

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

NMNM9017

N.M. Oil Cons. Division

P.O. Box 1980

Hobbs, NM 88241

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. REMOVR ☐ Other ☐ added perfs only

2. NAME OF OPERATOR  
St. Mary Land & Exploration Company

3. ADDRESS AND TELEPHONE NO.  
P. O. Box 2726, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 400 FSL & 400 FWL SW/4 SW/4

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED  
12/86

8. FARM OR LEASE NAME, WELL NO.

Conoco Federal #2

9. API WELL NO.

30-025-29803

10. FIELD AND POOL, OR WILDCAT

Shugart Yates 7 RVS QGB

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

Sec. 18 T18S R32E

12. COUNTY OR PARISH  
Lea

13. STATE  
NM

15. DATE SPUDDED 12/13/86 16. DATE T.D. REACHED 12/21/86 17. DATE COMPL. (Ready to prod.) 1/4/87 18. ELEVATIONS (OF RKB, RT, OR, ETC.)\* 3720 GR 19. ELEV. CASINGHEAD 3722 GR

20. TOTAL DEPTH, MD & TVD 4500 21. PLUG, BACK T.D., MD & TVD 4487 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY to 4500' 24. ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Grayburg 4420-4425; 3819-3822; 3786-3781; 3777-3780

25. WAS DIRECTIONAL SURVEY MADE  
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Schlumberger CNL & Bond Log

27. WAS WELL CORRED  
No

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

| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD          | AMOUNT PULLED |
|-------------------|-----------------|----------------|-----------|------------------------------------------|---------------|
| 8 5/8             | 24              | 350            | 12 1/4    | Surf-200 HI Early II, 2% $\text{CaCl}_2$ |               |
| 5 1/2             | 15.5            | 4500           | 7 7/8     | 800 sx DLW III; 300 sx "A"               |               |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | BACKS CEMENT* | SCREEN (MD) | 30. TUBING RECORD                   |
|------|----------|-------------|---------------|-------------|-------------------------------------|
| N/A  |          |             |               |             | SIZE DEPTH SET (MD) PACKER SET (MD) |
|      |          |             |               |             | 2 3/8 3667 4487                     |

31. PERFORATION RECORD (Interval, size)  
4420-4425, 11 shots  
3777-3822; 69 shots

ACCEPTED FOR RECORD

JAN 23 1987

acs

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                                                                                                |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 3777-3822           | 28,000 gal Viking 1-3 gel fluid<br>98,000# 16/30 sand incl. tail in<br>w/16,000# rgs as stabilizer;<br>flush w/88 bbls same gel |

33. PRODUCTION

|                                 |                    |                                                                                              |                              |                 |                  |                                                 |                       |
|---------------------------------|--------------------|----------------------------------------------------------------------------------------------|------------------------------|-----------------|------------------|-------------------------------------------------|-----------------------|
| DATE FIRST PRODUCTION<br>1/6/87 |                    | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>Pumping (Lufkin 114) |                              |                 |                  | WELL STATUS (Producing or shut-in)<br>Producing |                       |
| DATE OF TEST<br>12/27/86        | HOURS TESTED<br>24 | CHOKE SIZE<br>N/A                                                                            | PROD'N. FOR TEST PERIOD<br>→ | OIL—BBL.<br>55  | GAS—MCF.<br>143  | WATER—BBL.<br>71                                | GAS-OIL RATIO<br>2600 |
| FLOW. TUBING PRESS.             | CASING PRESSURE    | CALCULATED 24-HOUR RATE<br>→                                                                 | OIL—BBL.<br>55               | GAS—MCF.<br>143 | WATER—BBL.<br>71 | OIL GRAVITY-API (CORR.)<br>38.3                 |                       |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Conoco, Inc.-pipeline connection 1/87

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED [Signature] TITLE Agent

DATE 1/20/97

(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):

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|-----------|-----|--------|-----------------------------|
|           |     |        |                             |

| 38. | GEOLOGIC MARKERS                     |                              |                                |
|-----|--------------------------------------|------------------------------|--------------------------------|
|     | NAME                                 | MEAS. DEPTH                  | TOP<br>TRUE<br>VERT. DEPTH     |
|     | B/Salt<br>Yates<br>Queen<br>Grayburg | 2204<br>2364<br>3535<br>3966 | +1528<br>+1368<br>+197<br>-234 |

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