

### SITE INFORMATION

Closure Report
Ender Wiggins 14 Federal 6, 11, 19, 20H CTB
Incident ID: nAPP2412163811
Unit K Sec 14 T25S R34E
32.130130°, -103.442118°
Lea County, New Mexico

### **Crude Oil Release**

Point of Release: Lost comms on oil tank inside secondary containment

Release Date: 04.29.2024

Volume Released: 36 Barrels of Crude Oil Volume Recovered: 36 Barrels of Crude Oil

## CARMONA RESOURCES



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

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



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June 25, 2024

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

**Re:** Closure Report

Ender Wiggins 14 Federal 6, 11, 19, 20H CTB

Marathon Oil Corporation Incident ID: nAPP2412163811

Site Location: Unit K, S14, T25S, R34E (Lat 32.130130°, Long -103.442118°)

Lea County, New Mexico

To whom it may concern:

On behalf of Marathon Oil Corporation, Carmona Resources, LLC has prepared this letter to document the Ender Wiggins 14 Federal 6, 11, 19, 20H CTB site activities. The site is located at 32.130130°, -103.442118° within Unit K, S14, T25S, R34E, in Lea County, New Mexico (Figures 1 and 2).

### 1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the incident was discovered on April 29, 2024, due to equipment failure inside the secondary containment. The incident released approximately thirty-six (36) barrels of crude oil, with thirty-six (36) barrels of crude oil recovered. All fluids were contained within the lined facility. See Figure 3. The Notice of Release form is attached in Appendix B.

### 2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water source within a 0.50-mile radius of the location. The nearest well is located approximately 0.43 miles northwest of the site in S15, T25S, R34E and was drilled in 2013. The well has a reported groundwater depth of 174.06' 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: 1,000 mg/kg (GRO + DRO).
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 20,000 mg/kg.

### 4.0 Liner Inspection Activities

On May 30, 2024, 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 web portal on May 21, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix B. Carmona Resources, LLC personnel inspected the liner visually and found it to be intact with no integrity issues. Refer to the Photolog listed in Appendix A.



