

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**

**RECEIVED**

DEC 1 2 2005

SMD Well

UULANTEOM

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Marathon Oil Company

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)

Surface UL"1", 1494' FSL & 688' FWL Sec 20, T-21-S, R24-E

Bottom UL"1", 1493' FNL & 1523' FWL Sec 20, T-21-S, R-24-E

5. Lease Serial No.

LC 064391 B

6. If Indian, Allottee or Tribe Name

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

NM 70964

8. Well Name and No.

Indian Hills Unit No. 30

9. API Well No.

30-015-31655

10. Field and Pool, or Exploratory Area

Indian Basin Devonian SWD

11. County or Parish, State

Eddy

NM

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

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat       | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <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 checked="" 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 recompleate 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 recompleation 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 final site is ready for final inspection.)

Marathon Oil Company has completed operations per BLM & NMCD specifications to plug back the Devonian SWD formation in the Indian Hills Unit No. 30 well. The details of well work performed and a well bore diagram of the well as it is currently configured are attached with this sundry notice.

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

Charles E. Kendrick

Title

Engineering Technician

Date 12/08/2005

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

Approved by

Title

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

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

**Indian Hills Unit No. 30**  
**Abandon / Plug back**  
**Devonian SWD Zone**

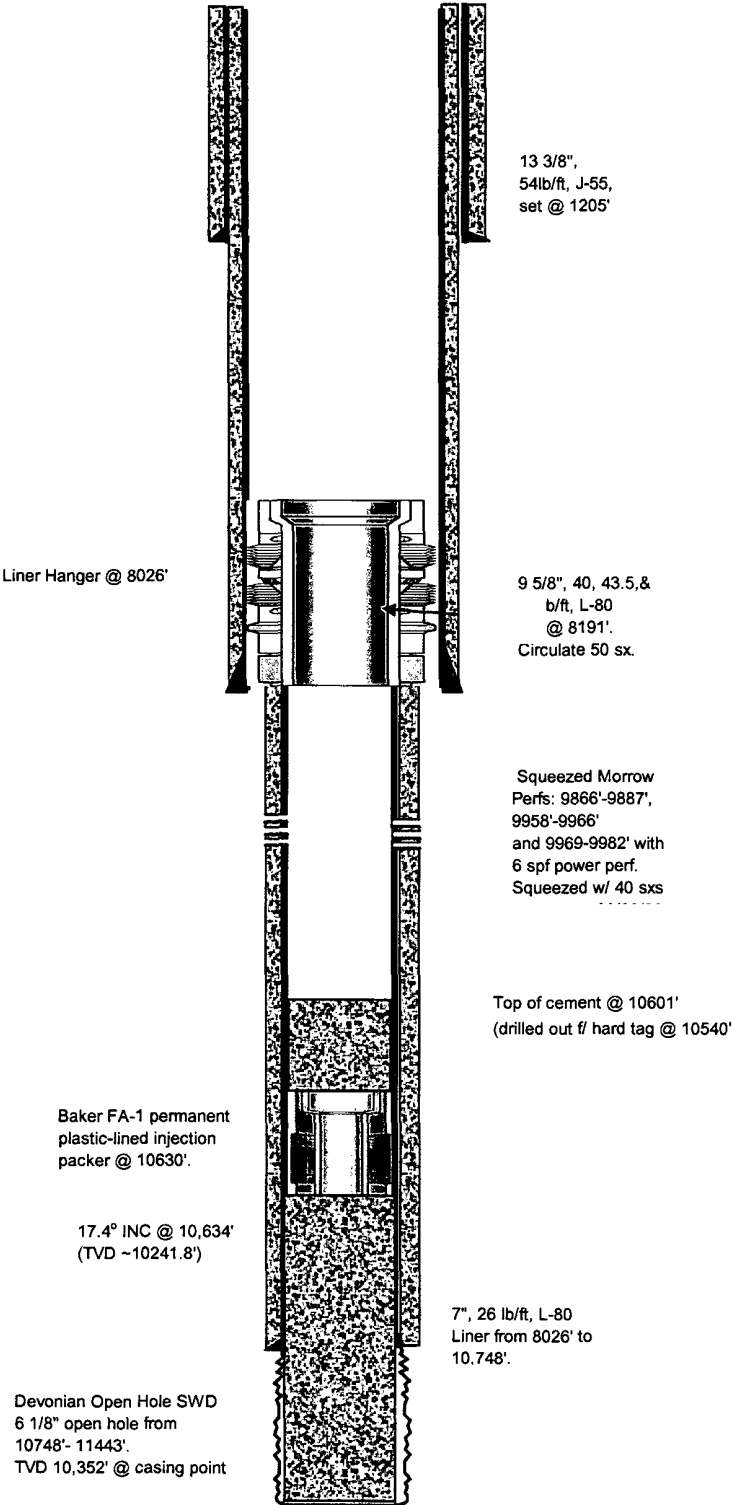
- 09/06/2005 RU McVay Drilling Rig. Rig up casing crew & lay down machine. Rig up kill truck & test BOP to 3000 psi. Unsting seal assembly from Baker permanent packer. Well u-tubing recovered 30 bbls KCL water to truck. Pump 60 bbls brine water to back side. POOH laid down split string 7" X 4 1/2" plastic coated injection string. Pumped 100 bbls brine.
- 09/07/2005 Nipped down and stripped off BOP. Install flange and valve. Released rig.
- 11/01/2005 RUPU. Set pipe racks. Take delivery of 365 jts 2 7/8" tubing (workstring).
- 11/02/2005 Pumped 100 bbls 10# brine. Nipple down well head. NU & tested BOPs. RIH w/ 7" RTTS packer on 200 jts 2 7/8" tubing. SI
- 11/03/2005 Cont in hole w/ 2 7/8" workstring. Entered 7" liner @ 8026'. Cont in hole w/ packer & tubing to tag permanent packer @ 10,631'. POOH to 10,552' run in hole with tubing subs to 10,570' left packers swinging. Secure well and shut down until Halliburton available.
- 11/05/2005 Set RTTS packer @ 10,570'. Load & test casing to 600 psi. RU Halliburton. Established injection rate of 3 bpm @ 500 psi. Pumped 200 sks premium cement + .25% CFR-3 + .6% Halad ®-344 @ 16.4 ppg. 37.8 bbls slurry total. Displaced slurry w/ 62 bbls fresh water. Pressured up to 357 psi bled down to 50 psi in 2 minutes. Released RTTS and tripped 50 stands out. Left packer swinging. SI
- 11/06/2005 RIH to tag. Tagged permanent packer @ 10,631 – no cement. Pressure test to 3000 psi – bled down to 450 psi in 12 minutes, did not bleed below 450. Repeated pressure test three times with same result. RIH w/ wireline tagged top of cement @ 10,869'. (121' below casing in open hole). POOH w/ 20 jts tubing. Left packer swinging and SI.
- 11/07/2005 RIH w/ 20 jts, left packer swinging. Hung off tubing and installed ball valve. RD PU Wait on orders .
- 11/08/2005- 11/27/2005  
Received approval from Van Barton w/ NMOCD to dump bail or pump open ended to bring cement to above permanent packer.

