

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
BATTLE 34 FEDERAL 4H

2. Name of Operator
MARATHON OIL PERMIAN LLC
Contact: JENNIFER VAN CUREN
E-Mail: jvancuren@marathonoil.co

9. API Well No.
80 025-42636

3a. Address
5555 SAN FELIPE ST
HOUSTON, TX 77056

3b. Phone No. (include area code)
Ph: 713-296-2500

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

NOV 28 2018

RECEIVED

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 recomplete 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

Rejected.

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

[Signature]

Title

SAET

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

CFD

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
NMOC 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.tetrattech.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.

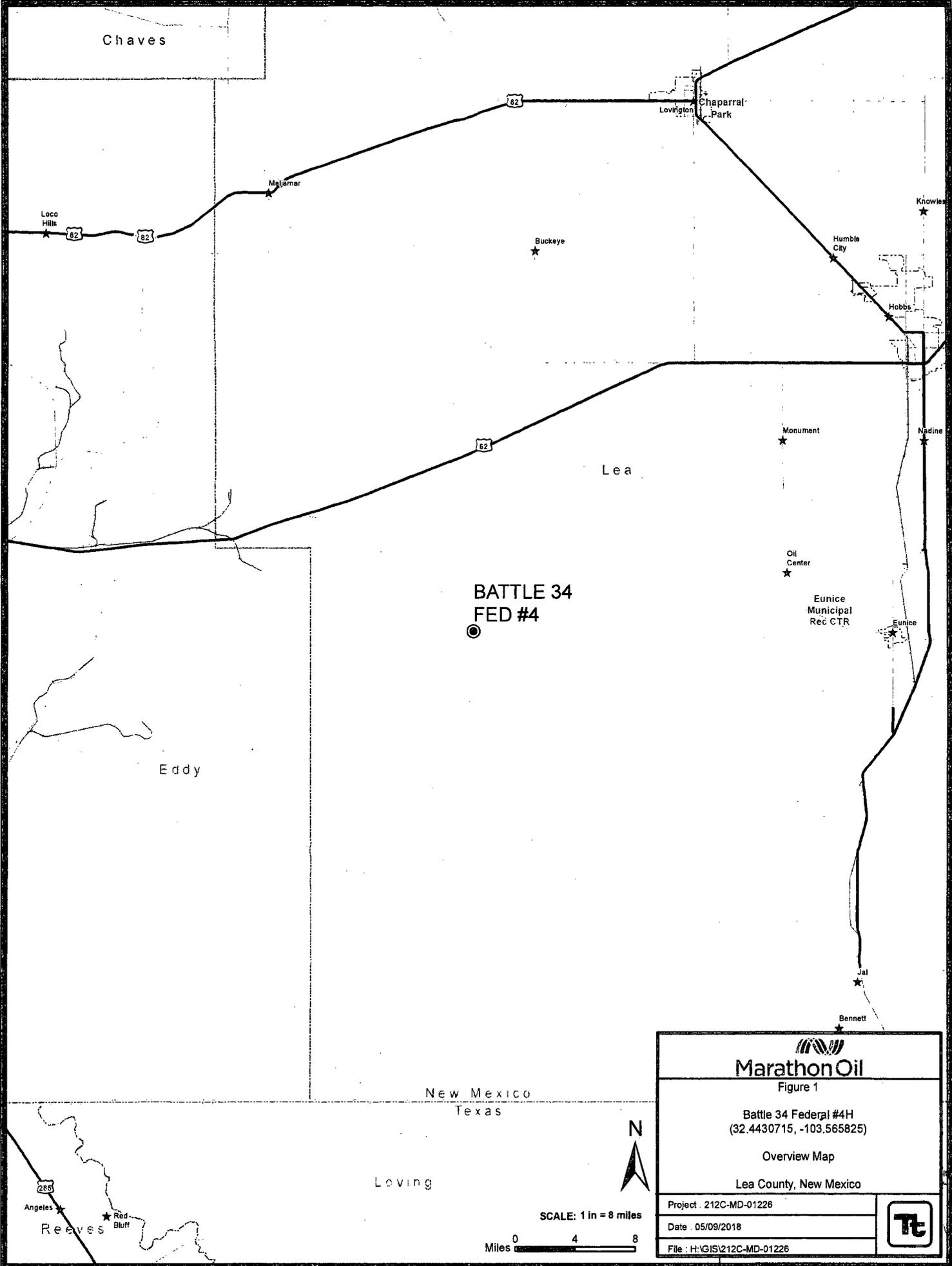
If you have any questions or comments concerning the proposed reclamation activities for this site, please call me at (432) 682-4559.

Tetra Tech, Inc.

