



## SITE INFORMATION

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**Closure Report**  
**Mammoth Fed Com TB**  
**Incident ID: NAPP2328444194**  
**Unit N Sec 01 T26S R34E**  
**32.0663936°, -103.4273093°**  
**Lea County, New Mexico**

**Produced Water Release**  
**Point of Release: Water Tank Failure**  
**Release Date: 10.10.23**  
**Volume Released: 310 Barrels of Produced Water**  
**Volume Recovered: 310 Barrels of Produced Water**

**CARMONA RESOURCES**



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

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



October 27, 2023

New Mexico Oil Conservation Division  
1220 South St, Francis Drive  
Santa Fe, NM 87505

**Re: Closure Report  
Mammoth Fed Com TB  
Marathon Oil Company  
Incident ID: NAPP2328444194  
Site Location: Unit N, S01, T26S, R34E  
(Lat 32.0663936°, Long -103.4273093°)  
Lea County, New Mexico**

To whom it may concern:

On behalf of Marathon Oil Company, Carmona Resources, LLC has prepared this letter to document site activities for the Mammoth Fed Com TB. The site is located at 32.0663936°, -103.4273093° within Unit N, S01, T26S, R34E, in Lea 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 October 10, 2023, due to a failure on the bottom of a water tank. The incident resulted in the release of approximately three hundred and ten (310) barrels of produced water, with three hundred and ten (310) barrels of produced water recovered. 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 low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest well is located approximately 2.05 miles east of the site in S05, T26S, R35E and was drilled in 2022. The well has a reported groundwater depth of 101 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 October 24, 2023, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility. Before performing the liner inspection, the NMOCD division office was notified via email on October 20, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix B. Carmona Resources, LLC personnel inspected the liner visually, and found the liner 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 COG formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**



Mike Carmona  
Environmental Manager



Devin Dominguez  
Sr. Project Manager

# FIGURES

CARMONA RESOURCES





Legend  
★ Site Location

Site Location ★

Google Earth

Image © 2023 Airbus

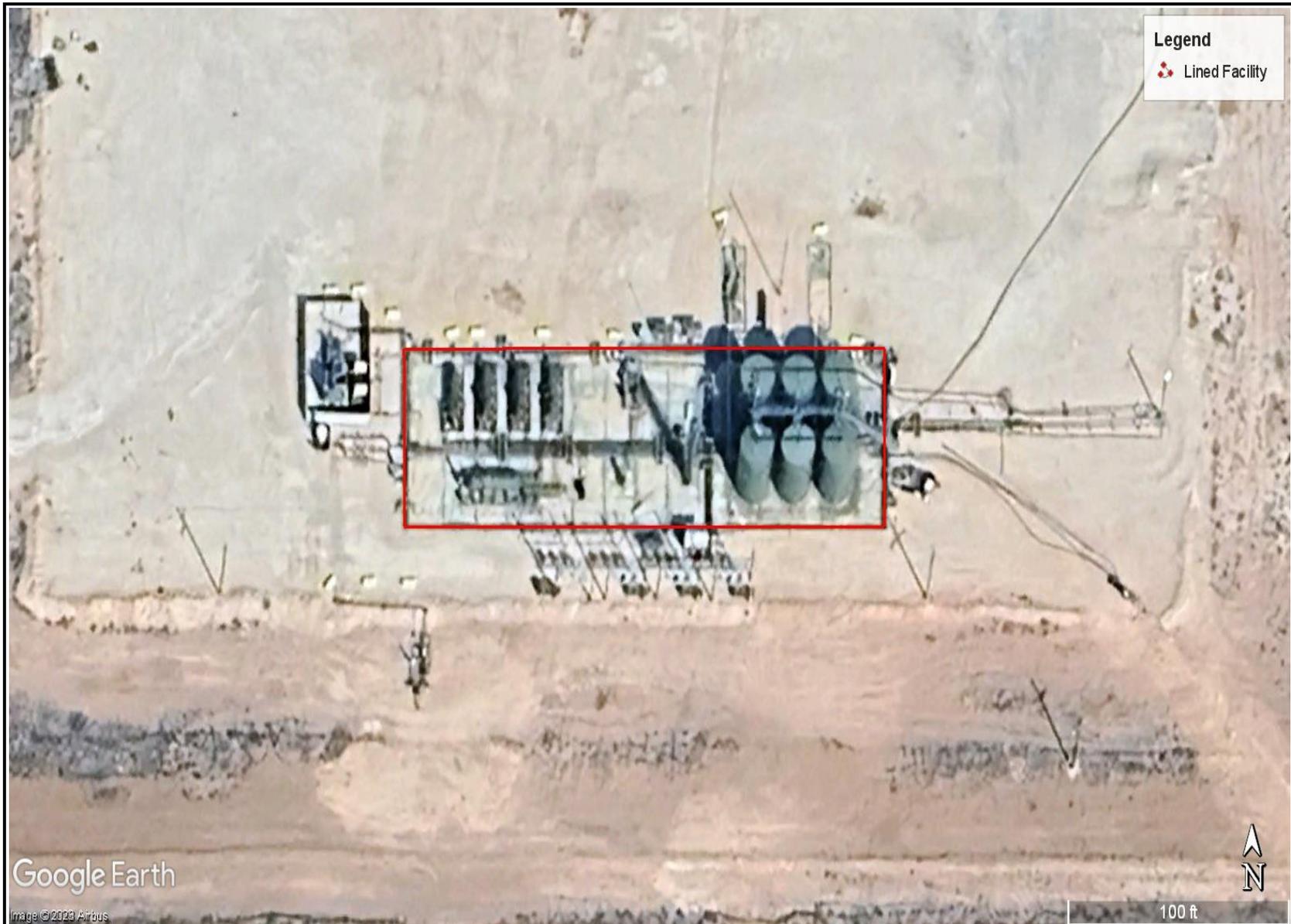
<p>OVERVIEW MAP MARATHON OIL COMPANY MAMMOTH FED COM TB LEA COUNTY, NEW MEXICO 32.0663936°, -103.4273093°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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TOPOGRAPHIC MAP  
MARATHON OIL COMPANY  
MAMMOTH FED COM TB  
LEA COUNTY, NEW MEXICO  
32.0663936°, -103.4273093°



