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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No. B-934

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. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name

2. Name of Operator: EXXON CORPORATION

8. Farm or Lease Name: N.M. "S" STATE

3. Address of Operator: P.O. BOX 1600, MIDLAND, TEXAS 79701

9. Well No. 13

4. Location of Well: UNIT LETTER B, 660 FEET FROM THE NORTH LINE AND 1980 FEET FROM THE EAST LINE, SECTION 2 TOWNSHIP 22-S RANGE 37-E NMPM.

10. Field and Pool, or Wildcat: DRINKARD

15. Elevation (*Show whether DF, RT, GR, etc.*): 3362 GR

12. County: LEA

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER PERF & FRAC ALL OF DRINKARD [X]		OTHER [ ]	

17. 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.

SEE ATTACHED SHEETS FOR RECOMMENDED WORKOVER PROCEDURE.

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

SIGNED Marvin O'Chs TITLE UNIT HEAD DATE 12-2-75

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECOMMENDED WORKOVER PROCEDURE

1. Kill the Tubb zone and load casing with brine.

2. Pull production equipment. Brown packer has been in well since 1954. Recommend having BOT tool man on well when pulling packer.

3. Run a GR/N log and collar locator from PBD to 3800'.

4. Run a retrievable bridge plug and treating packer on 2-7/8" workstring. Pressure test workstring to 5500 psi if necessary.

5. Set BP @ 6510' and packer at 6200'.

6. Perforate the Drinkard. Perfs will be picked from GR/N log. Perforate through tubing using McCullough's 1-9/16" Omega Jet tubing gun or equivalent with 1 jspf and 0° phasing. Decentralize gun in casing and use lubricator when perforating.

7. Reset packer 10' below bottom perf of upper Drinkard zone (approximately 6340').

8. Pressure test surface equipment to 5500 psi.

9. Acid frac the lower zone with 15,000 gals. Polymulsion pad, 17,000 gals. 20% HCl and 3,000 gals. flush as follows:

   a. Pump 1,000 gals. acid.
   b. Pump 5,000 gals. K-1 pad.
   c. Pump 5,000 gals. HCl.
   d. Pump a 600# slug of a 50-50 mixture of benzoic acid flakes and rock salt in 30 bbls. gelled brine.
   e. Pump 1,000 gals. acid.
   f. Pump 10,000 gals. K-1 pad.
   g. Pump 10,000 gals. HCl.
   h. Pump 3,000 gals. brine containing 3 gals. Corexit 7652.
   i. Shut-in well approximately 1 hour.
   j. Flow well to tanks until all load is recovered or well dies.

   Frac down 2-7/8" tubing at maximum rate not exceeding 5000 psi surface pressure. The 20% HCl should contain 50# gum karaya and 4 gals. Corexit 8504 per 1,000 gals. acid. Hold pressure on tubing-casing annulus if possible. If perfs communicate during frac, IMMEDIATELY shut down pumps and notify production engineer.

Mixing directions for 15,000 gals. brine-external K-1 Polymulsion:*

a. Add 50 gals. Exxon 8596 (emulsifier) to 5,000 gals. clean brine.

b. Circulate brine while adding 240# gum karaya and 300# Adomite Aqua. Circulate until gel strength develops.

c. Circulate gelled brine while adding 10,000 gals. lease crude.

*Insure that no alkaline contaminants, such as cement or lime residue are present in the storage, mixing, or pumping equipment.

10. Kill Drinkard if necessary.

11. Reset BP 10' above top perf of lower zone (approximately 6370'). Reset packer at 6190'.

12. Acid frac the upper zone with 7,500 gals. K-1 pad, 9,000 gals. 20% HCl and 3,000 gals. flush volume as follows:

    a. Pump 1,500 gals acid.
    b. Pump 7,500 gals. K-1 pad.
    c. Pump 7,500 gals. HCl.
    d. Pump 3,000 gals. flush containing 3 gals. Corexit 7652.
    e. Shut-in well approximately 1 hour.
    f. Flow well to tanks until all load is recovered or well dies.

    Frac down 2-7/8" tubing at maximum rate not exceeding 5000 psi surface pressure. The 20% HCl should contain 50# gum karaya and 4 gals. Corexit 8504 per 1,000 gals. acid. Hold pressure on tubing-casing annulus if possible. If perfs communicate during frac, IMMEDIATELY shut down pumps and notify production engineer.

Mixing directions for 7,500 gals. brine-external K-1 Polymulsion:*

a. Add 25 gals. Exxon 8596 (emulsifier) to 2,500 gals. clean brine.

b. Circulate brine while adding 120# gum karaya and 150# Adomite Aqua. Circulate until gel strength develops.

c. Circulate gelled brine while adding 5,000 gals. lease crude.

*Insure that no alkaline contaminants, such as cement or lime residue are present in the storage, mixing, or pumping equipment.

13. Kill Drinkard if necessary.

14. Pull bridge plug and packer.

15. Run 2-3/8" production tubing with production packer, profile nipple, and on/off tool on bottom (recommend using Guiberson or Baker production equipment).

16. Set packer @ 6200'±.

17. Set plug in profile nipple and release on/off tool. Swab in Tubb.

18. Close tubing valve and produce Tubb on tubing-casing annulus.

19. Latch into on/off tool and retrieve plug.

20. Swab in Drinkard and place well on production.

S. E. Barker
11-26-75

VRT/sg
11-26-75