

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

2. Name of Operator
Marathon Oil Company

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

3b. Phone No. **505-457-2621**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
800 FNL & 200 FEL of section 30, T-21-S, R-23-E

RECEIVED

JAN 15 2004

OGD-ARTESIA

5. Lease Serial No.
NM 0384625

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NM 72098

8. Well Name and No.
Fed IBD Gas Com #2

9. API Well No.
30-015623313

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, P.E.

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

Signature

Date **09 Jan 04**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

PETROLEUM ENGINEER

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

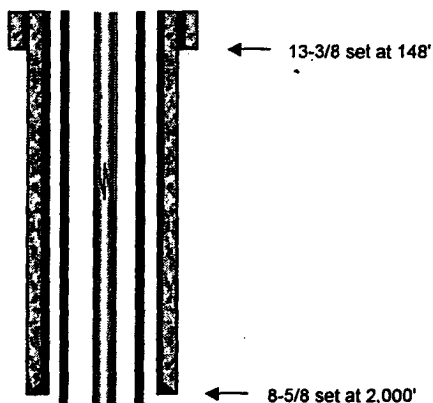
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**Proposed Plugging Procedure
Marathon Oil Company
Federal IBD Gas Com #2
API #30-015-23313**

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: 194 jts 2-7/8" 6.5# J-55 @ 6,109'
 - 5½" 15.5 #/ft N-80 casing capacity = 0.1336 ft³/ft
 - 8-5/8" 24 #/ft casing capacity = 0.3575 ft³/ft
-
1. Set 180 bbl working pit and flow well down as needed.
 2. MIRU plugging equipment. NU 5,000# hydraulic BOP. POOH standing back 2-7/8" tubing.
 3. RIH HM tbg-set CIBP for 17 #/ft casing on production tubing to 5,960'. RU cementer and set CIBP, circulate hole w/ plugging mud, pump 25 sx C cmt (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 33.0 ft³) on top of CIBP 5,960 – 5,713'.
 4. POOH w/ tbg.
 5. ND wellhead and BOP. Stretch 5½" casing (15.5 #/ft N-80 to 6,277'). NU wellhead and cut 5½" based on stretch measurements, estimated at 5,450'. RU 5 ½" casing tools and rams for BOP. POOH w/ 5½" casing.
 6. RIH w/ tbg to 50' inside casing stub. Load hole w/ plugging mud and pump 45 sx cmt w/ 2% CaCl₂ (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 59.4 ft³). WOC and tag this plug to insure 100' plug (minimum 50' above casing stub)
 7. POOH w/ tbg to 3,600'. Load hole w/ plugging mud and pump 40 sx cmt (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 52.8 ft³) 3,600 – 3,453'.
 8. POOH w/ tbg to 2,050'. Load hole w/ plugging mud and pump 60 sx cmt w/ 2% CaCl₂ (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 79.2 ft³) 2,050 – 1,829'. WOC and tag this plug no deeper than 1,950'.
 9. POOH w/ tbg. ND BOP and wellhead.
 10. RIH w/ tubing to 198' and pump 55 sx C cmt (1.32 ft³/sk, 14.8 ppg w/ 6.3 gal/sk, slurry volume 72.6 ft³) 198' to surface. RDMO.
 11. 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:	7,500
RRC District:	Artesia	Drilling Commenced:	
Section:	30	Drilling Completed:	
Block:		Date Well Plugged:	
Survey:	T-21-S; R-23-E	Longitude:	
Unit Letter A; 800 FNL & 200 FEL		Latitude:	
		Freshwater Depths:	
API #:	30-015-23313		
Lease or ID:	NM 0384625		

Casing					
Description	Size (inches)	Depth (feet)	TOC (feet)	Cement (sacks)	Hole Size (inches)
Surface:	13-3/8	148	Surface		
Intermediate:	8-5/8	2,000	Surface		
Production:	5-1/2	7,500	5,650		

Existing Plugs					
Description	Top (feet)	Depth (feet)	Volume (sacks)	Volume (cu ft)	
1 CIBP w/ 10' cmt (set 10/14/00)	7,300	7,302	1	1.32	
2 CIBP w/ 85' cmt (set 12/09/02)	6,895	6,980	8	10.56	

Perforations			
Formation	Top (feet)	Depth (feet)	
Wolfcamp Perforations	6,006	6,062	
Upper Penn	7,026	7,080	
Upper Penn	7,144	7,212	
Upper Penn, squeezed in 1986	7,162	7,214	
Penn, squeezed in 1980	7,262	7,278	
Penn	7,314	7,340	

Formations		
Name	Top of Formation	

Comments
194 jts 2-7/8" w/ wireline entry sub @ +/- 6,109'

