

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER

2. Name of Operator

Marathon Oil Company

3. Address of Operator

P. o. Box 552, Midland, Texas 79702

7. Lease Name or Unit Agreement Name

J. M. Denton

8. Well No.

4

9. Pool name or Wildcat

Denton (Devonian)

4. Well Location

Unit Letter K : 1980 Feet From The South Line and 2080 Feet From The West Line

Section

11

Township

15-S

Range

37-E

NMPM

Lea

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

GR 3792

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Add perfs & acidize in existing ☒
zone.

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Marathon Oil Company initiated operations to add perforations & acidize in an existing (Devonian) zone on 1-24-91. Following is the procedure:

1. RU PU. Removed wellhead. Installed 6" 900 series manual double BOP's. POOH w/253 jts 2 3/8" N-80 tbg open-ended. RU company wireline. RIH w/BHP bomb to 11,782' (mid perf) (bottom hole press was 3255' psig). POOH. RD wireline unit. Closed blind rams.

2. RU Schlumberger. Run GR-CBL-CCL from 11,799' to 10,799'. Attempted to run log across Devonian interval under press. Present interval 11,750-11,812' taking fluid on vacuum. Ran log w/o press. POOH. Perf'd 5 1/2" csg @ 11,706'-11,730', 11,650'-11,688', & 11,570'-11,600' (3 runs). Closed blind rams. SDFN.
(See Attachment 1)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Carl A. Bagwell

TITLE Engineering Technician

DATE 5-13-91

(915)

TELEPHONE NO. 682-1626

TYPE OR PRINT NAME Carl A. Bagwell

(This space for State Use) ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT SUPERVISOR

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

MAY 26 1991

ATTACHMENT 1

Item No. 12

Proposed or Completed Operations

- 3) RU Schlumberger. Perf'd 5 1/2" csg @ 11,506'-11,530', 11,480'-11,488', 11,458'-11,466', 11,432'-11,452', 11,394'-11,400' & 11,352'-11,380' (5 runs). RD Schlumberger. Closed blind rams. SDFN. Note: Gun did not fire on one run. SD 1 hr (changed out computer box).
- 4) RU Schlumberger. Perf'd 5 1/2" csg from 11,226'-11,260' w/2 JSPF (1 run). RD Schlumberger. RIH w/5 1/2" Halliburton RBP, 5 1/2" RTTS pkr, SN on 2 3/8" N80 tbg. Set plug @ 11,745' Left pkr swinging. Closed pipe rams. SDFN.
- 5) Shut down for Sunday.
- 65) Dropped standing valve & tested tbg to 5000 psig w/36 bbls 2% KCl & held OK. Fished standing valve. Set pkr @ 11,738' & tested RBP to 1000 psig & held OK. Released RTTS pkr & POOH. Set RTTS pkr @ 11,620'. RU Halliburton & acidized new Devonian perfs f/11,650'-88' & 11,706'-30' w/4000 gals 15% NEFE HCl acid. Bullhead in acid down 2 3/8" N-80 tbg & estab rate of 5.4 BPM @ 3400 psig. Increased rate to 6 BPM @ 4000 psig w/4000 gals acid pumped 2000 gals on formation @ 6 BPM & 4400 psig. Had communication up backside. SD. SI csg valve, started on flush @ 4 BPM, 1500 psig. Flushed to bottom perf w/48 bbls 2% KCl wtr. ISIP = vacuum. Released RTTS & POOH to 11,120' (above all new Devonian perfs). Dropped SV & press tested tbg to 4500 psig w/20 bbls 2% KCl wtr & held OK. Set RTTS pkr (11,120') & loaded backside w/32 bbls 2% KCl & press tested to 500 psig. Held OK. RU Halliburton & acidized entire new Devonian perf interval f/11,226' to 11,730' w/12,350 gals 15% NEFE HCl acid & 2100# rock salt for divert in gelled 10#/gal brine in 5 stages of 2500 gal/stage. Final acid stage = 2350 gals. Acid & 4 stages of rock salt (1st & 2nd stages of salt = 450#/stage, 2nd 2 stages of salt = 600#/stage). Flushed to bottom perf w/57 bbls 2% KCl wtr. ISIP = vacuum. Saw good blocking action in all salt stages (esp 4th stage: +1100 psig). Max treating press 3900 psig. Min = 2300 psig. Avg = 3200 psig. Avg rate 6 BPM. SI & secured well. SDFN.