

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.  
NMNM132068

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2****HOBBS OCD**

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
MARATHON OIL PERMIAN LLCContact: JENNIFER VAN CUREN  
E-Mail: jvancuren@marathonoil.co

NOV 28 2018

8. Well Name and No.  
BATTLE 34 FEDERAL 4H9. API Well No.  
60 025-426363a. Address  
5555 SAN FELIPE ST  
HOUSTON, TX 770563b. Phone No. (include area code)  
Ph: 713-296-2500**RECEIVED**10. Field and Pool or Exploratory Area  
BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 27 T21S R33E Mer NMP SWSW 191FSL 960FWL

11. County or Parish, State

LEA COUNTY, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Marathon Oil Permian is requesting approval of the attached Interim Reclamation (IR) plan. Work will begin soon after approval.

Original APD was permitted 300' x 300'. A plan was submitted and withdrawn for the larger pad due to already having been build at original loc. etc. IR plan should @ a minimum get the loc back to permitted size.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #420037 verified by the BLM Well Information System  
For MARATHON OIL PERMIAN LLC, sent to the Hobbs  
Committed to AFMSS for processing by DEBORAH MCKINNEY on 05/15/2018 ( )

Name (Printed/Typed) JENNIFER VAN CUREN

Title SR. REGULATORY COMPLIANCE REP

Signature (Electronic Submission)

Date 05/14/2018

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE****Rejected.**

Approved By

Title

SPET

11-9-18  
Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

CFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*****FOR RECORD ONLY**  
NMOCd 11/28/18



**TETRA TECH**

May 9, 2018

Mr. James Amos  
Supervisory Environmental Protection Specialist  
Bureau of Land Management  
620 E. Greene St.  
Carlsbad, New Mexico 88220

**Re: Marathon Oil Company- Interim Reclamation for the Battle Federal #4H Located in Section 27, Township 21 South, Range 33 East, Unit M, Lea County, New Mexico.**

Mr. Amos:

Tetra Tech, Inc (Tetra Tech) was contacted by Marathon Oil Company (Marathon) to prepare a scope for the proposed Interim Reclamation for the Battle Federal #4H, located in Section 27, Township 21 South, Range 33 East, Lea County, New Mexico. The spill site coordinates are N 32.4430715°, W 103.565825°. The site location is shown on Figures 1 and 2.

**Proposed Interim Reclamation - Facility Pad Downsizing**

The Battle Federal #4H pad area measures approximately 360' x 400'. The production well has been completed and Marathon proposes an interim reclamation to downsize the caliche pad. Marathon proposes to downsize the pad approximately 20-25' from the north and the east edges of the pad, as shown in Figure 3.

Any production equipment or material used for the installation of the production well located in the downsized areas will be removed from the area. The caliche material from pad will be removed and reused to construct the well pad berm, another pad site, or for road repairs within the lease. Prior to re-use, the caliche material removed from the pad will be stockpiled onsite and field screened for chlorides evaluation. After removal of the caliche material, the reclaimed areas will be re-contoured to as close to its original state as possible and the surface be left rough to prevent wind and rain erosion.

Tetra Tech

910 North Elm Spring, Midland TX 79705

Tel: 432.662.4459 Fax: 432.662.3540 [www.tetratech.com](http://www.tetratech.com)



**TETRA TECH**

### **Soils and Seeding**

The site soils consist of the 85 % Pyote loamy fine sands and have a 3% slope and well-drained soils. The loamy fine sands are at depths of approximately 0 to 25 inches, and 25 to 60 inches consists of fine sandy loam. The soil description and classification is shown in Appendix A.

The reclaimed areas will be seeded in June 2018 in order to coincide with the rainy season in Southeastern New Mexico to aid in revegetation. Based on the soils at the site, the area will be seeded with a BLM Seed Mixture 1 Sandy Loamy, unless BLM requires a different seed blend. The seed mixture will be planted in the specific amount per acre, as required. The seed mixture will be spread by a drill equipped with a depth regulator or a hand-held broadcaster and raked.

