

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NHOCD

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000**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.*5. Lease Serial No.  
NMNM07260

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.  
INDIAN HILLS UNIT 592. Name of Operator  
MARATHON OIL COMPANYContact: CHARLES E KENDRIX  
E-Mail: CEKENDRIX@MARATHONOIL.COM9. API Well No.  
30-015-337593a. Address  
P O BOX 3487  
HOUSTON, TX 772533b. Phone No. (include area code)  
Ph: 713-296-2096  
Fx: 713-499-675010. Field and Pool, or Exploratory  
UPPER PENN

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 20 T21S R24E NENE Lot 1 1117FNL 641FEL  
32.28072 N Lat, 104.30515 W Lon

RECEIVED

DEC 17 2004

OCD-ARTESIA

11. County or Parish, and State

EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<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.)

Marathon Oil Company has completed setting and testing of surface casing for the Indian Hills Unit No. 59, please see attachment for details of well work performed.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #51943 verified by the BLM Well Information System For MARATHON OIL COMPANY, sent to the Carlsbad Committed to AFMSS for processing by ARMANDO LOPEZ on 12/16/2004 (05AL0056SE)	
Name (Printed/Typed) CHARLES E KENDRIX	Title ENGINEERING TECHNICIAN
Signature (Electronic Submission)	Date 12/16/2004

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <b>ACCEPTED</b>	ALEXIS C SWOBODA Title PETROLEUM ENGINEER <i>acs</i>	Date 12/16/2004
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 Carlsbad

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

## **Indian Hills Unit No. 59**

### **Set and Test Surface Casing**

**12/01/2004** Drilled w/ air hammer to 61' lost complete returns w/ air at 58'. POOH w/ hammer. Dumped 10 yds Redi-Mix cement with 3% accelerator & 4 sks CaCl. Hole did not fill. Dumped 10 yds Redi-Mix w/ 3% accelerator & 4 sks CaCl. Tag top of cement w/ tag line @ 57'. WOC. RIH w/ hammer drilled 57' to 67'. Lost complete returns @ 66'. POOH w/ hammer. Dumped 10 yds Redi-Mix w/ 3% accelerator & 2 sks CaCl. Tagged top of cement w/ tag line @ 53'.

**12/02/2004** Dumped 5 yards Redi-Mix cement w/ 3% accelerator & 2 sks CaCl. Tagged top of cement @ 54'. RIH attempted to establish circulation, failed. Tagged solid @ 57'. POOH w/ bit. Dumped 10 yards Redi-Mix cement w/ 3% accelerator & 3 sks CaCl. WOC. Dumped 2 yards Redi-Mix w/ 3% accelerator & 2 CaCl. Hole filled w/ cement. WOC. Drilled w/ air hammer to 77'. Lost returns. Drilled 77' to 117' w/ sporadic returns. POOH w/ hammer wait on cement to arrive.

**12/03/2004** Dumped 10 yards Redi-Mix w/ 3% accelerator & 3 sks CaCl. Fluid level 50' from surface. Dumped 10 yards Redi-Mix w/ 3% accelerator & 3 sks CaCl. Fluid level 50' from surface. Dumped 10 yards Redi-Mix w/ 3% accelerator & 3 sks CaCl. Fluid level 50' from surface. Dumped 10 yards Redi-Mix w/ 3% accelerator & 3 sks CaCl. Fluid moved up into conductor pipe. WOC. RIH w/ hammer, drilled 77' to 88' lost complete returns @ 78'. POOH w/ hammer. Dumped 9 yds Redi-Mix w/ 3% accelerator & 3 sks CaCl. Conductor filled w/ cement to within 5' of window. WOC

**12/04/2004** RIH w/ hammer drilled f/ 26' to 117'. Drilled w/ air f/ 117' to 154'. Lost returns and went on vacuum. Back ream hammer out of hole f/ 154' to 142'.

**12/05/2004** Worked pipe free left hammer in the hole. Ran bit and reamer. Cleaned out hole to top of fish. Milling fishing neck on hammer.

**12/06/2004** Milled on hammer. Made two trips to retrieve hammer. Recovered hammer left air bit in hole. Washing to bottom to locate fish.

**12/07/2004** Fished parts to air bit and hammer. Tried to drill by bit and junk failed.

**12/08/2004** RIH w/ mill shoe. Milled on fish @ 148'. Made approximately 6'. Trip for new shoe. Milled f/ 148' to 150' broke through and ran magnet.

**12/09/2004** Cleaned junk out of hole w/ magnet. Dumped 7 yards Redi-Mix to stabilize hole. Drilled cement f/ 76' to 174'. Air drilled 174' to 228'.

**12/10/2004** Air/ Mist drilled f/ 228' to 995'. Made short trip to 120'. Air/ Mist drilled 995' to 1211'.

**12/11/2004** Air / Mist drilled f/ 1211' to 1526'. Hole torquing and dragging bad. Worked pipe out of hole. Found 2 pieces of bit sub missing. Bit was completely worn from drilling on junk. Running magnet.

**12/12/2004** RIH w/ magnet to 1526'. No recovery. Ran drilling assembly. Air/ Mist drilled from 1526' to 1612'. Dropped wireline survey tool in hole. Tripping to recover wireline survey tool.

**12/13/2004** Recovered survey tool. Air Mist drilled f/ 1612' to 1820'. RIH w/ 9 5/8" casing to 1820' in the following sequence top to bottom:

- 2 jts 9 5/8" 40# K-55 casing
- 36 jts 9 5/8" 36# K-55 casing
- 1 9 5/8" float collar
- 1 jt 9 5/8" 36# K-55 casing
- 1 9 5/8" float collar
- 1 9 5/8" Texas pattern shoe

Cemented surface casing w/ 10,000 scf nitrogen, 10 bbls fresh water, 20 bbls gel, 10 bbls fresh water, 900 sks foamed Premium Plus + 1.5% Zonesealant 2000 + 2 % CaCl, 150 sks Premium Plus + 2% CaCl. Dropped plug and displaced cement with 138 bbls water, bumped plug. No nitrogen or cement returns.

**12/14/2004** Topped out with 300 sks foamed Premium Plus + 2% Zonesealant 2000 + 2% CaCl. Capped out w/ 75 sks Premium Plus + 15 #/sk Cal Seal + 2% CaCl. WOC

**12/15/2004** Tripped in the hole w/ directional drilling assembly. Drilled float collar and cement to 1800'. Tested casing to 1000 psi.