FIGURE 2



<p>SECONDARY CONTAINMENT MAP MARATHON OIL COMPANY MAMMOTH FED COM TB LEA COUNTY, NEW MEXICO 32.0663936°, -103.4273093°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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# APPENDIX A

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

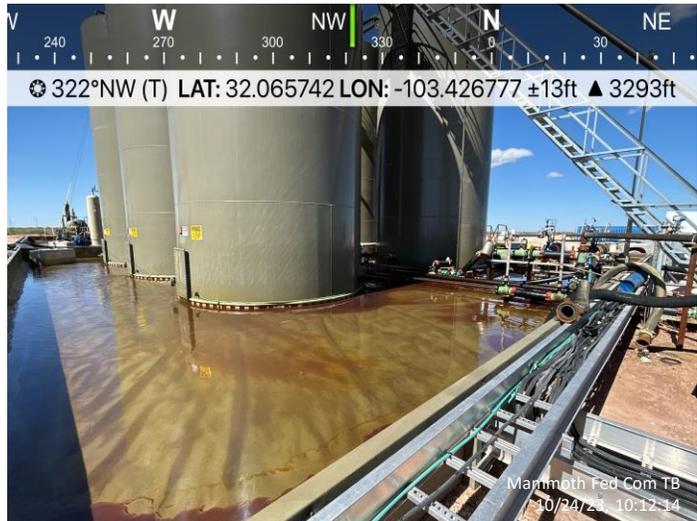
## Marathon Oil Company

### Photograph No. 1

**Facility:** Mammoth Fed Com TB

**County:** Lea County, New Mexico

**Description:**  
View Northwest, area of tank batteries.



### Photograph No. 2

**Facility:** Mammoth Fed Com TB

**County:** Lea County, New Mexico

**Description:**  
View East, area of separators.

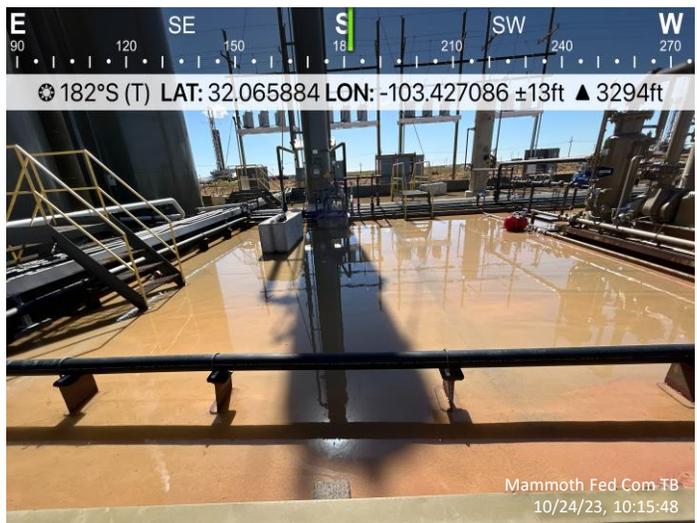


### Photograph No. 3

**Facility:** Mammoth Fed Com TB

**County:** Lea County, New Mexico

**Description:**  
View South, area of lined facility.



# PHOTOGRAPHIC LOG

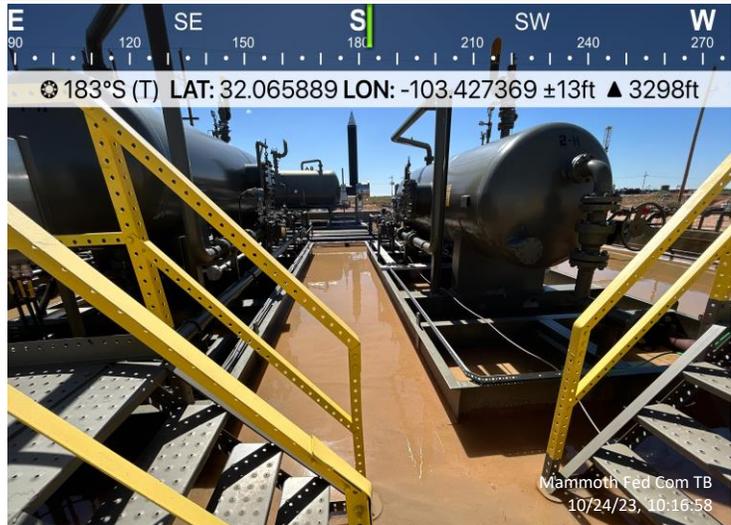
## Marathon Oil Company

### Photograph No. 4

**Facility:** Mammoth Fed Com TB

**County:** Lea County, New Mexico

**Description:**  
View South, area between separators.

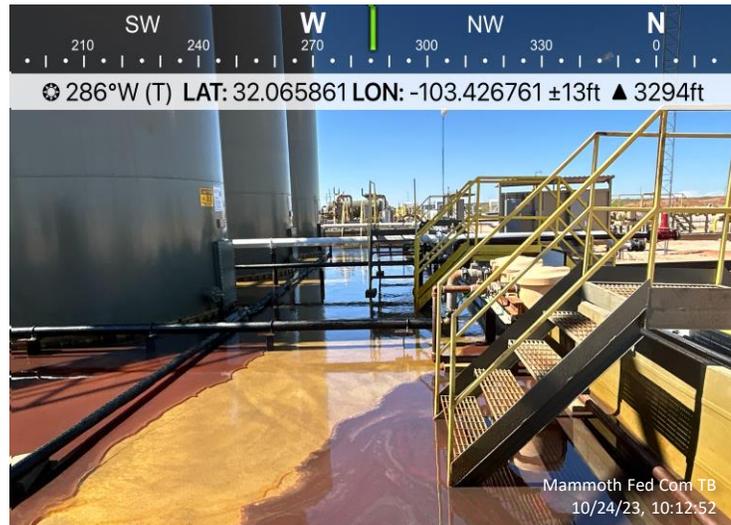


### Photograph No. 5

**Facility:** Mammoth Fed Com TB

**County:** Lea County, New Mexico

**Description:**  
View West, area of tank batteries.



### Photograph No. 6

**Facility:** Mammoth Fed Com TB

**County:** Lea County, New Mexico

**Description:**  
View Northwest, area of separators.



## 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	nAPP2328444194
District RP	
Facility ID	fAPP2228624278
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 32.0663936 Longitude -103.4273093  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name MAMMOTH FED COM TB	Site Type Oil & Gas Facility
Date Release Discovered: 10/10/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
N	01	26S	34E	Lea

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) 310	Volume Recovered (bbls) 310
	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

A failure on the bottom of a water tank resulted in the release of produced water within the lined, secondary containment. When enough standing fluid was able to be recovered, the source was found and the tank was pulled down. A notice will be sent out prior to a liner integrity inspection.