### **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

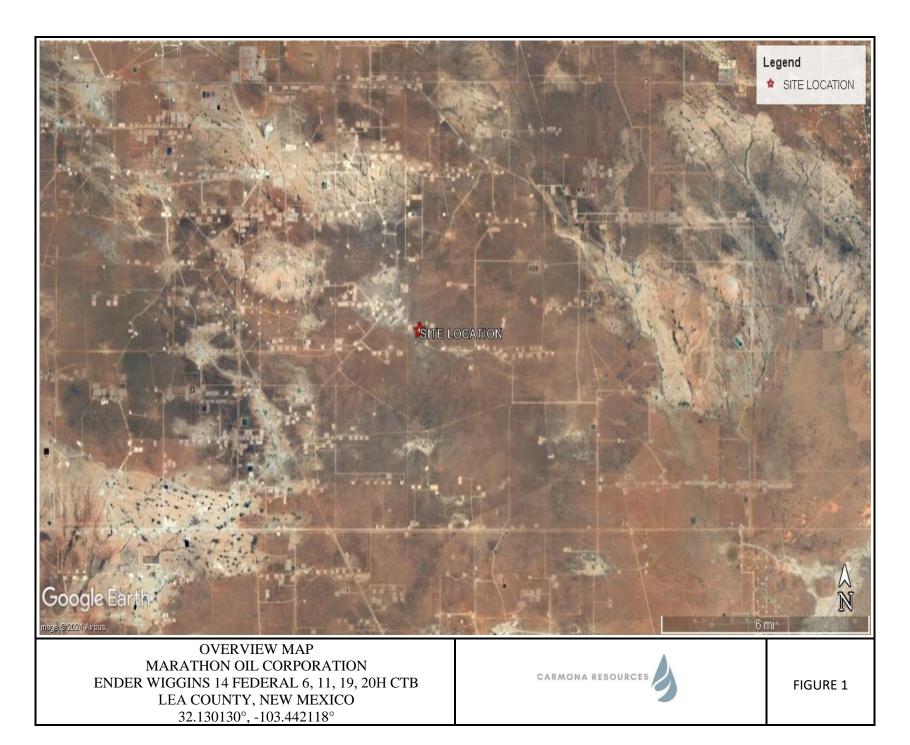
Clinton Merritt

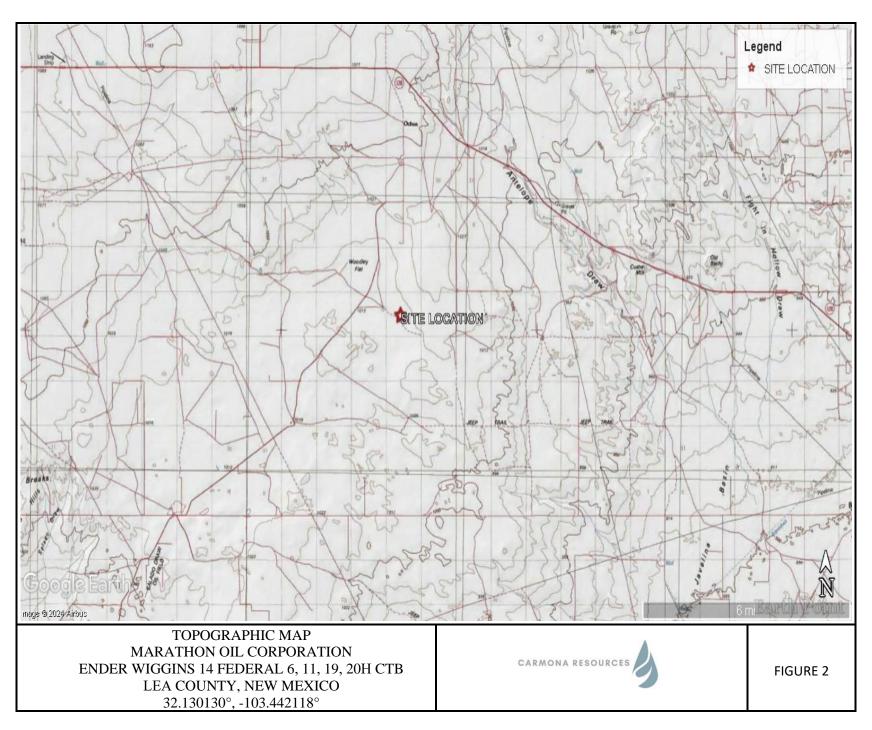
Sr. Project Manager

Ashton Thielke Sr. Project Manager

## **FIGURES**

# CARMONA RESOURCES







MARATHON OIL CORPORATION
ENDER WIGGINS 14 FEDERAL 6, 11, 19, 20H CTB
LEA COUNTY, NEW MEXICO
32.130130°, -103.442118°



FIGURE 3

## **APPENDIX A**

# CARMONA RESOURCES

### **Marathon Oil Corporation**

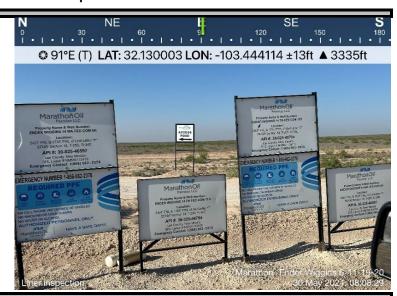
### Photograph No. 1

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

**Description:** 

View East of lease signs at facility pad.



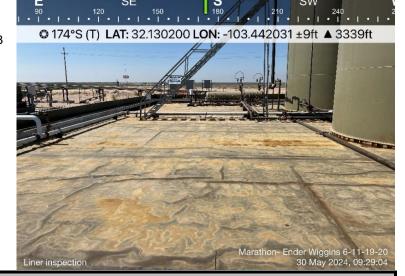
### Photograph No. 2

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

### **Description:**

View South, area of lined facility.



### Photograph No. 3

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

### **Description:**

View Southeast, area of lined facility.



### **Marathon Oil Corporation**

### Photograph No. 4

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

**Description:** 

View South, area of lined facility.



### Photograph No. 5

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

### **Description:**

View Southeast, area of lined facility.



### Photograph No. 6

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

### **Description:**

View Southwest, area of lined facility.



### **Marathon Oil Corporation**

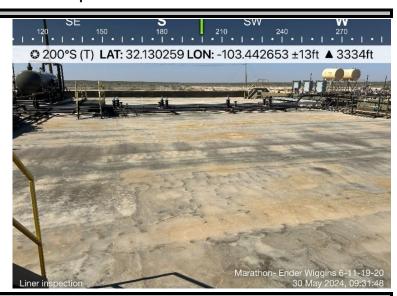
### Photograph No. 7

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

**Description:** 

View South, area of lined facility.