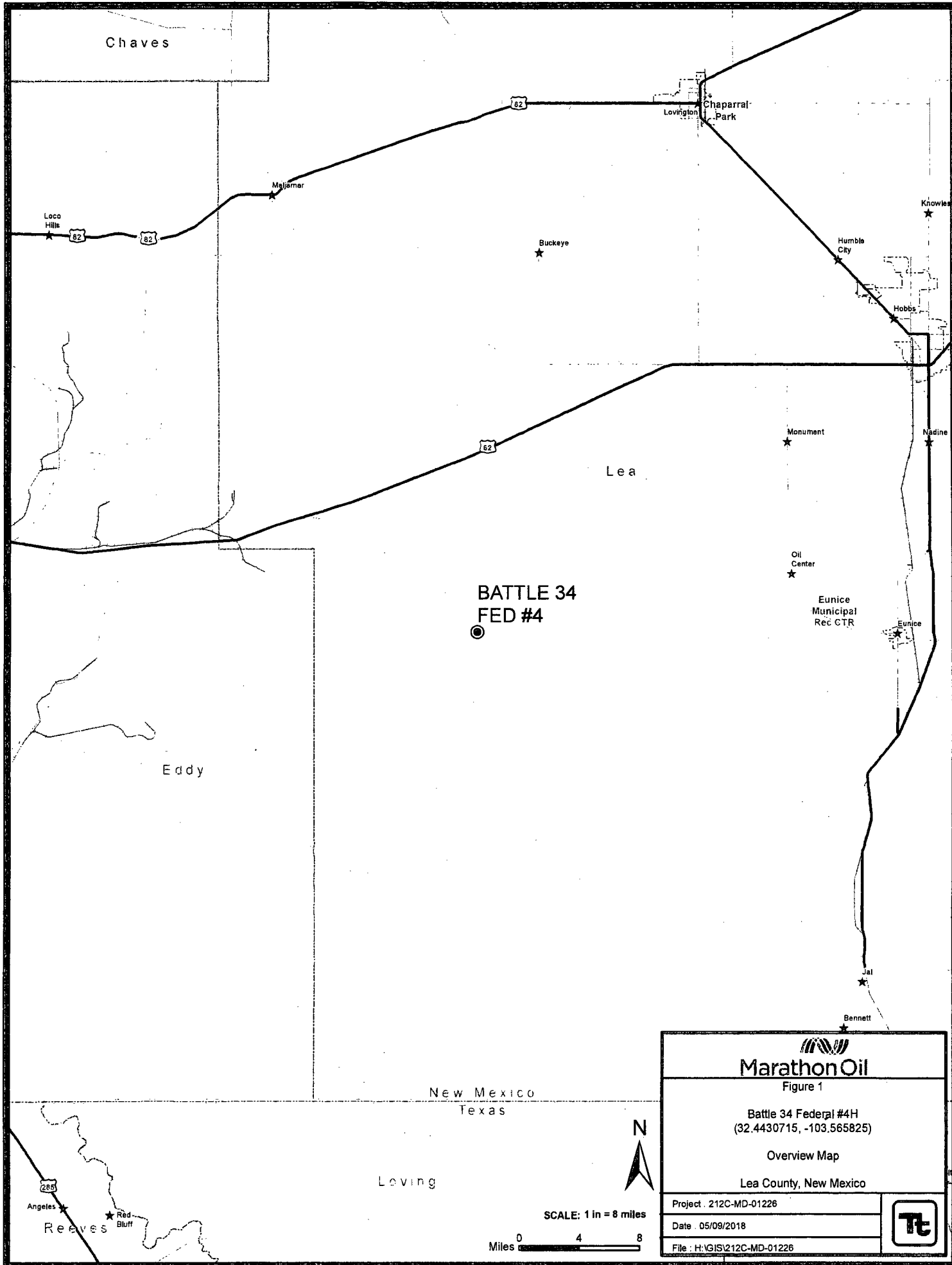
If you have any questions or comments concerning the proposed reclamation activities for this site, please call me at (432) 682-4559.

Tetra Tech, Inc.

