

NM OIL S. COMMISSION
Drawer DD
Artesia, NM 88210

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☒ SWDW
well well

2. NAME OF OPERATOR
Exxon Corporation

3. ADDRESS OF OPERATOR
P.O. Box 1600, Midland, Texas 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
660' FSL & 1980' FEL of Section
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

(other) Convert to SWDW

5. LEASE

NM-01119

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Yates Federal C

9. WELL NO.

11

10. FIELD OR WILDCAT NAME

Avalon (Delaware)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 31-20S-28E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

14. API NO.

30-015-24377

15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. 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.)*

Our conversion procedure, well bore sketch, and order No. R-7408 for converting the subject well to salt water disposal is attached.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Melba Kripling TITLE Unit Head DATE January 24, 1984

APPROVED _____ (This space for Federal or State office use)

APPROVED BY (Sig.) PETER W. CHESTER

CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

FEB 3 1984

*See Instructions on Reverse Side

RECEIVED
JAN 25 10 19 AM '84
U.S. GEOLOGICAL SURVEY
ARREST

YATES FEDERAL C-11
CONVERSION PROCEDURE
DEC 30, 1983

- A. OBJECTIVE: TO SQUEEZE INTERVALS FROM 2550-3448 AND CONVERT TO SALT WATER DISPOSAL
- B. REGULATORY: HAVE APPROVED PERMIT TO CONVERT, ON LOCATION AT ALL TIMES. NOTIFY BUREAU OF LAND MANAGEMENT PRIOR TO STARTING PLUGGING OPERATIONS. NOTIFY NMOCD TO WITNESS RUNNING OF DISPOSAL EQUIPMENT AND ANNUAL TESTING.
- C. WELLBORE: SEE ATTACHED SKETCH
- D. PROCEDURE:
1. MIRM. NUL BOP'S TEST TO 2000 PSI. RELEASE PKR AND CIRCULATE HOLE FULL OF FRESH WATER. PCH.
 2. SET CUP AT 3400'. R/H W/ SQUEEZE PAKER TO 3500'. SET PKR AND PRESSURE TEST PP TO 2000 PSI. PULL AND SET PKR AT 3500'. 3250.5
 3. SQUEEZE THE PERFS (3424-3448) USING 150SX CLASS C, 12 LBS GILSONITE, 2% CaCl₂ PER SACK. DISPLACE CMT DOWN TO PAKER AND OBTAIN 2000 PSI SQUEEZE PRESSURE. HESITATE DISPLACEMENT AS NECESSARY TO OBTAIN SQUEEZE.
 4. RELEASE PKR AND REVERSE OUT EXCESS CMT. PULL TO 3000' AND WDC 12 HRS. SET PKR AND PRESSURE TEST SQUEE TO 2000 PSI. PULL AND SET PKR AT 2650'.
 5. SQUEEZE THE PERFS (2712-2757) USING 300 SX CLASS C, 12 LBS GILSONITE, 2% CaCl₂ PER SACK. DISPLACE CMT DOWN TO PAKER. WATCH FOR POSSIBLE COMMUNICATION WITH PERFS ABOVE. HOLD PRESSURE ON ANNULUS TO AVOID PUTTING CEMENT. REMOVE PKR.
 6. RELEASE PKR AND REVERSE OUT EXCESS CMT. PULL TO 2000' AND NOC 12 HRS. R/H AND SET PKR AT 2650. TEST SQUEE TO 2000 PSI. PULL AND SET PKR AT 2500'. TEST ANNULUS TO 1000 PSI.

01-24-84 TUE

12:32:49

FM

** ****

NO.02

7. SQUEEZE PERFS (2590-2630) USING 500 SX CLASS C, 12 LBS GILSONITE, 2% CaCl_2 PER GALL. DISPLACE TO PKR AND OBTAIN 5035 PRESSURE. REVERSE OUT EXCESS CMF. WOC 12 HRS. TEST TO 2000 PSI.

8. RIH W/ BIT AND SCAPER TO DRILL OUT CMF PLUGS. STOP DRILLING AND PRESSURE TEST TO 500 PSI AT EACH OF THE FOLLOWING DEPTHS (INTERVAL TESTED): 2590' (2530-2587), 2640' (2598-2630), 2770' (2712-2757), 2960' (2924-2992). IF ANY OF THE INTERVALS FAIL TO HOLD, RIH W/ SQUEEZE PER TO JUST ABOVE THAT INTERVAL AND SQUEEZE W/ 100 SX CLASS C, 2% CaCl_2 .

9. DRILL OUT CUBP AT 3400' AND RIH TO 4500'. CIRCULATE HOLD W/ BRINE WATER, PDH.

10. PERFORATE USING A 4" HOLLOW CARRIER JET CASING GUN W/ PREMIUM CHARGES.

INTERVAL	DENSITY	SHOTS
3955-3982	1 SFE	28
4050-4070	1 SFE	21
4130-4185	1 SFE	56
105 SHOTS TOTAL		

a. USE FULL LUBRICATOR WHILE PERFORATING

b. PERFS PICKED FROM DEPTHS DENKING-NORTON-GR (6-22-83)

c. REFERENCE PREVIOUSLY RUN GR-CGI ARMADILLO RUN (7-1-83)

11. RIH W/ REMOVABLE BRIDGE PLUG (W/ BALL CATCHER) AND PACKER. ACIDIZE IN 3 STAGES USING INHIBITED 15% NE HCl.

NOTES: a. DIVERT W/ 1.3 SG BALLS AS SHOWN

b. DISPLACE EACH STAGE W/ 30.000 GAL CLEAN FW

c. PUMP AT 2-3 BPM BUT DO NOT EXCEED 1000 PSI

d. TEST BP TO 1000 PSI BETWEEN STAGES

STG	BP DEPTH	PKR DEPTH	ACID (GAL)	BALLS DROPPED	TOTAL BALLS
1	4250'	4100'	7000	2 EVERY 3000'	110
2	4100'	4020'	2500	—	—
3	4020'	3900'	3200	—	—

12. MOVE BRIDGE PLUG DOWN TO 4300' PULL AND SET PACKER
 TO 3850. SWAP SOME OF LOAD TO PACKER AND LOSE MATERIAL
 FROM PERFS.