### Photograph No. 8

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

**Description:** 

View East, area of lined facility.



### Photograph No. 9

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

**Description:** 

View Northeast, area of lined facility.



### **Marathon Oil Corporation**

### Photograph No. 10

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

**Description:** 

View North, area of lined facility.



### Photograph No. 11

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

**Description:** 

View East, area of lined facility.



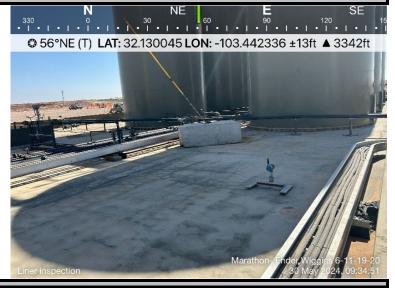
### Photograph No. 12

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

**Description:** 

View Northeast, area of lined facility.



### **Marathon Oil Corporation**

### Photograph No. 13

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

**Description:** 

View East, area of lined facility.



### Photograph No. 14

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

### **Description:**

View North, area of lined facility.



### Photograph No. 15

Facility: Ender Wiggins 6, 11, 19, 20H CTB

County: Lea County, New Mexico

### **Description:**

View East, area of lined facility.



## **APPENDIX B**



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

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**

QUESTIONS

Action 339341

### **QUESTIONS**

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	339341
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

### QUESTIONS

Location of Release Source		
Please answer all the questions in this group.		
Site Name	ENDER WIGGINS 14 FED 6,11,19,20H	
Date Release Discovered	04/29/2024	
Surface Owner	Private	

Incident Details		
Please answer all the questions in this group.		
Incident Type	Oil Release	
Did this release result in a fire or is the result of a fire	No	
Did this release result in any injuries	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

	for the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Production Tank   Crude Oil   Released: 36 BBL   Recovered: 36 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Spill occurred due to lost comms to oil tank 1, causing it to overflow. Spill was contained inside lined containment. Lined containment will be pressure washed.

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

QUESTIONS, Page 2

Action 339341

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Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	339341
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

### QUESTIONS

Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

ACKNOWLEDGMENTS

Action 339341

### **ACKNOWLEDGMENTS**

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	339341
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

### **ACKNOWLEDGMENTS**

✓	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
V	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
V	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
V	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.
V	I acknowledge the fact that 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.
V	I acknowledge the fact that, 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.

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

CONDITIONS

Action 339341

### **CONDITIONS**

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	339341
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

### CONDITIONS

Created	Condition	Condition
Ву		Date
icastro	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	4/30/2024

CMERRITT (AGENT FOR MARATHON OIL PERMIAN LLC) SIGN OUT HELP

Searches Operator Data Submissions Administration

**OCD Permitting** 

Home Operator Data Action Status Action Search Results Action Status Item Details

### [C-141] Initial C-141 (C-141-V-INITIAL) Application

### Submission Information

Submission ID: 343926 Districts: Hobbs

Operator: [372098] MARATHON OIL PERMIAN LLC Counties: Lea

Description: MARATHON OIL PERMIAN LLC [372098]
. ENDER WIGGINS 14 FED 6.11.19.20H

, nAPP2412163811

Status: APPROVED
Status Date: 05/14/2024

References (2): fAPP2233334852, nAPP2412163811

### Forms

Attachments: <u>Volume Calculation</u>

### Questions

### Prerequisites

Incident ID (n#) nAPP2412163811

Incident Name NAPP2412163811 ENDER WIGGINS 14 FED 6,11,19,20H @ 0

Incident Type Oil Release
Incident Status Initial C-141 Received

Incident Facility [fAPP2233334852] ENDER WIGGINS 14 FED COM TB

### **Location of Release Source**

Please answer all the questions in this group.

Site Name ENDER WIGGINS 14 FED 6,11,19,20H

Date Release Discovered 04/29/2024
Surface Owner Private

### Incident Details

Incident Type

to fresh water

Please answer all the questions in this group.

Did this release result in a fire or is the result of a fire No
Did this release result in any injuries No
Has this release reached or does it have a reasonable probability of reaching a watercourse
Has this release endangered or does it have a reasonable probability of endangering public health
Has this release substantially damaged or will it substantially damage property or the environment
Is this release of a volume that is or may with reasonable probability be detrimental No

### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details Cause: Overflow - Tank, Pit, Etc. | Production Tank | Crude Oil | Released: 36 BBL | Recovered: 36 BBL | Lost: 0 BBL.

