

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.

NMOC

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM04827B
2. Name of Operator MARATHON OIL COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address P O BOX 3487 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No. NMNM70998B
3b. Phone No. (include area code) Ph: 713-296-2096 Fx: 713-499-6750		8. Well Name and No. N INDIAN BASIN 23
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 2 T21S R23E NWNW Lot D 760FNL 760FWL		9. API Well No. 30-015-28578-00-S2
		10. Field and Pool, or Exploratory N INDIAN BASIN MORROW
		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 Well Test
	<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.)

Ran tracer and step rate pump in test on North Indian Basin Unit No. 23 Morrow

09/15/2004 Rigged up Haliburton kill truck, data van, and Key water transport. Hooked up high pressure lines to casing annulus and tubing. Started SPIDER gauge sampling surface pressures @ 1 data point per second. MIRU Baker Atlas electric line and hoist truck. RIH w/ electric line & 1.69 gauge ring. Could not get past tubing hanger. Attempted to run bare 1.375" sinker bars, but string would not fall, not enough weight. RU logging tools and RIH. Correlated to depth w/ GR-CCL. Open well to blow down to tank on 15/64" choke w/ surface pressure of 2100 psi. Blew down to 1500 psi in 10 minutes. Ran temperate log while blowing down. Pressure @ 1000 psi in 21 minutes. Blew down tubing to 350 psi. Hooked up echometer and shot fluid level. FL @ 2000' from surface. Rig up Haliburton and pressured up casing annulus w/ 1000 spi. Shut in casing, monitoring pressure. Hooked up Haliburton to tubing established a rate of .06 BPM @ 600 psi while running tracer survey.

Accepted for record - NMOC

14. I hereby certify that the foregoing is true and correct. Electronic Submission #52856 verified by the BLM Well Information System For MARATHON OIL COMPANY, sent to the Carlsbad Committed to AFMSS for processing by ARMANDO LOPEZ on 01/11/2005 (05AL0085SE)	
Name (Printed/Typed) CHARLES E KENDRIX	Title ENGINEERING TECHNICIAN
Signature (Electronic Submission)	Date 01/10/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	ALEXIS C SWOBODA Title PETROLEUM ENGINEER	Date 01/13/2005
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 **

Additional data for EC transaction #52856 that would not fit on the form

32. Additional remarks, continued

Haliburton estimated fluid level @ 3000' from surface. Tagged up high on survey TD @ 9328' 121 of fill covers the bottom 6' of perms. Completed tracer survey and shut down Haliburton. POH w/ Baker temperature/tracer log. Initiate HES step rate pump-in/fall off test. Pump of 1 & 2 BPM for 10 minutes each stage. A 3 BPM pressure continued to rise so maintained rate. RD Haliburton. Well remains SI w/ pressure monitoring equipment capturing tubing surface pressures.

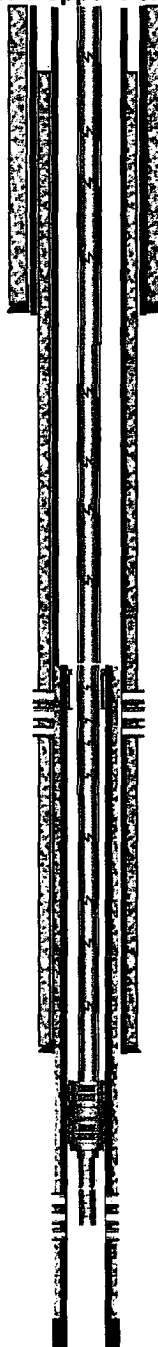
Well bore diagram of final well configuration is attached w/ this sundry notice.

Accepted for record - NMOCD



North Indian Basin Unit No. 23
Morrow completion / Upper Penn Abandoned

Marathon Oil Company
North Indian Basin Unit No. 23
10-Jan-05



Top of cement on 7" production string.
"Water w/ Gillsonite pumped to surface when plug
bumped, cement near to surface."

Surface Casing
9 5/8" set @ 1206' Cmted w/ 425 sks
Cement to surface w/ 50 sks via 1" tubing
Total cement 475 sks

Top of 4 1/2" liner 6961'

Squeezed Upper Penn perforations
7588' - 7828'

7" casing @ 8015' cemented w/ in 2 stages
1st stage pumped 450 sks circ 85 sacks through DV
to surface
2nd stage pumped 750 sacks above DV Tool

PLS packer @ ~9240'

Morrow perforations 9267' - 9334'

4 1/2" Casing Liner @ 9500' cemented w/ 200 sks

XN Nipple @ ~9272'

Bottom of tubing @ ~9304'

Accepted for record - NMOCD

Well Name & Number:	North Indian Basin Unit No. 23		Lease	North Indian Basin Unit	
County or Parish:	Eddy	State/Prov.	New Mexico	Country:	USA
Perforations: (MD)	9267' - 9281' / 9311' - 9334'		(TVD)	9500'	
Date Completed:	04/22/04		RKB:		
Prepared By:	Charles Kendrix		Last Revision Date:	01/10/05	