3577170	2475	200	51	149

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

(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 Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column

Average Depth to Water: **117 feet**

Minimum Depth: **28 feet**

Maximum Depth: **350 feet**

Record Count: 25

UTMNAD83 Radius Search (in meters):

Easting (X): 575101 **Northing (Y):** 3574698 **Radius:** 2500

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
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:**

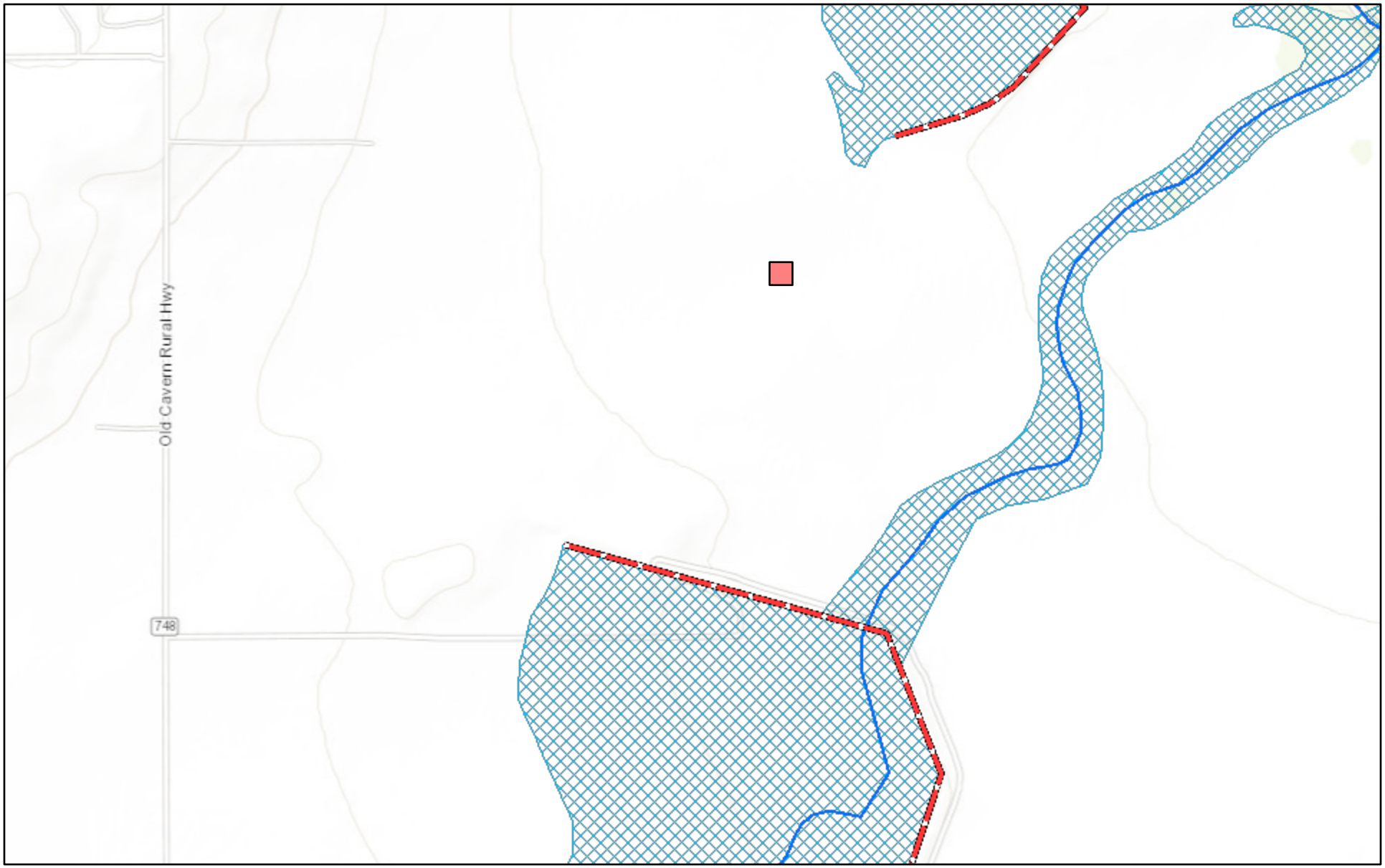
Log File Date: 08/24/2020 **PCW Rcv Date:** **Source:** Shallow

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



November 20, 2023

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 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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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 289835

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 289835
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	3/18/2024