Oil Release

CMERRITT (AGENT FOR MARATHON OIL PERMIAN LLC) SIGN OUT HELP

Searches Operator Data Submissions Administration

Other Released Details Not answered.

Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)

Spill occurred due to lost comms to oil tank 1, causing it to overflow. Spill was contained inside lined containment. Lined containment was pressure washed.

#### Nature and Volume of Release (continued)

Is this a gas only submission (i.e. only significant Mcf values reported)

Was this a major release as defined by Subsection A of 19.15.29.7 NMAC

No, according to supplied volumes this does not appear to be a "gas only" report.

Yes

Reasons why this would be considered a submission for a notification of a major release

From paragraph A. "Major release" determine using:

(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

#### Initial Response

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

True
The impacted area has been scoured to protect human health and the environment
True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices
All free liquids and recoverable materials have been removed and managed appropriately
If all the actions described above have not been undertaken, explain why

Not answered

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission.

If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement Name: Isaac Castro

Email: icastro@marathonoil.com

Date: 05/13/2024

### Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)

What method was used to determine the depth to ground water

Did this release impact groundwater or surface water

Not answered.

What is the minimum distance, between the closest lateral extents of the release and the following surface areas:

A continuously flowing watercourse or any other significant watercourse Not answered Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) Not answered An occupied permanent residence, school, hospital, institution, or church Not answered A spring or a private domestic fresh water well used by less than five households for Not answered Any other fresh water well or spring Not answered Incorporated municipal boundaries or a defined municipal fresh water well field Not answered A wetland Not answered A subsurface mine Not answered An (non-karst) unstable area Categorize the risk of this well / site being in a karst geology Not answered A 100-year floodplain Not answered Did the release impact areas not on an exploration, development, production, or

### Remediation Plan

storage site

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Nο

CMERRITT (AGENT FOR MARATHON OIL PERMIAN LLC) SIGN OUT HELP

Searches **Operator Data** Submissions Administration Comments No comments found for this submission. Conditions Summary: nvelez (5/14/2024), None Reasons No reasons found for this submission. Fees Summary: Created Amount Status Saved Type UR0CH-240513-C-1410 5/13/2024 SB553 A.(2) [ADMIN] \$150.00 Paid [PAID] 5/13/2024 Payment Credit Card [CC] \$150.00 Paid [PAID] 5/14/2024 5/13/2024

Go Back

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EMNRD Home OCD Main Page OCD Rules Hel

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

QUESTIONS

Action 346406

### **QUESTIONS**

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	346406
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2412163811
Incident Name	NAPP2412163811 ENDER WIGGINS 14 FED 6,11,19,20H @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2233334852] ENDER WIGGINS 14 FED COM TB

Location of Release Source					
Site Name	ENDER WIGGINS 14 FED 6,11,19,20H				
Date Release Discovered	04/29/2024				
Surface Owner	Private				

Liner Inspection Event Information	
Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	19,665
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	05/30/2024
Time liner inspection will commence	08:00 AM
Please provide any information necessary for observers to liner inspection	Clinton Merritt 432-813-9044
Please provide any information necessary for navigation to liner inspection site	From the intersection of NM 128 and Battle Axe Road, travel southwest on Battle Axe Road for 4.5 miles. Turn southeast (left) onto unmarked lease road and travel for 0.8 miles. Job site is on the immediate southwest (right side) of the lease road.

