

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

Form 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☒ Other disposal

2. Name of Operator
Marathon Oil Company

3a. Address
P.O. Box 1324, Artesia, NM 88211

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**1,650 FSL & 1,650 FWL
Section 24 S, T-21-S, R-23-E**

3b. Phone No. (include area code)
505-457-2621

RECEIVED

**JAN 15 2004
OCD-ARTESIA**

5. Lease Serial No.
NM 05612A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Marathon Federal SWD #1

9. API Well No.
30-015-10373

10. Field and Pool, or Exploratory Area
Indian Basin

11. County or Parish, State
Eddy, NM

12. CHECK 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"/> Fracture Treat	<input 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 checked="" 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

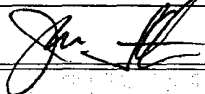
see attached procedure & wellbore diagrams

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS ATTACHED**

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

James F. Newman, PEE

Signature



Title **engineer, Triple N Services, 432-687-1994**

Date **09 Jan 04**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) ALEXIS O SWCSODA

PETROLEUM ENGINEER

Title

Date

JAN 14 2004

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

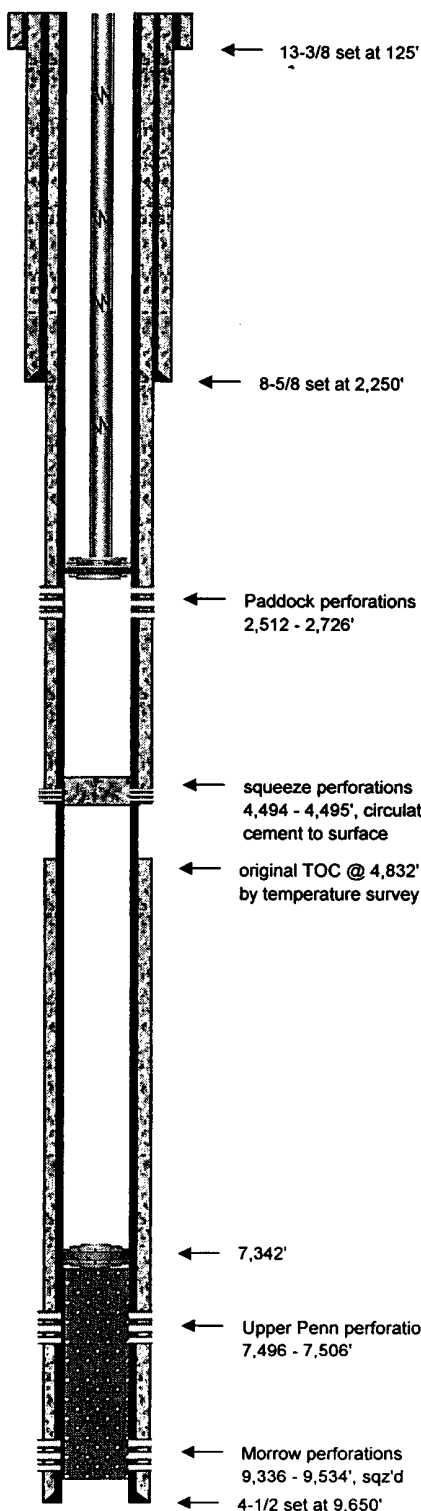
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**Proposed Plugging Procedure
Marathon Oil Company
Marathon Federal #1 (SWD)
API #30-015-10373**

See attached wellbore diagrams

- Notify BLM & OCD 24 hrs prior to move in, and 4 hrs prior to plugs
 - Hold daily tailgate safety meetings w/ crews
 - Tubulars in hole: 78 jts 2-3/8" 4.7# IPC w/ AD-1 packer @ 2,422'
 - 4½" 9.5 #/ft casing capacity = 0.0912 ft³/ft
-
1. Set 180 bbl working pit and flow well down as needed.
 2. MIRU plugging equipment. NU 5,000# hydraulic BOP. Release packer and POOH standing back 2-3/8" injection tubing.
 3. If tubing condition permits, RIH injection tubing, picking up 2-3/8" workstring as needed to PBTD @ +/- 4,310'. Otherwise, run CICR on workstring.
 4. RU cementer and load hole w/ 30 bbls 9.5 #/gal plugging mud. POOH w/ tbg.
 5. RIH w/ HM tbg-set 3.50" OD cement retainer (CICR) for 4½" 9.5# csg, set CICR @ 2,465'. Sting out of circulate hole w/ 40 bbls plugging mud. Sting into CICR and squeeze 35 sx C cmt (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 46.2 ft³) under retainer. Sting out and pump 35 sx C cmt (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 46.2 ft³) on top of CICR to 2,050' (calculated cement top 1,958').
 6. POOH w/ tbg. ND BOP and wellhead.
 7. RIH w/ tubing to 175' and pump 15 sx C cmt (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 19.8 ft³) 175' to surface. RDMO.
 8. Clean working pit, haul fluids to disposal. Cut off wellhead and install dryhole marker. Cut off anchors and level location.