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2328444194
District RP	
Facility ID	fAPP2228624278
Application ID	

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 – NOR and email to BLM send 10/11/23 by Melodie Sanjari.	

### 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>10/18/23</u>
email: <u>msanjari@marathonoil.com</u>	Telephone: <u>575-988-8753</u>
<b>OCD Only</b>  Received by: <u>Shelly Wells</u> Date: <u>10/18/2023</u>	

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*Marathon 0.1*

TICKET NUMBER	<i>11358</i>	DATE	<i>10/11</i>
API NUMBER		ORDERED BY	

DELIVERED FROM: <i>Mammoth</i>	TO: <i>NGL Sidewinder</i>
LOCATION LEASE: <i>Mammoth</i>	<input type="radio"/> RIG <input type="radio"/> BATTERY <input type="radio"/> COMPLETION <input type="radio"/> FLOW BACK

TRUCK OR UNIT NO.: <i>3948</i>	AMOUNT HAULED: <i>125 bbls</i>	START TIME: <i>8:00</i>	<input checked="" type="radio"/> A.M. <input type="radio"/> P.M.	END TIME:	<input type="radio"/> A.M. <input type="radio"/> P.M.
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DESCRIPTION	RATE		AMOUNT
	HR.	BBL.	
<i>Hauling 125 bbls of FW</i>			

SUB TOTAL	
TAX	
TOTAL	

## JOB SAFETY ANALYSIS

### HAZARDS AND CONTROLS (Check Those That Apply:)

- Falling Hazards:** Head Protection (Hard Hat) Feet (Steel Toe Boots).
- Airborne Particulates:** Safety Glasses.
- Hand Protection:** Work Gloves.
- H2S / Gases LEL:** H2S Monitor
- Fire Hazard:** Clothing (FR), Fire Extinguisher on Truck/Trailer and Location.
- Hearing Protection:** Ear Plugs (if Posted on Location or Noisy Area).
- Slip or Trip Hazards:** Maintain a clean work area before and during work activity. (Steel Toe Boots).
- Poor illumination:** Ensure lighting on trailer is operable and sufficient to work safety.
- Working Outside:** Potential hazards include animals, snakes, insects and severe weather.
- Thermal Stress:** (Heat or Cold Stress) modify work hours, stay hydrated. Cold days - sufficient clothing.

New or Other Hazards	Name(s) of person(s) present

*Paul Mate*  
 DRIVER PRINT NAME

COMPANY MAN PRINT NAME

*Paul Mate*  
 DRIVER SIGNATURE

COMPANY MAN SIGNATURE



1200 W Derrick Rd, Carlsbad, NM 88220

521574

BILL TO

Marathon Oil

TICKET NUMBER	11369	DATE	10/11
API NUMBER		ORDERED BY	

DELIVERED FROM: Mammoth	TO: NGL Sidewinder
LOCATION LEASE	<input type="radio"/> RIG <input type="radio"/> BATTERY <input type="radio"/> COMPLETION <input type="radio"/> FLOW BACK

TRUCK OR UNIT NO: 3948	AMOUNT HAULED: 12566's	START TIME: 12:30	<input checked="" type="radio"/> A.M. <input type="radio"/> P.M.	END TIME: 3:45	<input type="radio"/> A.M. <input checked="" type="radio"/> P.M.
DESCRIPTION: Hedge 12566's (W)		HR.	BBL.	RATE	AMOUNT

### JOB SAFETY ANALYSIS

SUB TOTAL	
TAX	
TOTAL	

### HAZARDS AND CONTROLS (Check Those That Apply:)

- Falling Hazards:** Head Protection (Hard Hat) Feet (Steel Toe Boots).
- Airborne Particulates:** Safety Glasses.
- Hand Protection:** Work Gloves.
- H2S / Gases LEL:** H2S Monitor
- Fire Hazard:** Clothing (FR), Fire Extinguisher on Truck/Trailer and Location.
- Hearing Protection:** Ear Plugs (if Posted on Location or Noisy Area).
- Slip or Trip Hazards:** Maintain a clean work area before and during work activity. (Steel Toe Boots).
- Poor illumination:** Ensure lighting on trailer is operable and sufficient to work safety.
- Working Outside:** Potential hazards include animals, snakes, insects and severe weather.
- Thermal Stress:** (Heat or Cold Stress) modify work hours, stay hydrated. Cold days - sufficient clothing.