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

CONDITIONS

Action 346406

### **CONDITIONS**

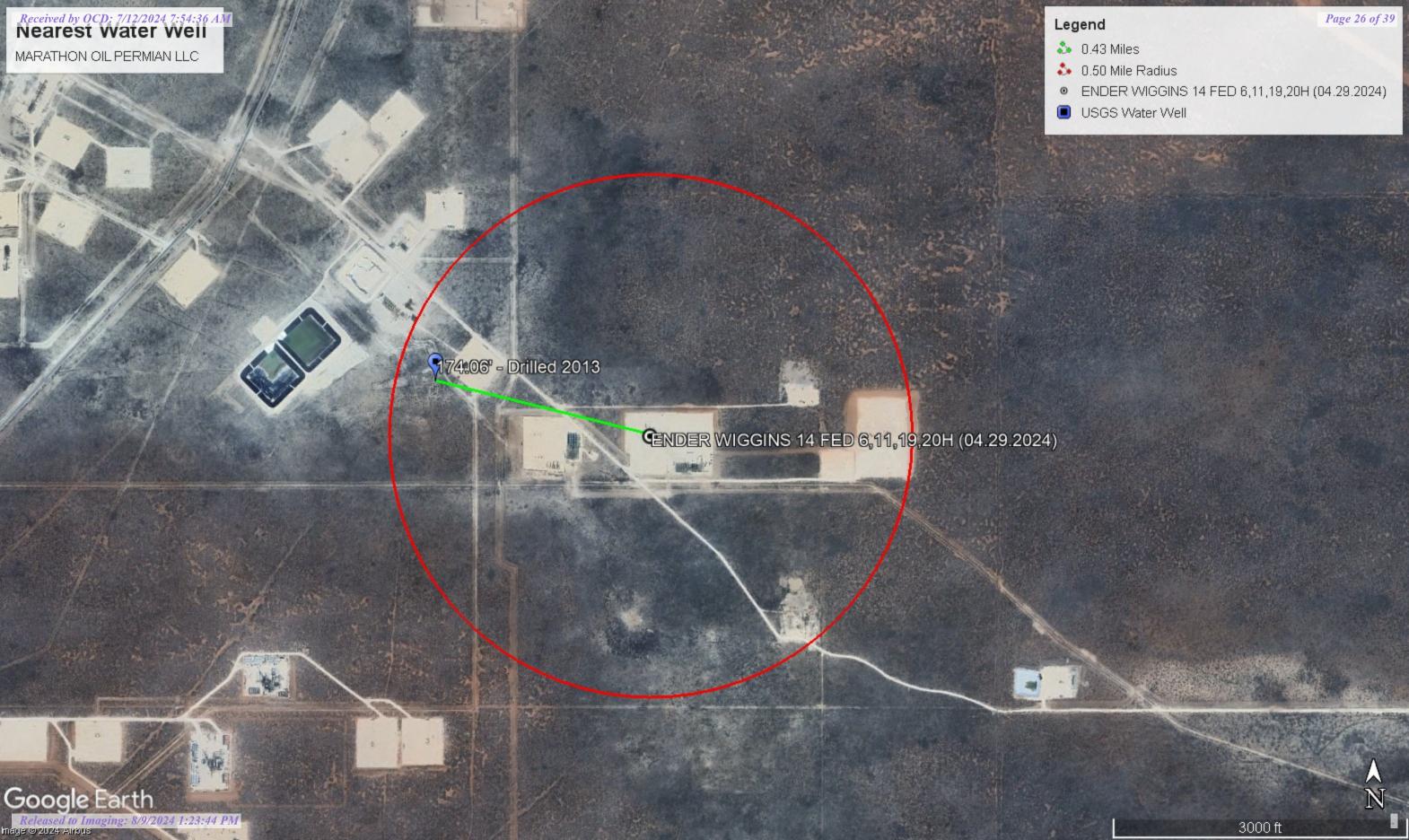
Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	346406
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

