Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M Oil ... Division
1st
NM 210-2834

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: NM-070522-A
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other
8. Well Name and No.: INDIAN BASIN "C" #2
2. Name of Operator: Marathon Oil Company
9. API Well No.: 30-015-28167
3. Address and Telephone No.: P.O. Box 552 Midland, TX 79702 915/682-1626
10. Field and Pool, or exploratory Area: INDIAN BASIN UPPER PENN GAS POOL
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): UL "M", 990' FSL & 660' FWL, SECTION 26, T-21-S, R-23-E
11. County or Parish, State: EDDY NM

RECEIVED
APR 1998
OCD ARTESIA

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other SQUEEZE & REPERFORATE	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MARATHON OIL COMPANY plans to squeeze existing Upper Penn pay and reperforate as shown on the attached procedure.

14. I hereby certify that the foregoing is true and correct
Signed: Ginny Larke Title: Engineer Technician Date: 4/17/98

(This space for Federal or State office use)
Approved by: (ORIG. SGD.) GARY GOURLEY Title: PETROLEUM ENGINEER Date: APR 21 1998
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

* See Instruction on Reverse Side

INDIAN BASIN "C" WELL NO. 2
API NO. 30-015-28167
ATTACHMENT TO FORM 3160-5

April 17, 1998

Cement squeeze existing pay, reperforate, and stimulate well as follows:

1. MIRU PU.
2. ND wellhead and NU BOPs.
3. POOH w/2-7/8" tubing & sub pump.
4. PU 5-1/2" EZ SV Packer (retainer) and RIH to 6950' on 2-7/8" tubing. Set retainer @ 6950'. Pull half-way out of retainer and test tubing to 4000 psi. Pull out of retainer completely and test retainer to 1000 psi.
5. RU Halliburton. Sting into retainer & pump KCl water to establish rate. Pump 250 sx. of cement to achieve running squeeze. If running squeeze is not possible, displace cement w/water to 7000'.
6. Reverse circulate. Pull tbg to 6000' and pressure up on well to 1000 psi. Leave pressure on well overnight.
7. Shut down for at least 24 hours.
8. Release pressure and sting into retainer. Test cement to 500 psi. POOH w/tubing and stinger.
9. PU bit & DC and RIH to 6950'. Drill out cement retainer and cement. Test casing and cement to 500 psi. RIH to 7589'. Tag FC and drill out to float shoe @ 7689'. Circulate hole clean and POOH w/bit and DC.
10. RU wireline. RIH w/4" guns loaded w/32 gm tungsten liner charges @ 6 SPF with 60° phasing. Perf. 7600'-7615' (90 holes). POOH and RD wireline.
11. RIH w/5-1/2" lok-set packer w/6' sub and SN. on/off tool & 2-7/8" tubing. Set packer @ 7550'.
12. RU Halliburton. Acidize as follows:

    Pump 500 gals. 2% KCl water w/clay stabilizer to establish rate
    Pump 1000 gals. gelled Ferchek-SC acid @ 15 BPM (Max. pressure 7000 psi)
    Pump 1000 gals 2% KCl water
    Pump 1000 gals. gelled Ferchek-SC acid @ 15 BPM (Max. pressure 7000 psi)
    Pump 1000 gals 2% KCl water
    Pump 1000 gals. gelled Ferchek-SC acid @ 15 BPM (Max. pressure 7000 psi)
    Pump 1000 gals 2% KCl water
    Pump 1000 gals. gelled Ferchek-SC acid @ 15 BPM (Max. pressure 7000 psi)
    Pump 1000 gals 2% KCl water
    Pump 1000 gals. gelled Ferchek-SC acid @ 15 BPM (Max. pressure 7000 psi)
    Displace acid w/2% KCl water to perfs (under-displace by 1/2 bbl.)

    RD Halliburton.
13. Release packer and POOH.
14. RU wireline. RIH w/4" port plug guns loaded w/23 gm tungsten liner charges @ 4 SPF w/120° phasing and perf. 7381'-7438', 7448'-7470', 7482'-7540', 7548'-7574', & 7580'-7594'. POOH & RD wireline.
15. RIH w/5-1/2" PPI packer w/2' spacing to 7595'. Set packer & drop standing valve.
16. RU Halliburton. Drop FCV. PUH to 7594' and start treating perfs in 2' increments w/100 gals. 15% HCl acid per foot for a total treatment volume of 17,700 gallons. RD Halliburton.
17. PUH to 7200' and set PPI packer. Fish FCV. Fish standing valve to PPI packer.
18. Swab test well for half a day.
19. Release packer and POOH w/2-7/8" tubing and PPI tool.
20. RIH w/RBP on 2-7/8" tubing to 3000' Set RBP and test to 1000 psi. POOH.
21. ND BOPs. NU wellhead. RIH w/submersible pump on 2-7/8" tubing. Latch on to RBP. Release RBP and finish running in hole to 7665'. Land tubing in head.
22. Connect well to VSD. Monitor production.
23. RD PU.