

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other Instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

clsp

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other _____

2. NAME OF OPERATOR

Exxon Corporation ✓

3. ADDRESS OF OPERATOR

P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with BLM State requirements)*

At surface 1565' FNL & 200' FEL of Section

At top prod. interval reported below

At total depth

RECEIVED BY

JAN 8 1986

O.C.D.

14. PERMIT NO. DATE ISSUED
ARTESIA OFFICE
30-015-25135 12-1-84

5. LEASE DESIGNATION AND SERIAL NO.

NM-0426782

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mary Federal

9. WELL NO.

#4

10. FIELD AND POOL, OR WILDCAT

West Dark Canyon - Delaware

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

Sec. 24, 23S, 25E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

15. DATE SPUDDED 1-20-85 16. DATE T.D. REACHED 3-13-85 17. DATE COMPL. (Ready to prod.) 3-24-85 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* KB-3448, DF-3447, GL-3446 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5125 21. PLUG, BACK T.D., MD & TVD P&A 12-6-85 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
LDT-CNL; DLL-MSFL

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4	40.5	377	12 1/4	900 sx C1C	
7	23	1417	9 7/8	870 sx PSL & 1003 sx C1C	
4 1/2	9.5	5123	6 1/4	695 sx C1C	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

4878-4894 w/ 33 shots. acidz. w/ 2000 gals. 15% HCl. Frac w/ 20,000 gals. cross gel and CO₂ & 30000# 20-40 sd. Set CIBP at 4808' w/ 35' cmt.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
100-48	200 sx C1C Set to contain
48-0	200 sx C1C hole & prevent
525-852	280 sx C1H cave-in.
624-945	400 sx C1C-set due to lost

33.* PRODUCTION returns—See reverse.

DATE FIRST PRODUCTION 3-24-85 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 200 bbls. testing allowable only WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

P&A 12-6-85

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Melba Knippling

TITLE

Unit Head

DATE 1-3-86

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
			Set plugs at 346-453 w/ 200 sx ClC, 318-346 w/ 170 sx ClC, 318' w/ 200 sx ClC & 240-318' w/ 250 sx ClC. Set plugs below with 250 sx ClH each: 762-890, 689-762, 596-689, 390-596, 325-390, 272-325, 242-272, 240-242 & 2 at 240'. <u>P&A Information</u> Set plug at 3067' w/ 25 sx cmt. Set plug at 1516' w/ 25 sx cmt. Perf 4 1/2" csg. at 150' w/ 4 shots. Perf'd again at 100'. Tagged plug at 390' and circulated cmt. to surface. Cut off wellhead and installed dry hole marker. P&A 12-6-85.	Delaware Cherry Canyon Bone Spring	1456 2304 4821	

EXXON COMPANY, U.S.A.

POST OFFICE BOX 10488 • MIDLAND, TEXAS 79702

MIDCONTINENT PRODUCTION DIVISION
SOUTHERN DRILLING ORGANIZATION

E W THOMAS, Manager

March 27, 1985

W F BURCHARD, Operations Superintendent
K S ROSE, Operations Superintendent
M C WELBORN, Operations Superintendent
J D HOWELL, Engineering Manager

LISTED BELOW ARE THE DEVIATION TESTS TAKEN ON THE MARY FEDERAL #4:

<u>DEPTH</u>	<u>DEGREES OF DEVIATION</u>	<u>DEPTH</u>	<u>DEGREES OF DEVIATION</u>
257	1	1,722	1
295	3/4	1,783	1/2
324	3/4	1,874	1
376	1/2	1,972	3/4
404	1/4	2,063	1/2
495	1/2	2,158	1/4
522	3/4	2,284	1
581	3/4	2,378	1-1/4
644	3/4	2,533	3/4
801	1/2	3,008	1
864	1	3,504	1/2
990	1-1/4	3,753	1/4
1,209	1-1/4	4,260	3/4
1,395	1	4,760	3/4
1,498	1/2	5,074	1-1/4

BY

EM Canoll

SWORN TO and subscribed before me this

2nd day of

January, 1986.

Judy Bequell

Notary Public
Midland, Texas

My commission expires:

11-10-88