

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No 1004-0137  
Expires March 31 2007

**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  
**JAN 31 2008**  
**OCD-ARTESIA**

2 Name of Operator  
**Marathon Oil Company ATTN: Charles E. Kendrix**

3a Address  
**P.O. Box 3487 Houston, TX 77253-3487**

3b Phone No (include area code)  
**713-296-2096**

4 Location of Well (Footage, Sec. T. R. M. or Survey Description)  
**Unit Letter "N", 660 FSL & 1,998 FWL, Section 12, T-21-S, R-23-E**

5 Lease Serial No  
**NMNM05551A**

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No  
**NMNM94494**

8. Well Name and No  
**Bones Flats "12" Federal Com #6**

9. API Well No.  
**30-015-29192**

10 Field and Pool, or Exploratory Area  
**Indian Basin Morrow (78960)**

11 County or Parish, State  
**Eddy**

**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 (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"/> Water Shut-Off (grnty)
<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	

**ACCEPTED FOR RECORD**  
**FEB 17 2008**  
**Gerry Guye, Deputy Field Inspector**  
**MOCD-District II ARTESIA**

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 shall 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 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 current wellbore diagram

9-5/6" csg @ 1,205', circulated with 550 sx; 7" csg set @ 8,100' cemented with 1,275 sx, circulated 277 sx to pit. PBTD 7,532'

1. Notify BLM & MOCD (Carlsbad). Set steel working in MIRU Triple N plugging equipment
2. NU BOP and RHM w/ tubing, tag PBTD @ ~7,532', displace plugging mud
3. Pump 30 sx cement @ 4,800'
4. Pump 30 sx cement @ 2,171' WOC & TAG no deeper than 2,071'
5. Pump 30 sx cement @ 1,271' WOC & TAG no deeper than 1,171'
6. Pump 30 sx cement 384 - 484'
7. Pump 2 1/2" cement 60' to surface
8. Cut off wellhead & anchors, install dry hole marker. Leave location clean & clear of trash

**SEE ATTACHED FOR CONDITIONS OF APPROVAL**

**SEE ATTACHED FOR CONDITIONS OF APPROVAL**

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

**James F. Newman, P.E.**

Title **Engineer, Triple N Services, Inc.**

Signature

Date

**01/17/2008**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE JAN 29 2008**

Approved by

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.

Title

Office

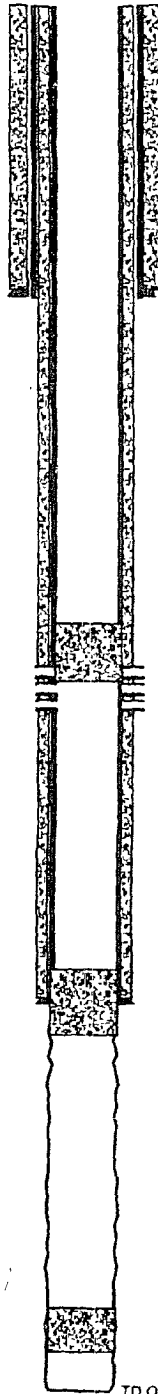
**APPROVED**  
**01/17/2008**  
**JAN 29 2008**  
**JAMES A. AMOS**  
**SUPERVISOR-EPS**

Title 18 USC Section 1001 and Title 43 USC 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



**Bone Flats Federal 12 No. 6**  
 Plug Back Well After Unsuccessful Morrow Deepening

Marathon Oil Company  
 Bone Flats Federal 12 No. 6  
 27-Oct-05



Dry hole Tree installed

Surface Casing  
 9 5/8" set @ 1205' Cmtd w/ 550 sks

Cement plug 50 sks @ 7532' - 7807'

Squeezed Upper Penn Perforations 7796' - 7888'  
 181 holes

Cement plug 25 sks // 8016' to 8156'

Cement plug 25 sks // 8961' to 9105'

TD Open Hole @ 9713'

7" casing set @ 8100' w/ 1275 sks cmt

CIC 27767

Well Name & Number	Bone Flats Federal 12 No. 6		Lease	Bone Flats Federal 12	
County or Parish	Eddy	State/Prov.	New Mexico	Country	USA
Perforations: (MD)				(TVD)	9713'
Date Completed:	06/07/04			RKB:	
Prepared By	Charles Kendrix		Last Revision Date.	10/27/05	

Marathon Oil Company  
NMNM05551A; Bones Flat 12 Fed Com #6  
660' FSL & 1998' FWL  
Section 12, T. 21 S., R. 23 E.  
Eddy County, New Mexico

RE: Plugging and Abandonment, Conditions of Approval

Step #3, set 150' cement plug across the Wolfcamp formation 6025' – 5875', WOC and Tag no deeper than 5875'

Step #4, set 140' cement plug across the Bone Spring formation 4370' – 4230'

Step #5, set 130' cement plug across the Delaware formation 3365' – 3235'

Step #6, set 100' plug across the surface casing shoe at 1205' (50' in/out), WOC and Tag no deeper than 1155'

Step #7, set 100' plug at 584' – 484' (this plug is optional, was identified in procedure but no indicators that it is necessary)

Step #8, set 60' surface plug at 60' - surface

If you have any questions, please contact Jim Amos at 505-234-5909.

J. Amos, 1/27/08

Note: A minimum plug of 100' plus 10% per 1,000' is required on all plugs.

**BUREAU OF LAND MANAGEMENT**  
**Carlsbad Field Office**  
**620 East Greene Street**  
**Carlsbad, New Mexico 88220**  
**575-234-5972**

**Permanent Abandonment of Federal Wells**  
**Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

**If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Dry Hole Marker:** All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.