

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTN.M. Oil Cons. DIV-DIST 2  
1301 W. Grand Avenue  
Artesia, NM 88202-1930FORM 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

JUN 03 2005

OCC-ARTESIA

## 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)

SHL UL "A" 806'FNL &amp; 1010' FEL Sec 28, T-21-S, R-24-E

BHL UL "P" 800'FSL &amp; 1112' FEL Sec 21, T-21-S, R-24-E

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

Indian Hills Unit

NM-70964A

## 8. Well Name and No.

Indian Hills Unit No. 45

## 9. API Well No.

30-015-32338

## 10. Field and Pool, or Exploratory Area

Indian Basin Upper Penn  
Associated (33685)

## 11. County or Parish, State

Edgy 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 <u>Drill to new</u> |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | <u>bottom hole</u>                                 |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            | <u>location</u>                                    |

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 final site is ready for final inspection.)

Marathon Oil Company has completed the re-entry of the Indian Hills Unit No. 45. Marathon had planned to drill this directional well to a new BHL in UL "I", Section 21, T-21-S, R-24-E, however due to problems with lost circulation and sticking the drill pipe plans to drill directionally into UL "I" were abandoned. The well was drilled to a BHL 500' further north and 24' further east in UL "P" and put back on production at that point. Please see the attachment for details of drilling operations. Sundry and Completion report for production start up at the new BHL will follow.

SHL UL "A" 806'FNL &amp; 1010'FEL Section 28, T-21-S, R-24-E Lease NM-06293A

Old BHL UL "A" 305'FSL &amp; 1136'FEL Section 21, T-21-S, R-24-E Lease NM-07260

New BHL UL "A" 800'FSL &amp; 1112'FEL Section 21, T-21-S, R-24-E Lease NM-07260

ACCEPTED FOR RECORD

JUN - 1 2005

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

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

Charles E. Kendrick

## Title

Engineering Technician

Date 05/23/2005

## 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. 45**  
**Drill out to new BHL**  
**Indian Basin Upper Penn Associated (33685)**

- 08/29/2004** Rigged up Baker Atlas, RIH w/ CIBP on wireline. Ran CCL strip. Set CIBP at 7740'. Rigged down BA. RIH w/ 2 7/8" drill pipe, tagged CIBP at 7732 pipe measurement (+8' correction to ELM). Test new Hyril and casing to 500 psi. TOH w/ pipe and picked up whipstock and starter mill RIH. Rigged up Scientific and ran gyro. Oriented whipstock at 359.7 °. Set whipstock. Took check shot survey at 0.87°. Sheared starter mill off of whipstock face. POOH w/ wireline. Rigged down Scientific. Picked up swivel and made starter cut for window. Pulling out of hole with starter mill.
- 08/30/2004** Picked up window mill and and watermelon mill. TIH to whipstock. Milled window in casing f 7722' to 7732'. Drilled formation to 7736'. POOH laid down window and watermelon mill. Picked up 4 3/4" bit, motor, and MWD. TIH to 7066'. Ran wireline antenna to EMI tool. TIH to 7736'. Drilled open slide f/ 7736' to 7760'.
- 08/31/2004** Drilled f/ 7760' to 7856'. Lost complete returns. POOH. RIH open ended and spotted polymer LCM pill. Tripped for drilling assembly. Drilled f/ 7856' to 7868' without returns.
- 09/01/2004** Drilled f/ 7868' to 7910' w/ no returns. POOH. RIH opened with drill Pipe. Spotted polymer pill. POOH. Picked up lateral BHA. RIH to 7066'. EMI failed to operate. POOH.
- 09/02/2004** POOH. MWD and motor plugged w/ LCM pill. Changed out MWD and motor. TIH t/ 7066'. Ran wireline antenna to EMI tool. TIH t/ 7229'. Attempted to load hole and circ. Pumped 300 bbls no returns. TIH to 7534' Attempted to load hole and circ. Pumped 200 bbls no returns. TIH t/ 7906' Attempted and failed to pump down drill pipe, BHA plugged. PUH attempting to pump into drill pipe. All attempts failed. Pulled wireline antenna from EMI tool. POOH left bottom portion of motor in hole. Housing broke below welded stabilizer blades on outside. Left approximately 4.5' fish in hole. Made up 4 3/8" overshot and extension TIH to catch fish.
- 09/03/2004** RIH w/ overshot to 7887' failed to catch fish. POOH changed grapples. RIH and catch fish. POOH w/ fish. Removed jets from bit. Picked up lateral motor and MWD BHA. TIH to 7066'. Ran wireline Antenna to EMI tool. TIH t/ 7690'. Washed w/ no returns f/ 7690' to 7910'. Drill open slide f/ 7910' to 7922' with no returns.

**09/04/2004** Drilled f/ 7922' to 7986'. Short trip. Drilled f/ 7986' to 8002'. Stuck pipe. Short trip. Drilled f/ 8002' to 8050'. Surveying w/ MWD tools.

**09/05/2004** Drilled f/ 8050' t/ 8097'. TOH to change BHA. Drilled f/ 8097' to 8162'.

**09/06/2004** Drilled from 8162' to 8287' w/ periodic trips back into to casing to Wash, ream, and pump acid to clean up hole.

**09/07/2004** Drilled from 8287' to 8348'. Made short trip back into casing. Drilled f/ 8348' to 8413'. Backreamed out of lateral. POOH laid down directional equipment. Waiting on equipment to pull whipstock. NOTE : BHL @ MD 8413', TVD 7696.88', 1606.09 N & 102.31 W.

**09/08/2004** Pulled whipstock. Laid down drill pipe. Start picking up production tubing. RIH w/ bent joint to enter lateral.

**09/09/2004** Ran production tubing into window. Hung tubing off with end of tubing @ 7753'. Rigged down rig.