Ike Tavarez, P.G.
Project Manager

cc: Callie Karrigan – Marathon

Figures



Chaves

Chaparral
Lovington Park

Majlamar

Loco Hills

Buckeye

Humble City

Knowles

Hobbs

82

Lea

Monument

Nadine

**BATTLE 34
FED #4**

Oil Center

Eunie
Municipal
Rec CTR

Eunie

Eddy

Jal

Bennett

New Mexico
Texas

Loving



SCALE: 1 in = 8 miles



285

Angeles

Red Bluff

Reeves

Marathon Oil

Figure 1

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

Overview Map

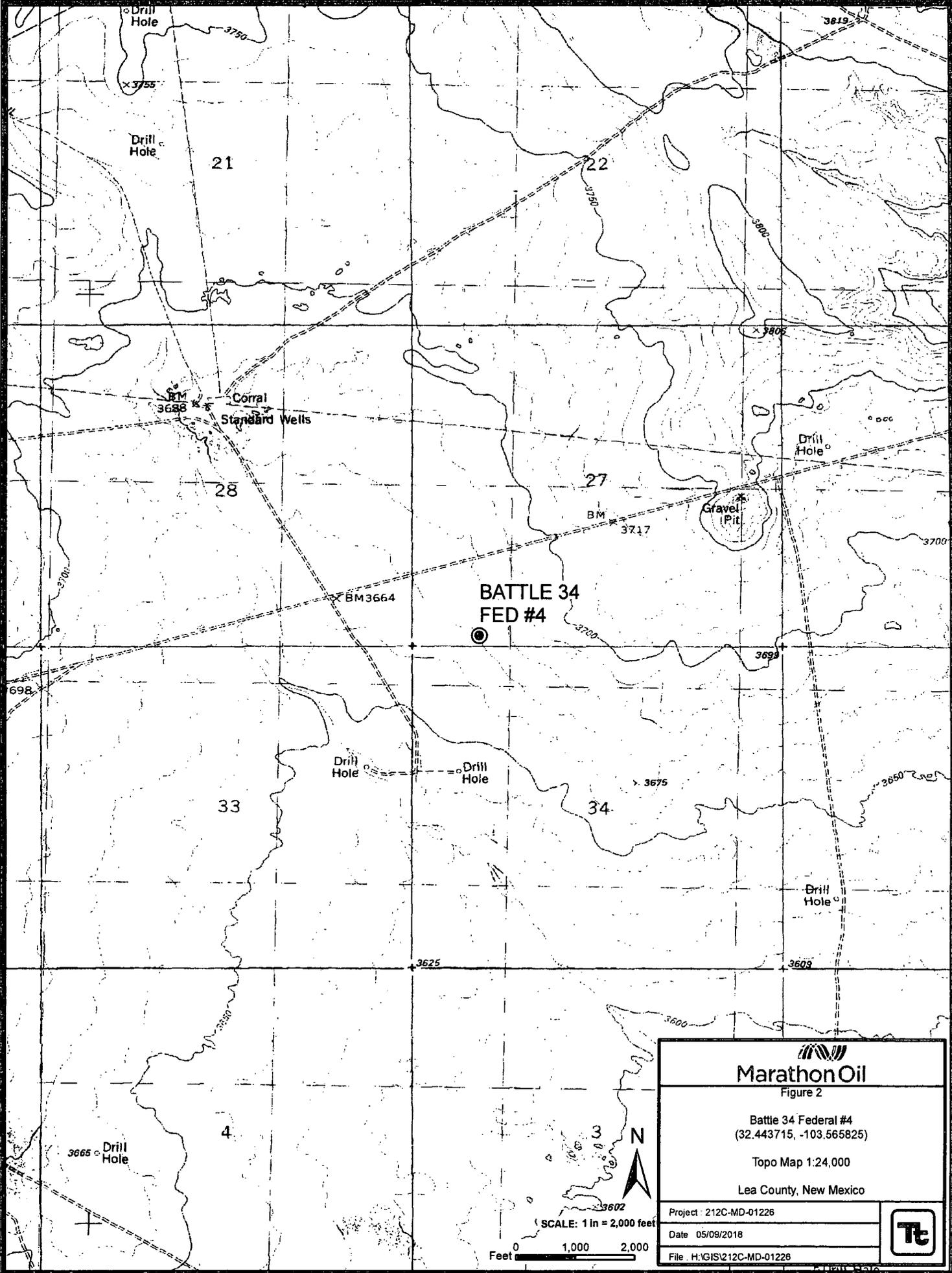
Lea County, New Mexico

Project : 212C-MD-01226

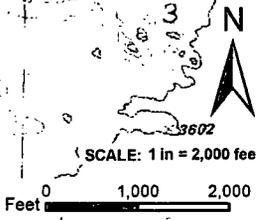
Date : 05/09/2018

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





 Marathon Oil 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