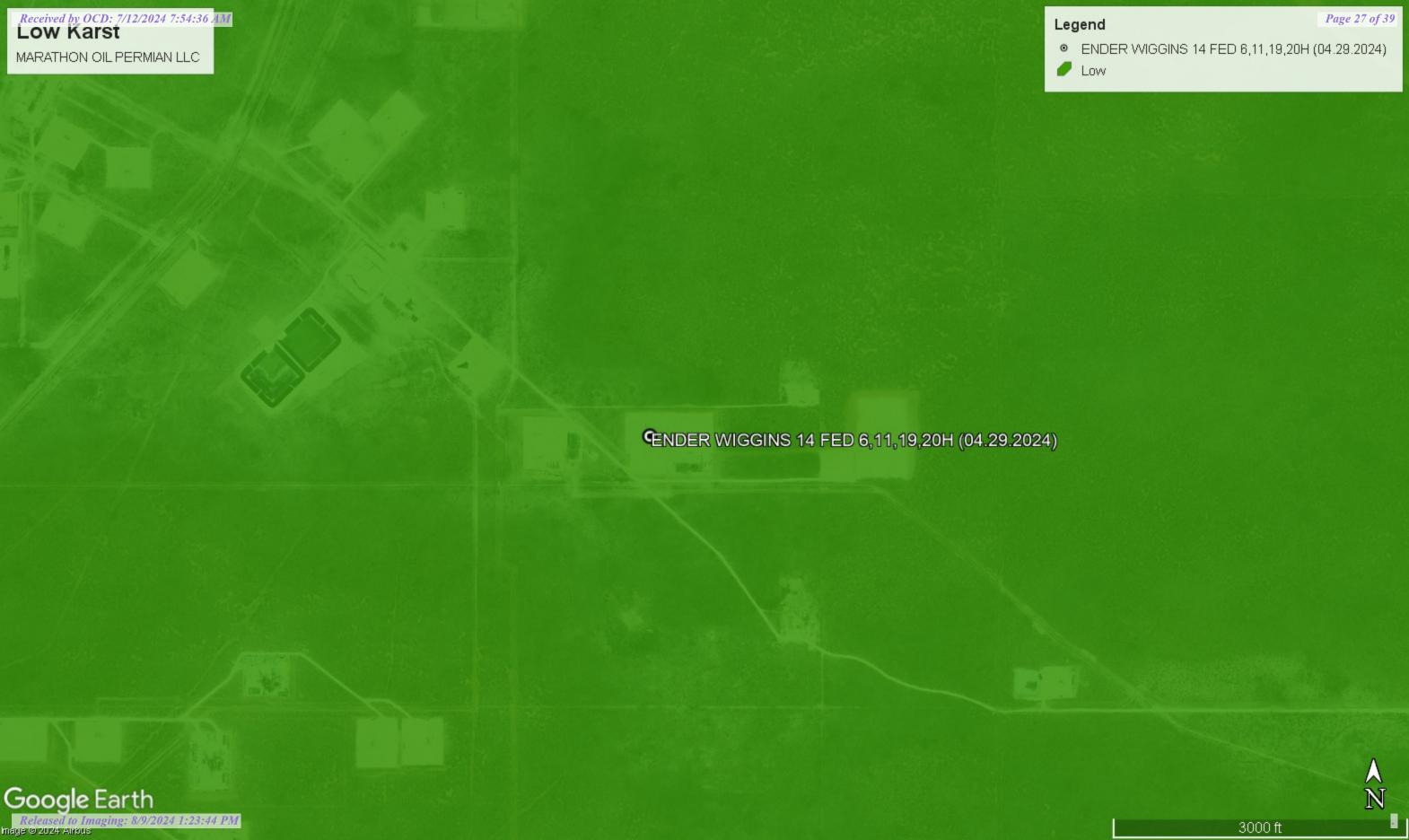
### CONDITIONS

Created By		Condition Date
icastro	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	5/22/2024

## **APPENDIX C**

# CARMONA RESOURCES







# 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)

	0.0000)	\ 1		-				/			`	/	
	POD												
	Sub-		QQ	Q							Depth	Depth	Water
POD Number	Code basin C	ounty	64 16	4	Sec	Tws	Rng	X	Y	Distance	Well	Water	Column
<u>C 02314</u>	CUB	LE	2 4	2	15	25S	34E	646116	3556179 🌍	425	175	135	40
C 02315	CUB	LE	2 4	2	15	25S	34E	646095	3556194 🍯	450	175	135	40
C 02299	CUB	LE	4 2	4	24	25S	34E	649517	3554125 🎒	3550	350	300	50

Average Depth to Water: 190 feet

Minimum Depth: 135 feet

Maximum Depth: 300 feet

**Record Count: 3** 

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

**Easting (X):** 646502 **Northing (Y):** 3556001 **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.



### Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

### Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 320738103270501

### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

### USGS 320738103270501 25S.34E.15.24234

Lea County, New Mexico

Latitude 32°07'57.1", Longitude 103°27'02.4" NAD83

Land-surface elevation 3,345.00 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Ogallala Formation (1210GLL) local aquifer.

### **Output formats**

Table of data					
Tab-separated data	l.				
Graph of data					
Reselect period					

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 measu
1954-07-23		D	62610		3180.06	NGVD29	Р	Z		
1954-07-23		D	62611		3181.62	NAVD88	Р	Z		
1954-07-23		D	72019	164.94			Р	Z		
1970-12-08		D	62610		3181.78	NGVD29	Р	Z		
1970-12-08		D	62611		3183.34	NAVD88	Р	Z		
1970-12-08		D	72019	163.22			Р	Z		
1976-01-15		D	62610		3179.20	NGVD29	1	Z		
1976-01-15		D	62611		3180.76	NAVD88	1	Z		
1976-01-15		D	72019	165.80			1	Z		
1981-03-25		D	62610		3182.20	NGVD29	1	Z		
1981-03-25		D	62611		3183.76	NAVD88	1	Z		
1981-03-25		D	72019	162.80			1	Z		
1986-03-12		D	62610		3184.76	NGVD29	1	Z		
1986-03-12		D	62611		3186.32	NAVD88	1	Z		
1986-03-12		D	72019	160.24			1	Z		

