

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM 04827 B
2. Name of Operator Marathon Oil Company		6. If Indian, Allottee or Tribe Name
3a. Address P.O. Box 552, Midland, TX 79702	3b. Phone No. (include area code) 915-682-1626	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2030' FSL & 1650' FWL SECTION 1, T-21-S, R-23-E		8. Well Name and No. MOC FEDERAL #8
		9. API Well No. 30-015-28823
		10. Field and Pool, or Exploratory Area Indian Basin Morrow
		11. County or Parish, State Eddy 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 checked="" 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 recompleate 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 recompleation 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.)

Work commenced 3/14/2001 to recompleate this well in the Morrow formation. SEE ATTACHED FOR DETAIL.

This well was drilled, in March, 1996, to a depth of 9660'. At that time the Morrow zone was not perfered, the well was completed in the Upper Penn. Open perfs were 7740'-7830' with perfs at 7850'-7866' squeezed. In May, 1997 more Upper Penn pay was perfered, 7685'-7740', and in April, 1998 7685'-7830' was re-perforated. In January, 1999 Marathon proposed to squeeze all perfs, deepen the well to the Devonian and convert the well to an SWD. This work was not done, instead Marathon made the decision to test the Morrow pay. The well was perfered at 9368'-9372', 9381'-9392', & 9442'-9447' and at 9210'-9226' & 9228'-9238'. No gas was made during this test, so CIBP's were set @ 8990' and 9340' with 10' of cement on top of each one. The Upper Penn zone was re-perforated from 7682'-7712' and the well was returned to producing from the Upper Penn. A sundry was filed which showed where the Morrow perfs were shot, but no completion form was filed at this time. In March, 2001 the decision was made to open up and frac the Morrow zone. The attachment describes this work in detail. Also, Form 3160-4 is being filed at this time.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Ginny Larke		Title Engineer Technician	ACCEPTED FOR RECORD JUL - 6 2001	
Date June 28, 2001		ALEXIS C. SWOBODA PETROLEUM ENGINEER		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE				
Approved by	Title			
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		

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BUREAU OF LAND MGMT
ROSEMELL OFFICE

MOC Federal Well No. 8
Recomplete in Morrow
API No. 30-015-28823

Attachment to Form 3160-5 Dated 6/28/01

1. Work commenced 3/14/2001. MIRU PU, ND wellhead & NU BOP. RU spoolers & POOH w/tbg and CT string. RIH w/bit & collars, testing tbg to 1000 psi every 10'.
2. Tagged cement, drilled out 1st CIBP @ 8990' and tagged top of 2nd CIBP @ 9340'. POOH & RIH w/RTTS packer, RU swab and made 14 swab runs recovering 79 bbls fluid.
3. Ran static BHP log. RTTS packer stuck. Cut tbg @ 9089' & POOH. RIH w/fishing tools, released packer & POOH.
4. RIH w/bit and drilled out 2nd CIBP. Pushed to 9565', POOH and RIH w/HES PLS packer, setting it @ 9322'. ND BOP, NU wellhead, swabbed well dry, rigged down and shut well in.
5. On 4/17/2001, MIRU PU, POOH w/tbg and prepare to frac well. Pump 1033 gals 15% Spearhead acid, Pumped WF40 liner gel w/50Q CO₂. Pumped in 14 stages from .5# to 4.5# of 20/40 sand. Avg rate 18 BPM @ 7900 psi. Flowed back for 30 minutes. ISIP – 5090 psi, FSITP – 2500 psi. Flowed 104 bbls of fluid to frac tanks then well died.
6. RU coiled tbg unit, RIH & washed to PBTD using nitrogen and water. POOH w/coiled tbg and started testing Morrow perms thru the 3-1/2" work string into a mobile separator and flare unit. Well flowed 2 hrs & died. (Date – 4/29/2001)
7. On 5/1/2001 RU and swabbed well. ND wellhead & NU BOP. POOH L/D 3-1/2" work string & RIH w/2-7/8" production tbg string.
8. ND BOP, NU wellhead and RU wireline. Bailed fill, made 4 swab runs and flowed well back to tank recovering 150 bbls fluid. Switched well to test separator unit and rigged down PU. Recovered 208 bbls water w/a gas rate of 200 to 225 MCFD @ FTP of 50 psi. Date – 5/4/2001.
9. 5/18/2001 Made 28 swab runs. Well would not flow. Dropped 4 soap sticks. RD swab unit. Next day the well flowed 1 hr and then died. On 5/20/2001 dropped 4 more soap sticks and SI waiting for rig.
10. 6/9/2001 MIRU PU. RIH & moved packer to 9210'. RD PU & RU Swab unit. Swabbed well, making 17 runs, well started flowing. Turned well over to production department.

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ROSWELL OFFICE