

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD

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.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

JAN 12 2005

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 checked="" 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 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 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 operations to re-perforate and fracture treat the North Indian Basin Unit No. 23 in the Indian Basin Morrow (78960) reservoir. (During work to prepare for fracture, it was discovered that the original perforations were shot 8 feet higher than planned. The perforations were re-shot and the fracture completed. Please see details in the attached word document for the new perforations and the fracture treatment.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #52725 verified by the BLM Well Information System For MARATHON OIL COMPANY, sent to the Carlsbad Committed to AFMSS for processing by ARMANDO LOPEZ on 01/07/2005 (05AL0083SE)	
Name (Printed/Typed) CHARLES E KENDRIX	Title ENGINEERING TECHNICIAN
Signature (Electronic Submission)	Date 01/07/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	ACCEPTED	ALEXIS C SWOBODA Title PETROLEUM ENGINEER	Date 01/10/2005
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 ****

North Indian Basin Unit No. 23 Morrow

Re-perforate and fracture treat

05/31/2004 RUP Pulling Unit. RU slickline unit. Attempted to release guns w/ wireline mechanical release. Could not get down to guns. Tagged @ 8738'. Recovered pieces of soap stick on release tool. RIH w/ 1.625" slickline bailer worked down to 8745'. Sticking bailer POOH. RIH w/ 1.375" slickline bailer worked down to 8740'. Bailer sticking POOH. Loaded tubing w/ 7.5 bbls KCL water. Pressured up to 2000 psi. Tubing plugged. Nippled down tree and nipple up BOP. Pick up tension on tubing and attempted to release guns with slickline tool, failed. Tested packer to 1000 #, held. Released tubing from on/off tool and POOH w/ 220 joints 2 3/8" tubing. SI

06/01/2004 Continued OOH w/ remaining tubing. Laid down 11 jts and marker sub above on/off mandrel due to bent tubing. RIH w/ 78 jts 2 3/8" tubing, 2 3/8" X 3 1/2" crossover, 217 jts 3 1/2" L-80 tubing. Hydrotested all connections to 9000 psi below slips. Stung into on/off tool. Tested packer to 1000# held for 15 minutes w/ no bleed off. RIH w/ slickline release tool attempted to release guns. Tagged solid @ 9224' (5' above release tool). SI

06/02/2004 RIH w/ 1 11/16" chemical cutting tool w/ collar locator on rotary wireline. Ran through X profile nipple and PLS packer into joint below packer. Unable to move below 9173'. Shot off tubing in first joint below packer. RIH w/ wireline to top of fish @ 9281'. Release packer and POOH w/ tubing, packer, tubing sub, and cut joint. RIH w/ overshot w/ grapple, jars, Xcinator sub, and 6 3 1/8" drill collars on tapered string. Caught fish and POOH. RIH w/ killstring. SI

06/03/2004 POOH w/ killstring. Rigged up Baker Atlas RIH w/ gamma tool. Correlate w/ Haliburton Open Hole Log dated 03/26/2004. Logged bottom 1000' of casing. Turned up sensitivity on CLL. Showed existing perfs @ approximately 8' higher than correct. Re-shot perfs to correct depths as follows.

9275' – 9281' 36 shots 311 T charges

9319' – 9334' 90 shots 311 T charges

Total shot for these runs **126 shots**. Total shots in the casing **252**.

Rigged down Baker Atlas. RU hydrotesters. RIH w/ wireline re-entry guide, 1 jt 2 3/8" tbg, XN profile nipple, 1 jt 2 3/8" tbg, , 4 1/2" PLS packer, on/off tool, X profile nipple, 74 jts 2 3/8" tbg, X over, 216 jts 3 1/2" tbg. Tested all connections to 9000#. Set PLS packer loaded casing and tested to 1000#. SI

06/04/2004 Tested casing annuls to 1500#. Tested frac lines. Fractured well w/ 12,348 gallons, Total sand 165 sks, Total CO2 89 tons. Frac was initially designed to use 300 sks sand, but was shut down early due to failure on pressure transducers. Max treating psi =10308#, Max slurry rate= 9 BPM. Rig down Haliburton. RU Weatherford flowback manifold. Turned well to tank @ 12/64" choke.

06/05/2004 to 06/11/2004 Changed out 3 1/2" workstring to 2 3/8" tubing. Swabbed well and attempted to kick off for several days. Well would build tubing pressure but blow down quickly. Final day of swabbing well had shut in tubing pressure 420 psi which blew down in less than 10 minutes. Final swab run to 8180' w/ only scattered fluid.