New or Other Hazards	Name(s) of person(s) present

DRIVER PRINT NAME: [Signature]

DRIVER SIGNATURE: [Signature]

COMPANY MAN PRINT NAME

COMPANY MAN SIGNATURE



1200 W Derrick Rd, Carlsbad, NM 88220

521575

BILL TO

Marathon O. /

TICKET NUMBER	11379	DATE	10/1/13
API NUMBER		ORDERED BY	

DELIVERED FROM:	Mammoth	TO:	NG Sidewinder
LOCATION LEASE		<input type="radio"/> RIG	<input checked="" type="radio"/> BATTERY
TRUCK OR UNIT NO.:	394B	AMOUNT HAULED:	60 bbls
START TIME	6:00 AM	END TIME	
DESCRIPTION	Hauling 125 bbls PW	<input type="radio"/> HR.	<input type="radio"/> BBL.
		RATE	AMOUNT
		Hrs.	
		FW	
		B/W	
		P/W	
		CRI	

### JOB SAFETY ANALYSIS

SUB TOTAL	
TAX	
TOTAL	

### HAZARDS AND CONTROLS (Check Those That Apply:)

- Falling Hazards:** Head Protection (Hard Hat) Feet (Steel Toe Boots).
- Airborne Particulates:** Safety Glasses.
- Hand Protection:** Work Gloves.
- H2S / Gases LEL:** H2S Monitor
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- Working Outside:** Potential hazards include animals, snakes, insects and severe weather.
- Thermal Stress:** (Heat or Cold Stress) modify work hours, stay hydrated. Cold days - sufficient clothing.

New or Other Hazards	Name(s) of person(s) present

Paul H. [Signature]  
 DRIVER PRINT NAME  
 Paul H. [Signature]  
 DRIVER SIGNATURE

COMPANY MAN PRINT NAME  
 COMPANY MAN SIGNATURE

**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 276862

**CONDITIONS**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 276862
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	10/18/2023

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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> 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

Page 4

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: Scott Rodgers Date: 01/03/2023

Printed Name: Scott Rodgers \_\_\_\_\_ Title: Environmental Specialist Adv. \_\_\_\_\_

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**From:** Rodgers, Scott, EMNRD  
**Sent:** Friday, October 20, 2023 11:08 AM  
**To:** Clint Merritt; Velez, Nelson, EMNRD; Wells, Shelly, EMNRD; Bratcher, Michael, EMNRD  
**Cc:** Mike Carmona; Melodie Sanjari; Conner Moehring; Devin Dominguez  
**Subject:** RE: [EXTERNAL] Mammoth Fed Com CTB 48 Liner Inspection Notification

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.

**Scott Rodgers** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113  
505.469.1830 | [scott.rodgers@emnrd.nm.gov](mailto:scott.rodgers@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



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**From:** Clint Merritt <[MerrittC@carmonaresources.com](mailto:MerrittC@carmonaresources.com)>  
**Sent:** Friday, October 20, 2023 9:46 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Mike Carmona <[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)>; Melodie Sanjari <[mсанjari@marathonoil.com](mailto:mсанjari@marathonoil.com)>; Conner Moehring <[Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)>; Devin Dominguez <[Ddominguez@carmonaresources.com](mailto:Ddominguez@carmonaresources.com)>  
**Subject:** [EXTERNAL] Mammoth Fed Com CTB 48 Liner Inspection Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

On behalf of Marathon Oil, Carmona Resources will conduct a liner inspection at the below-referenced site on 10/24/23 around 10:00 AM. Mountain Time. Please let me know if you have any questions.