Field Name:	Indian Basin		
County:	Eddy	Well Type:	Oil
State:	New Mexico	Depth:	9,650
RRC District:	Artesia	Drilling Commenced:	
Section:	24	Drilling Completed:	
Block:		Date Well Plugged:	
Survey:	T-21-S; R-23-E	Longitude:	
Unit Letter K; 1,650 FSL & 1,650 FWL		Latitude:	
		Freshwater Depths:	
API #:	30-015-10373	PBTD:	4,310
Lease or ID:	NM 05612A		

Casing					
Description	Size (inches)	Depth (feet)	TOC (feet)	Cement (sacks)	Hole Size (inches)
Surface:	13-3/8	125	Surface	200	
Intermediate:	9-5/8	2,250	Surface	1,560	
Production:	4-1/2	9,650	Surface	1,175	

Existing Plugs				
Description	Top (feet)	Depth (feet)	Volume (sacks)	Volume (cu ft)

Perforations			
Formation	Top (feet)	Depth (feet)	
Paddock Perforations	2,512	2,726	
Upper Penn, sqz'd w/ 95 sx	7,496	7,506	
Morrow, sqz'd w/ 100 sx	9,336	9,534	

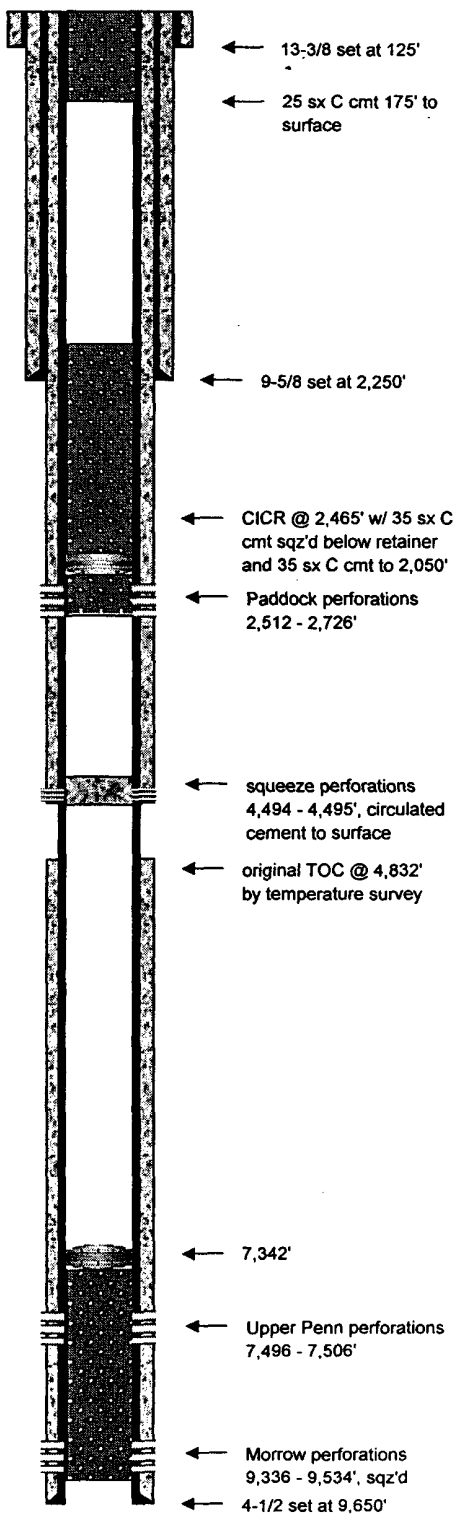
Formations		
Name	Top of Formation	

Comments

78 jts 2-3/8" IPC and Baker AD-1 packer @ 2,422'

Prepared By: Jim Newman
Date: 10/23/2003

TRIPLE N
SERVICES INC.
MIDLAND, TX



Field Name:	Indian Basin		
County:	Eddy	Well Type:	Oil
State:	New Mexico	Depth:	9,650
RRC District:	Artesia	Drilling Commenced:	
Section:	24	Drilling Completed:	
Block:		Date Well Plugged:	
Survey:	T-21-S; R-23-E	Longitude:	
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Casing					
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Surface:	13-3/8	125	Surface	200	
Intermediate:	9-5/8	2,250	Surface	1,560	
Production:	4-1/2	9,650	Surface	1,175	

Proposed Plugs					
Description	Top (feet)	Depth (feet)	Volume (sacks)	Volume (cu ft)	
1 CIBP w/ 70 sx cement, Class C	2,050	2,465	70	92.4	
2 Class C cement, balanced	surface	175	15	19.8	

Perforations			
Formation	Top (feet)	Depth (feet)	
Paddock Perforations	2,512	2,726	
Upper Penn, sqz'd w/ 95 sx	7,496	7,506	
Morrow, sqz'd w/ 100 sx	9,336	9,534	

Formations		
Name	Top of Formation	

Comments

Tag PBTD @ 4,310' and circulate mud.

Prepared By: Jim Newman
Date: 10/21/2003

TRIPLE N
SERVICES INC.
MIDLAND, TX