13. RUN STEP RATE INJECTIVITY TEST. SUGGEST USING TYLER SURVEYS

14. IF INJECTIVITY IS NOT ADEQUATE. ERAC THE WELL WITH
 50,000 GAL COMB YFAPS (CROSSLINKED 3% KCl WATER) AND
 50,000 LBS 20/40, 30.000 LBS 10/20 SAND.
 PUMP AT 10-15 BPM AND DO NOT EXCEED 5000 PSI. HOLD
 500 PSI ON ANNULUS.

a. SCHEDULE 1 8000 GAL YFAPS PAD
 3000 GAL YFAPS W/ 1 PPG 20/40
 4000 GAL YFAPS W/ 2 PPG 20/40
 5000 GAL YFAPS W/ 3 PPG 20/40
 6000 GAL YFAPS W/ 3 PPG 10/20

b. DROP 50 I.I. SA PAUS DURING THE LAST 500 GAL OF STEP A.

c. REPEAT STEP A ONE TIME

d. FLUSH TO TOP PERF. W/ SLICK 3% KCl WATER

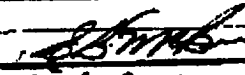
15. SHUT IN. RELEASE PRESSURE AND RETRIEVE BRIDGE PLUG AND PKR.
 BEFORE P.H. KNOCK BALLS OFF OF PERFS AND REVERSE THEM OUT.

16. RIN W/ BAKER LOKSET NICKEL CADMIUM COATED PACKER, ON-OFF
 TOOL W/ 1.875 PROFILE, AND DOWNHOLE SHUT OFF VALVE ON
 2 1/2" PLASTIC LINED TUBING TO 3900'.

17. CIRCULATE ANNULUS FULL OF FRESH WATER CONTAINING
 70 GAL CORROS. T720 AND 10 GAL CORROS. T672 PER 100 BBL FW.

18. SET PACKER AND PRESSURE TEST ANNULUS TO 500 PSI.

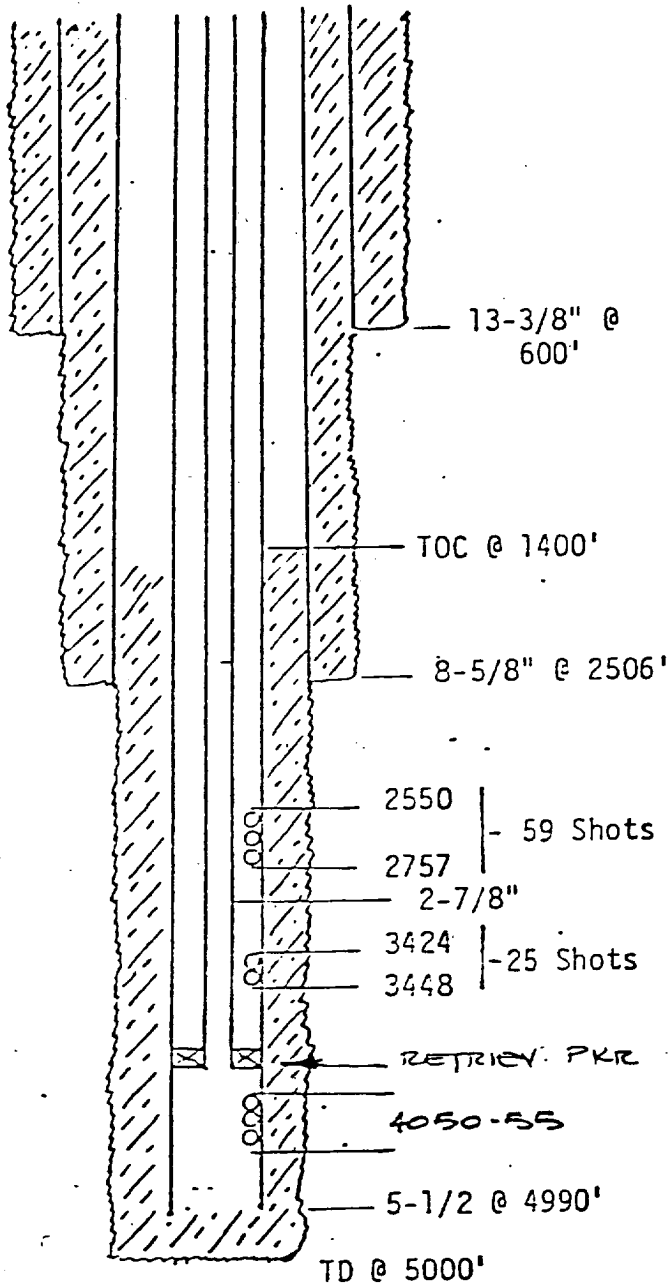
19. INSTALL 1000 PSI PRESSURE GAUGE ON ANNULUS VALVE AND
 PUT WELL ON DISPOSAL.


 E. L. McRAE
 DISTRICT OPERATIONS SUPERINTENDENT

Ran / JWB 1/4/84

ATES FEDERAL C-11 WELLBORE SKETCH

BEFORE CONVERSION TO SWD



AFTER CONVERSION TO SWD