**Mammoth Fed Com CTB**  
**Incident ID: NAPP2328444194**  
**Lea County, New Mexico**

Clinton Merritt  
310 West Wall Street, Suite 500  
Midland TX, 79701

M: 432-813-9044

[MerrittC@carmonaresources.com](mailto:MerrittC@carmonaresources.com)

CARMONA RESOURCES



## APPENDIX C

CARMONA RESOURCES



# Nearest water well

Marathon Oil Permian LLC

## Legend

- 0.50 Mile Radius
- 2.05 Miles
- 2.69 Miles
- Mammoth Fed Com CTB (10.10.2023)
- NMSEO Water Well
- USGS Water Well

Mammoth Fed Com CTB (10.10.2023)

101' - Drilled 2022

198' - Drilled 1961



1 mi

# LOW Karst

Marathon Oil Permian LLC

## Legend

-  Low
-  Mammoth Fed Com CTB (10.10.2023)
-  Medium

Mammoth Fed Com CTB (10.10.2023) 





# 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	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 04601 POD1</a>	CUB	LE		3	4	3	05	26S	35E	651710	3548919	3260			

Average Depth to Water: --  
 Minimum Depth: --  
 Maximum Depth: --

**Record Count:** 1

**UTM NAD83 Radius Search (in meters):**

**Easting (X):** 648450

**Northing (Y):** 3548876

**Radius:** 4000

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.



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

OSE DTI APR 8 2022 PM 3:16

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO.		OSE FILE NO(S). C-4601	
	WELL OWNER NAME(S) Marathon Oil				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 4111 S Tidwell Rd.				CITY Carlsbad	STATE ZIP NM 88220
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 3	SECONDS 58	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LATITUDE	LONGITUDE		* DATUM REQUIRED: WGS 84	

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE  
SE SE Sw Sec. 05 T26S R35E

2. DRILLING & CASING INFORMATION	LICENSE NO. 1249	NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.			
	DRILLING STARTED 3/31/2022	DRILLING ENDED 3/31/2022	DEPTH OF COMPLETED WELL (FT) temporary well	BORE HOLE DEPTH (FT) ±100.8	DEPTH WATER FIRST ENCOUNTERED (FT) n/a			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 4/6/2022		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	100.8	±6.5	Boring	--	--	--	--

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				

FOR OSE INTERNAL USE

FILE NO. <b>C-4601-POD 1</b>	POD NO. <b>1</b>	TRN NO. <b>721041</b>
LOCATION <b>26.35.05.343</b>	WELL TAG ID NO. <b>---</b>	PAGE 1 OF 2



Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 721041  
File Nbr: C 04601  
Well File Nbr: C 04601 POD1

Apr. 08, 2022

MELODIE SANJARI  
MARATHON OIL  
4111 S TIDWELL RD  
CARLSBAD, NM 88220

Greetings:

The above numbered permit was issued in your name on 03/10/2022.

The Well Record was received in this office on 04/08/2022, stating that it had been completed on 03/31/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/10/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral".

Maret Amaral  
(575) 622-6521

drywell



2904 W 2nd St.  
Roswell, NM 88201  
voice: 575.624.2420  
fax: 575.624.2421  
www.atkinseng.com

08/016/2021

DII-NMOSE  
1900 W 2<sup>nd</sup> Street  
Roswell, NM 88201

*Hand Delivered to the DII Office of the State Engineer*

Re: Well Record C-4601 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4601 Pod1.

If you have any questions, please contact me at 575.499.9244 or [lucas@atkinseng.com](mailto:lucas@atkinseng.com).

Sincerely,

A handwritten signature in black ink that reads "Lucas Middleton". The signature is written in a cursive style.

Lucas Middleton

Enclosures: as noted above

OSE DII APR 8 2022 PM3:15

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
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Groundwater    New Mexico    GO

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Groundwater levels for New Mexico

Click to hide state-specific text

Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

Agency code = usgs  
 site\_no list = 

- 320150103235501

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

### USGS 320150103235501 26S.35E.19.142

Lea County, New Mexico  
 Latitude 32°01'53", Longitude 103°24'25" NAD27  
 Land-surface elevation 3,190 feet above NGVD29  
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source
1961-12-20			D 62610		2992.00	NGVD29	1	O	USGS	
1961-12-20			D 62611		2993.51	NAVD88	1	O	USGS	
1961-12-20			D 72019	198.00			1	O	USGS	

#### Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

9/17/23, 3:42 PM

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
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**Title: Groundwater for New Mexico: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

