

UNITED STATES

SUBMIT IN DUPLICATE

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

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

HOBBES, NEW MEXICO 88240

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. REVR. ☐ Other Reentry

2. NAME OF OPERATOR  
Manzano Oil Corporation

3. ADDRESS OF OPERATOR  
P.O. Box 2107, Roswell, NM 88202-2107

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 335' FNL & 2223' FEL Unit B  
At top prod. interval reported below same  
At total depth same

14. PERMIT NO. 30-025-21116  
DATE ISSUED 8/24/92

5. LEASE DESIGNATION AND SERIAL NO.  
NM-67110

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal 31-G

9. WELL NO.  
4

10. FIELD AND POOL, OR WILDCAT  
South Tonto Yates-SR

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

12. COUNTY OR PARISH  
Lea  
13. STATE  
NM

15. DATE SPUDDED 9/23/92  
16. DATE T.D. REACHED 2/19/93  
17. DATE COMPL. (Ready to prod.) 3/29/93  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 3579' GL  
19. ELEV. CASINGHEAD 3579' GL

20. TOTAL DEPTH, MD & TVD 3225'  
21. PLUG, BACK T.D., MD & TVD 3139'  
22. IF MULTIPLE COMPL., HOW MANY\*  
23. INTERVALS DRILLED BY  
ROTARY TOOLS X  
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)  
2984-3020' overall - Yates  
25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Cased Hole CNL w/GR & CCL  
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 |
| 8-5/8"                                             | 32#             | 500' KB        | 12-1/4"   | 300 sx Class C                | None          |
| 4-1/2"                                             | 11.6#           | 3225' KB       | 7-7/8"    | 700 sx PSL C & 300 sx Class C | None          |

| 29. LINER RECORD |          |             |               |             | 30. TUBING RECORD |                |                 |
|------------------|----------|-------------|---------------|-------------|-------------------|----------------|-----------------|
| SIZE             | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE              | DEPTH SET (MD) | PACKER SET (MD) |
|                  |          |             |               |             | 2-7/8"            | 2929'          | No Pkr          |

| 31. PERFORATION RECORD (Interval, size and number)   |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                                                     |
|------------------------------------------------------|--|------------------------------------------------|-----------------------------------------------------|
| 3093-3104'; 3004-08'; 2998-3002'; 2988-94'; 2984-86' |  | DEPTH INTERVAL (MD)                            | AMOUNT AND KIND OF MATERIAL USED                    |
|                                                      |  | 3093-3104'                                     | Acidized w/2000 gal 20% NEFE + 15 balls             |
|                                                      |  | 2984-3008'                                     | Frac w/35k gal + 96k# 16/30 Sand                    |
|                                                      |  |                                                | Acidized w/1500 gal 15% NEFE + clay stay & 35 balls |

| 33.* PRODUCTION               |                 |                                                                              |                         |               |               |                                              |               |
|-------------------------------|-----------------|------------------------------------------------------------------------------|-------------------------|---------------|---------------|----------------------------------------------|---------------|
| DATE FIRST PRODUCTION 3/30/93 |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping |                         |               |               | WELL STATUS (Producing or shut-in) Producing |               |
| DATE OF TEST 4/7/93           | HOURS TESTED 24 | CHOKE SIZE                                                                   | PROD'N. FOR TEST PERIOD | OIL—BBL. 75   | GAS—MCF. TSTM | WATER—BBL. 51                                | GAS-OIL RATIO |
| FLOW. TUBING PRESS.           | CASING PRESSURE | CALCULATED 24-HOUR RATE                                                      | OIL—BBL. 75             | GAS—MCF. TSTM | WATER—BBL. 51 | OIL GRAVITY-API (CORR.) 36.0                 |               |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Vented  
TEST WITNESSED BY  
Ronnie Carre

35. LIST OF ATTACHMENTS

Logs are on file

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

SIGNED Alicia Ramey TITLE Engineering Technician DATE June 23, 1993

\*(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, flowing and shut-in pressures, and recoveries):

| FORMATION    | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC.      | 38. GEOLOGIC MARKERS |             |                  |
|--------------|------|--------|----------------------------------|----------------------|-------------|------------------|
|              |      |        |                                  | NAME                 | MEAS. DEPTH | TRUE VERT. DEPTH |
| Salt         | 1356 | 2760   | Salt                             |                      |             |                  |
| Yates        | 2923 | 3160   | Anhydrite, Sand, Dolomite, Shale |                      |             |                  |
| Seven Rivers | 3160 | TD     | Dolomite, Sand                   |                      |             |                  |

RECEIVED

JUL 10 7 1993

OCD HOBBS  
OFFICE