Date	Time	? Water-level date-time accuracy	? Paramet code	er :	Water level, feet below land surface	Water level, feet above specific vertical datum	Ve	eferenced ertical atum	?
1991-06-05	D	62610	3	179.90	NGVD29	1	Z		
1991-06-05	D	62611		181.46	NAVD88	1	Z		
1991-06-05	D	72019	165.10			1	Z		
2013-01-16 21:30 UTC	m	62610	3	170.94	NGVD29	Р	S	USGS	
2013-01-16 21:30 UTC	m	62611	3	172.50	NAVD88	P	S	USGS	
2013-01-16 21:30 UTC	m	72019	174.06			Р	S	USGS	

### Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
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
Status	Р	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	А	Approved for publication Processing and review completed.

**Questions or Comments** Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes <u>News</u>

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U.S. Department of the Interior | U.S. Geological Survey
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: 2024-04-18 10:43:43 EDT

0.33 0.28 nadww02



### **FEMA National Flood Hazard Layer (NFHL)**



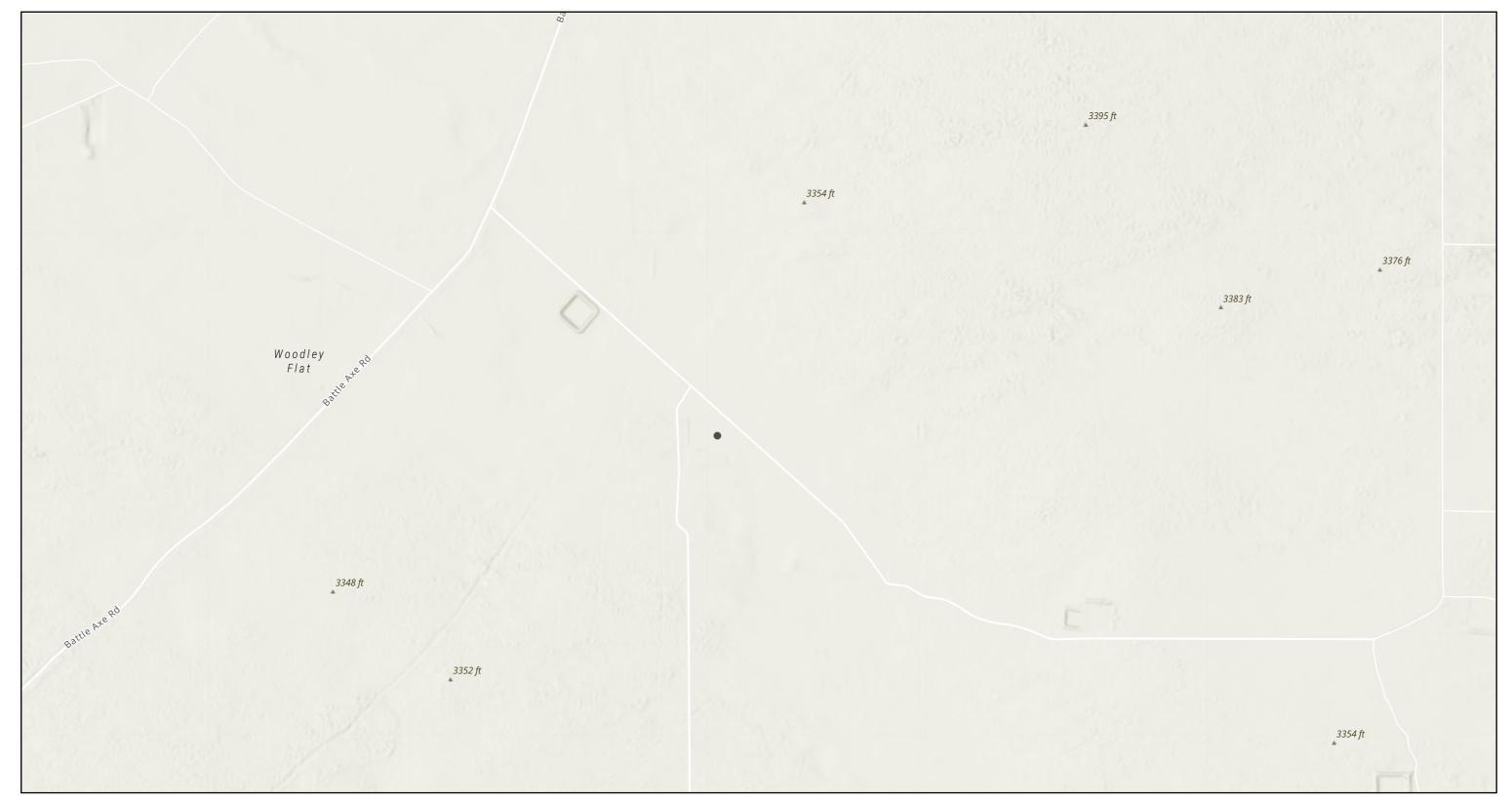
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA