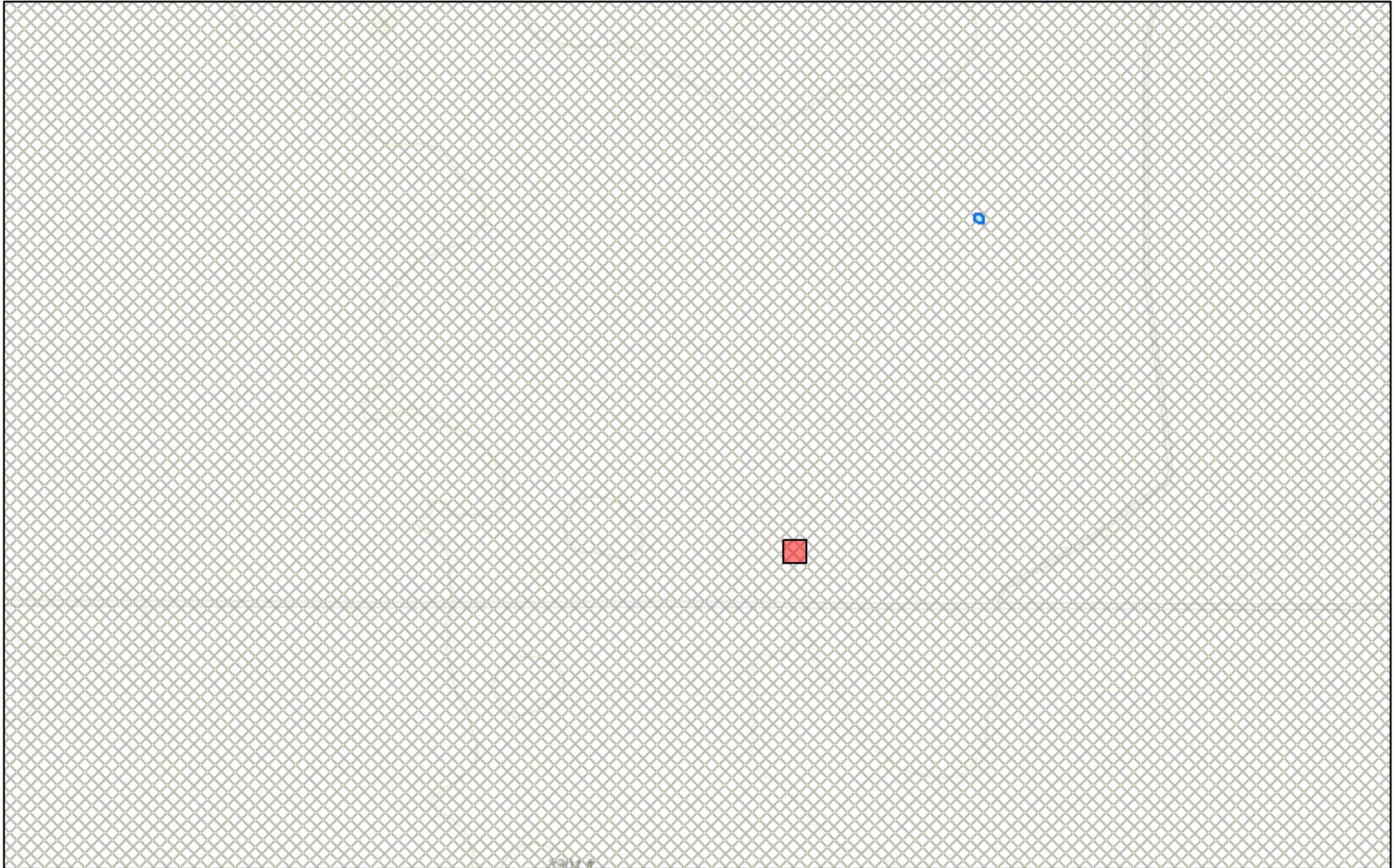


Page Contact Information: [New Mexico Water Data Maintainer](#)

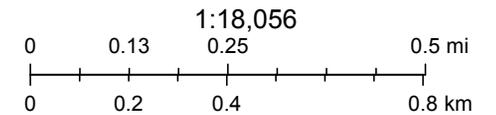
Page Last Modified: 2023-09-17 16:42:33 EDT

0.28 0.24 nadww02

# New Mexico NFHL Data



October 18, 2023



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

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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 282240

**CONDITIONS**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 282240
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	None	1/3/2024