

NMOC

Form 3160-5
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**5. Lease Serial No.
NMLC064391B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM70964X8. Well Name and No.
INDIAN HILLS UNIT 469. API Well No.
30-015-33008-00-X110. Field and Pool, or Exploratory
INDIAN BASIN UPPER PENN ASSOC11. County or Parish, and State
EDDY COUNTY, NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
MARATHON OIL COMPANYContact: CHARLES KENDRIX
E-Mail: cekendrix@marathonoil.com3a. Address
P O BOX 3487
HOUSTON, TX 77253-34873b. Phone No. (include area code)
Ph: 713.296.2096
Fx: 713.499.6750

RECEIVED

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

Sec 29 T21S R24E NWNW 710FNL 794FWL

FEB 06 2004
OCD-ARTESIA

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 Drilling Operations
	<input type="checkbox"/> Change Plans	<input 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 prior Sundry dated 1/22/2004 for spud & surface casing detail

See attachment for drilling details.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #27477 verified by the BLM Well Information System
For MARATHON OIL COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by ARMANDO LOPEZ on 02/03/2004 (04AL0087SE)

Name (Printed/Typed) CHARLES KENDRIX

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 02/03/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED**ALEXIS C SWOBODA
Title PETROLEUM ENGINEER

Date 02/04/2004

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 ****

Drilling Detail

10/15/2003 RIH w/ 8.75" bit drilled cement 1150' to 1222'. Air drilled 1222' to 1530'.

10/16/2003 Air drilled 1530' to 2820'.

10/17/2003 Air drilled 2820' to 3266' Tripped/Replaced bit drilled 3266' to 3330'.

10/18/2003 Air drill 3330' to 3755'.

10/19/2003 Drill 3755' to 4210' w/ fluid.

10/20/2003 Drill 4210' to 4635'.

10/21/2003 Drill 4635' to 5075'.

10/22/2003 Drill 5075' to 5680'.

10/23/2003 Drill 5680' to 6325'.

10/24/2003 Drill 6325' to 6458'. Tip out 8.75" Hughes bit. RIH w. 8.75" HTC bit Drill 6458' to 6755'.

10/25/2003 Drill 6755' to 7355'. Lost 50% returns. Drilled 7355' to 7515 w/ 70% returns.

10/26/2003 Drilled 7515' to 7586' Lost returns. Drilled dry 7586 to TD @ 8117'.
Spot high viscosity sweep on bottom. POOH Rigged up loggers.

10/27/2003 Run open hole logs.(Spectral Density, Dual Spaced Neutron, Spectral Gamma Ray) to 8025'. RIH w/ bit & DC's tagged bridge at 7886' washed to bottom @ 8117'. Circ out fill.

10/28/2003 RIH with 7" 23 & 26 # K-55 Casing . Casing detail from top to bottom as follows:

2 jts	89'	26 #
96 jts	4449'	23 #
37 jts	1698'	26 #
DV Tool	2'	
Ext. Casing Packer	11'	
Casing Sub	7'	
39 jts	1810'	26 #
Float Collar	2'	
1 jt	47'	26 #
Float Shoe	2'	

Cont. 10/28/2003 Casing landed @ 8117'. Cement Stage 1: Pumped 50,000 SCF N₂, 10 bbls water spacer, 24 bbls Super Flush, 10 bbl water spacer, 100 sks Foamed Acid Soluble Cmt, 160 sks foamed Premium Plus, 120 sks Super 'H' Displaced w/ 314 bbls water.

Cement Stage 2 : Set external casing packer, dropped bomb opened DV Tool pumped 155 bbls before returns. Dry (no cement) from DV Tool to surface. Found six inch vertical split in 9 5/8th casing from bottom of 11" 3M X 9 5/8th SOW csg head. Welded on 9 5/8th patch on outside of casing (6" X 12"). Cmt 2nd stage w/ 580 sks of Interfill "C" tailed w/ 100 sks of Premium Plus. Zero sks circulated to pit. Good returns
Flowing casing pressure 1400 psi. Estimated top of cement 800'.

10/29/2003 Set slips, cut off casing, pulled BOP, nipped up tubing head.