Prepared By: Jim Newman
Date: October 23, 2003

TRIPLE N
SERVICES INC.
MIDLAND, TX

Field Name:	Indian Basin		
County:	Eddy	Well Type:	Oil
State:	New Mexico	Depth:	7,500
RRC District:	Artesia	Drilling Commenced:	
Section:	30	Drilling Completed:	
Block:		Date Well Plugged:	
Survey:	T-21-S; R-23-E	Longitude:	
Unit Letter A:	800 FNL & 200 FEL	Latitude:	
		Freshwater Depths:	
API #:	30-015-23313		
Lease or ID:	NM 0384625		

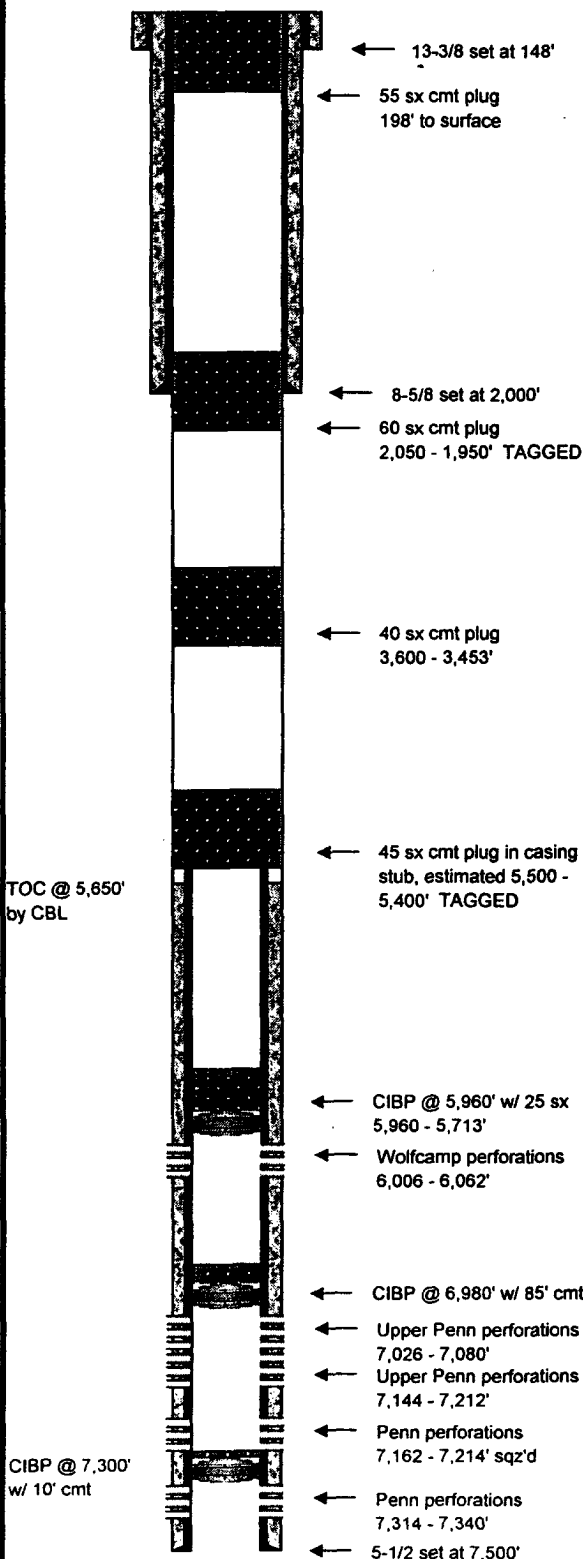
Casing					
Description	Size (inches)	Depth (feet)	TOC (feet)	Cement (sacks)	Hole Size (inches)
Surface:	13-3/8	148	Surface		
Intermediate:	8-5/8	2,000	Surface		
Production:	5-1/2	7,500	5,650		

Existing & Proposed Plugs					
Description	Top (feet)	Depth (feet)	Volume (sacks)	Volume (cu ft)	
1 CIBP w/ 10' cmt (existing)	7,300	7,302	1	1.32	
2 CIBP w/ 85' cmt (existing)	6,895	6,980	8	10.6	
3 CIBP w/ 25 sx cmt	5,713	5,960	25	33.0	
4 class C cmt, balanced, tagged	5,400	5,500	45	59.4	
5 class C cmt, balanced	3,453	3,600	40	52.8	
6 class C cmt, balanced, tagged	1,950	2,050	60	79.2	
7 class C cmt, balanced	surface	198	55	72.6	

Perforations			
Formation	Top (feet)	Depth (feet)	
Wolfcamp Perforations	6,006	6,062	
Upper Penn	7,026	7,080	
Upper Penn	7,144	7,212	
Upper Penn, squeezed in 1986	7,162	7,214	
Penn, squeezed in 1980	7,262	7,278	
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Formations		
Name	Top of Formation	

Comments



Prepared By:

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Date:

October 23, 2003