Ike Tavarez, P.G.  
Project Manager

cc: Callie Karrigan – Marathon

## Figures



BATTLE 34  
FED #4



  
**Marathon Oil**

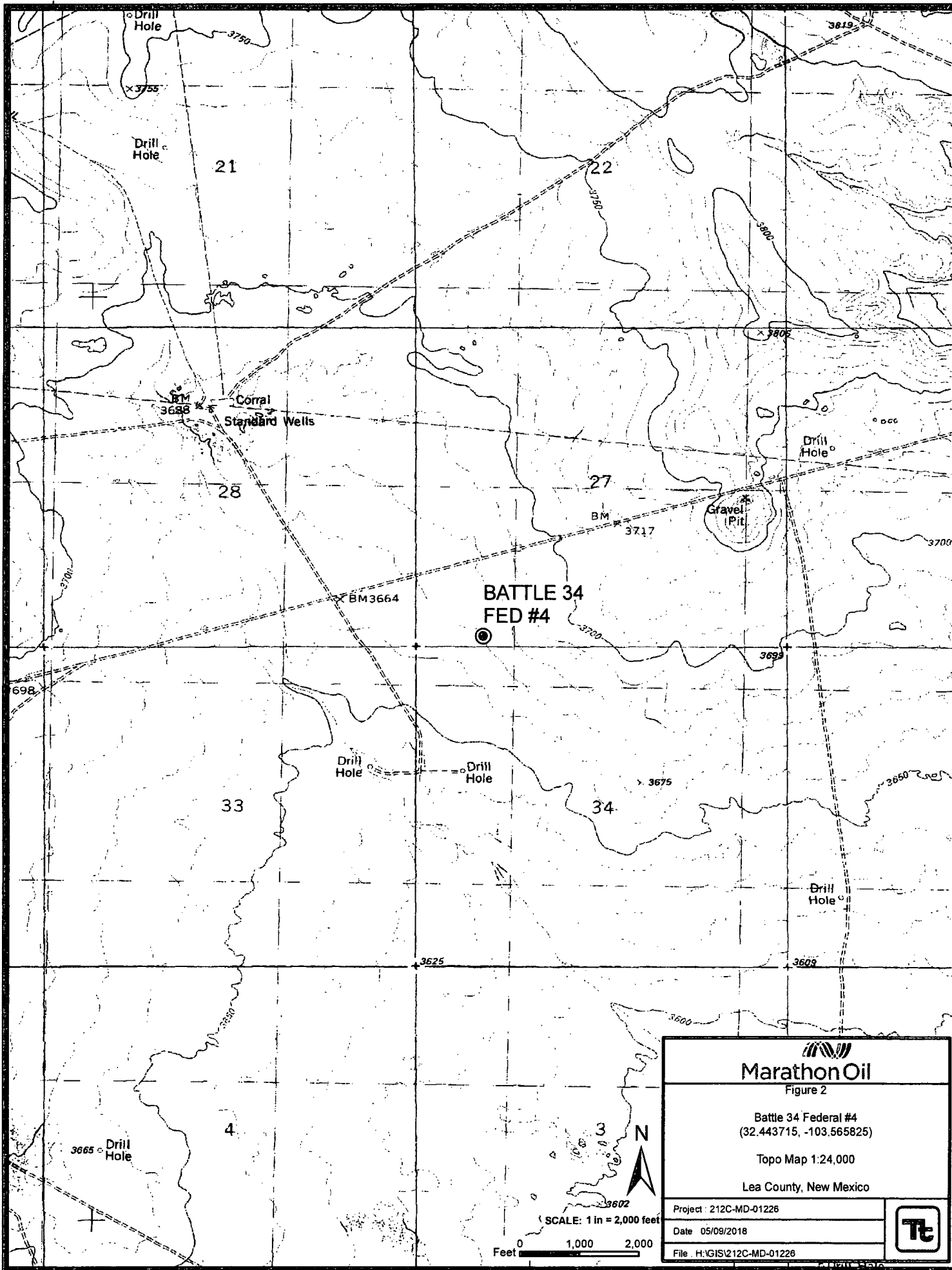
Figure 1



Battle 34 Federal #4H  
(32.4430715, -103.565825)

Overview Map

Lea County, New Mexico

Project : 212C-MD-01226	
Date : 05/09/2018	
File : H:\GIS\212C-MD-01226	



 <b>Marathon Oil</b>	
Figure 2	
Battle 34 Federal #4 (32.443715, -103.565825)	
Topo Map 1:24,000	
Lea County, New Mexico	
Project: 212C-MD-01226	
Date: 05/09/2018	
File: H:\GIS\212C-MD-01226	

20'-25'



PAD

360'

400'

### LEGEND

— APPROXIMATE PAD RECLAMATION AREA

PROPOSED PAD REMOVAL



SCALE: 1 IN = 100 FEET  
Feet 0 50 100

**Marathon Oil**

Figure 3

Battle 34 Federal #4H  
(32.4430715, -103.565825)

Site Location Map

Lea County, New Mexico

Project: 212C-MD-01226

Date: 05/09/2018

File: H:\GIS\212C-MD-01226



## Appendix A



## Lea County, New Mexico

### PT—Pyote loamy fine sand

#### Map Unit Setting

*National map unit symbol:* dmqp  
*Elevation:* 3,000 to 3,900 feet  
*Mean annual precipitation:* 10 to 12 inches  
*Mean annual air temperature:* 60 to 62 degrees F  
*Frost-free period:* 190 to 200 days  
*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Pyote and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Pyote

##### Setting

*Landform:* Plains  
*Landform position (three-dimensional):* Rise  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Sandy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 25 inches:* loamy fine sand  
*Bt - 25 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 5 percent  
*Gypsum, maximum in profile:* 1 percent  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 2.0  
*Available water storage in profile:* Low (about 5.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e  
*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* A  
*Ecological site:* Loamy Sand (R042XC003NM)  
*Hydric soil rating:* No

#### **Minor Components**

##### **Maljamar**

*Percent of map unit:* 8 percent  
*Ecological site:* Loamy Sand (R042XC003NM)  
*Hydric soil rating:* No

##### **Palomas**

*Percent of map unit:* 7 percent  
*Ecological site:* Loamy Sand (R042XC003NM)  
*Hydric soil rating:* No

### **Data Source Information**

Soil Survey Area: Lea County, New Mexico  
Survey Area Data: Version 14, Sep 10, 2017