

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil & Gas Division
811 S 1st St
Albuquerque, NM 87102-2834

FORM APPROVED *e/sf*
Budget Bureau No. 1004-0135
Expires: March 31, 1993
Lease Designation and Serial No.

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

| | | |
|---|---|---|
| 1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | 4 | 6. If Indian, Allottee or Tribe Name |
| 2. Name of Operator Marathon Oil Company | | 7. If Unit or CA. Agreement Designation |
| 3. Address and Telephone No. P.O. Box 552 Midland, TX 79702 915/682-1626 | | 8. Well Name and No. INDIAN BASIN "C" #2 |
| 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 | | 9. API Well No. 30-015-28167 |
| | | 10. Field and Pool, or exploratory Area INDIAN BASIN UPPER PENN GAS POOL |
| | | 11. County or Parish, State EDDY NM |

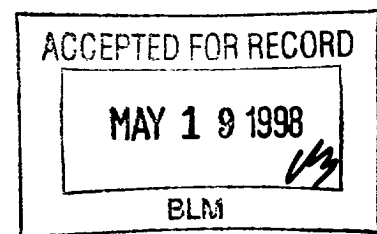
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input checked="" type="checkbox"/> Other SQUEEZE & REPERFORATE | <input type="checkbox"/> 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 squeezed existing Upper Penn pay and reperforated this well as shown on the attached sheet.



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

Signed Garry Lark Title Engineer Technician Date 5/5/98

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

**Indian Basin "C" No. 2
API No. 30-015-28167
Attachment to Form 3160-5
Subsequent Notice**

May 5, 1998

Squeeze existing pay, re-perforate, and stimulate this well as follows:

MIRU PU.

Kill well & NU BOP.

POOH w/sub pump and lay down.

PU cement retainer and RIH on 2-7/8" tubing. Pump thru retainer and set @ 7087'. Load annulus & test retainer to 1000 psi. Tested tubing to 4000 psi.

Pumped 425 sacks of cement at 0 psi. Over displaced. Reversed out. WOC.

Pumped 132 sacks of cement w/calcium chloride & 168 sacks neat. Displaced cement. Reversed clean.

Established injection rate. Cement squeezed perfs. from 7263'-7308' w/150 sacks cement. Formation squeezed off @ 2500 psi w/30 sacks of cement in formation.

Pulled 14 stands of pipe. Reversed cement to pit. RIH 7 stands and tagged cement @ 6636'.

Reversed cement and POOH w/tubing.

PU 4-3/4" bit and 6 drill collars and RIH.

PU swivel. Drilled cement from 6636' to cement retainer @ 7087'. Drilled cement retainer and cement from 7087'-7364'.

Tested to 500 psi. Pressure would bleed off 100 psi in 1 minute.

Drilled shoe joint from 7585' to 7675'. Circulated and PUH to 7300'.

RU swab. Swab wouldn't go through tubing. POOH w/13 stands of 2-7/8" tubing. Swab would not go down.

POOH w/2-7/8" tubing. RIH w/5-1/2" RBP. Set @ 3730'.

Pickled 2-7/8" tubing w/20% Fercheck acid. Ran swab. Checked o.k.

POOH w/tubing. RIH w/remaining 2-7/8" tubing. Pickled tubing. RIH swab. Tagged @ 500'. Not able to pass through tbgr.

Pickled 2-7/8" tubing w/28% Fercheck acid. Ran swab. Tagged @ 550'.

Ran paraffin cutter. POOH w/8 stands. L/D 2 joints of tubing.

Ran in w/swab o.k.

POOH w/RBP. RIH w/RTTS and set @ 7070'. Swabbed fluid from 3000' to 6200' in 10 runs.

POOH. Perf from 7600'-7616' w/6 JSPF.

Attempted to acidize perfs in 5 stages w/total of 5000 gals. SC acid. Could not break down perfs. Opened bypass on RTTS.

Spotted acid to packer. Could not get acid to perfs. Reversed out acid to coated tank. Released RTTS. POOH.

RIH w/4" gun. Tagged @ 7598'. RIH w/1 joint of tailpipe below RTTS.

RIH to 7648'. Reversed out a large amount of cement.

Spotted 3 bbls. acid across perfs. Pulled up to 7550'. Broke down perfs.

Acidized w/7000 gals. 15% Fercheck-SC acid. Max pressure 5566 psi @ 13.5 bpm. Avg. Pressure 4950 psi @ 13 bpm.

Shut down pressure 924 psi. Pressure after 10 minutes Vacuum.

Released RTTS. POOH.

RIH w/4" guns loaded w/23 gms. of tungsten line charges w/120 degree phasing @ 2 jspf. Perf from 7580'-7594', 7548'-7574', 7482'-7540', 7448'-7470', & 7381'-7438'.

POOH w/killstring. Rigged up perforators. Perfed. From 7575'-7594'. Rigged down perforators.

RIH w/PPI tool and acidized perfs. in 2' increments @ 100 gpf for a total of 19,400 gals. of 15% Fercheck acid.

PU to 7341'. Fished RFC & standing valves. Set packer @ 7341'. Rigged down acid company.

12 hour SITP = 800 psi. Swabbed/flowed well to test tank.

Killed well down tubing. Released PPI packer & POOH.

PU 4-3/4 bit and RIH to bridge @ 7648'. PU swivel & drilled from 7648'-7649'. Cleaned out to PBTD @ 7675'.

Laid down swivel & POOH. PU 5-1/2" RBP and RIH to 3100'. Set RBP and loaded casing & tubing. Tested plug to 500 psi.

POOH w/killstring. RIH w/sub pump. Released RBP @ 3100' and landed pump w/RBP @ 7671'.

ND BOP. NU wellhead. Turned well over to production.