- 11/28/2005 RUPU. POOH w/ workstring and RTTS packer. Laid down RTTS. RIH w/ 2 3/8" mule shoe joint, 10 jts 2 3/8" tubing, cross over, and 2 7/8" Workstring. Worked mule shoe joint through permanent packer @ 10,631'. Tagged top of cement @ 10,869'. POH to 10854'. Loaded hole w/ 60 bbls fresh water. SI
- 11/29/2005 Rigged up BJ cement services. Test surface lines to 6,000 psi. Broke circulation w/ 5 bbls fresh water. Pumped 85 sks of H cement w/ 1 gal FP-6L + 25 obs FL-62 (3/10% per sack) @ 15.6 ppg w/ 1.18 cuft yield for a total of 18.1 bbls slurry, displaced w/ 60 bbls fresh water. POOH w/ 9 jts tbg. RU and reversed out 80 bbls fluid. RD & released BJ Services. POOH w/ 32 jts tbg. Wait on cement for 4 hours. RIH and tagged TOC @ 10,541'. POOH w/ 30 jts. SI
- 11/30/2005 Cont. out of hole w/ tbg. Laid down bottom 10 jts 2 3/8" tubing, including mule shoe joint. PU RIH w/ 6 1/8" bit, 6 - 4 3/4" drill collars, on 2 7/8" tubing. SI
- 12/01/2005 Cont. in hole w/ 2 7/8" tubing. Hard tagged @ 10,540. Rig up power sviwel. Drilled out cement from 10,540' to 10601'. (Cement 30' over top of permanent packer) POOH laying down pipe.
- 12/02/2005 RD PU. Marathon will move back on and recomplete this well to an upper formation before the end of 2005.



Indian Hills Unit #30  
After Plug back of Devonian  
SWD Formation

GL 3791', KB 3817', TD 11443'  
(Depths are Measured Depth)



Prepared By:	Charles Kendrix	Last Revision Date:	12/08/05
--------------	-----------------	---------------------	----------