### **FEMA National Flood Hazard Layer (NFHL)**

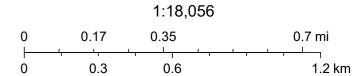


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# ENDER WIGGINS FED COM TB (04.03.2024)



4/18/2024, 9:41:06 AM



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

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

QUESTIONS

Action 357530

### **QUESTIONS**

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	357530
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2412163811	
Incident Name	NAPP2412163811 ENDER WIGGINS 14 FED 6,11,19,20H @ 0	
Incident Type	Oil Release	
Incident Status	Remediation Closure Report Received	
Incident Facility	[fAPP2233334852] ENDER WIGGINS 14 FED COM TB	

Location of Release Source		
Please answer all the questions in this group.		
Site Name	ENDER WIGGINS 14 FED 6,11,19,20H	
Date Release Discovered	04/29/2024	
Surface Owner	Private	

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Production Tank   Crude Oil   Released: 36 BBL   Recovered: 36 BBL   Lost: 0 BBL.	
Produced Water Released (bbls) Details	Not answered.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Spill occurred due to lost comms to oil tank 1, causing it to overflow. Spill was contained inside lined containment. Lined containment was pressure washed.	

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV** 

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

QUESTIONS, Page 2

Action 357530

Phone:(505) 476-3470 Fax:(505) 476-3462		
QUESTI	ONS (continued)	
Operator:  MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098 Action Number: 357530 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS	[	
Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.	
Initial Response		
The responsible party must undertake the following actions immediately unless they could create a s	rafety hazard that would result in injury.	
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
	I I ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releate OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	

Name: Isaac Castro

Date: 07/12/2024

Email: icastro@marathonoil.com

I hereby agree and sign off to the above statement

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

QUESTIONS, Page 3

Action 357530

**QUESTIONS** (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	357530
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Greater than 5 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to	the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	Yes	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	05/30/2024	
On what date will (or did) the final sampling or liner inspection occur	05/30/2024	
On what date will (or was) the remediation complete(d)	05/30/2024	
What is the estimated surface area (in square feet) that will be remediated	0	
What is the estimated volume (in cubic yards) that will be remediated	0	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 357530

**QUESTIONS** (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	357530
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
Is (or was) there affected material present needing to be removed	Yes	
Is (or was) there a power wash of the lined containment area (to be) performed	Yes	
OTHER (Non-listed remedial process)  No		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC.		

which includes the anticipated timelines for beginning and completing the remediation.

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.

Name: Isaac Castro I hereby agree and sign off to the above statement Email: icastro@marathonoil.com Date: 07/12/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required

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

QUESTIONS, Page 6

Action 357530

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Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	357530
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Liner Inspection Information		
Last liner inspection notification (C-141L) recorded	346406	
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	05/30/2024	
Was all the impacted materials removed from the liner	Yes	
What was the liner inspection surface area in square feet	19665	

Remediation Closure Request			
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.			
Requesting a remediation closure approval with this submission	Yes		
Have the lateral and vertical extents of contamination been fully delineated	Yes		
Was this release entirely contained within a lined containment area	Yes		
What was the total surface area (in square feet) remediated	0		
What was the total volume (cubic yards) remediated	0		
Summarize any additional remediation activities not included by answers (above)	On May 30, 2024, 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 web portal on May 21, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix B. Carmona Resources, LLC personnel inspected the liner visually and found it to be intact with no integrity issues.		

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Name: Isaac Castro
Email: icastro@marathonoil.com
Date: 07/12/2024

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

CONDITIONS

Action 357530

### **CONDITIONS**

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	357530
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	8/9/2024