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Form C-105  
Revised 1-1-65

# NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease  
State ☒ Fee ☐

5. State Oil & Gas Lease No.  
LG-6564

7. Unit Agreement Name

8. Farm or Lease Name  
Harrod State

9. Well No.  
1

10. Field and Pool, or Wildcat  
Townsend Permo  
Upper Penn

12. County  
Lea

1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION

NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐ Reenty

2. Name of Operator  
Manzano Oil Corporation 505/623-1996

3. Address of Operator  
P.O. Box 571, Roswell, NM 88202

4. Location of Well  
UNIT LETTER N LOCATED 990 FEET FROM THE South LINE AND 1980 FEET FROM West LINE OF SEC. 7 TWP. 16-S RGE. 35-E

THE West LINE OF SEC. 7 TWP. 16-S RGE. 35-E

|                              |                                  |                                             |                                                    |                                  |
|------------------------------|----------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------|
| 15. Date Spudded<br>10-16-77 | 16. Date T.D. Reached<br>3-13-78 | 17. Date Compl. (Ready to Prod.)<br>4/12/86 | 18. Elevations (DF, RKB, RT, GR, etc.)<br>4038' GR | 19. Elev. Casinghead<br>4038' GR |
|------------------------------|----------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------|

|                            |                               |                                  |                                                      |             |
|----------------------------|-------------------------------|----------------------------------|------------------------------------------------------|-------------|
| 20. Total Depth<br>14,656' | 21. Plug Back T.D.<br>10,898' | 22. If Multiple Compl., How Many | 23. Intervals Drilled By<br>Rotary Tools<br>0-14656' | Cable Tools |
|----------------------------|-------------------------------|----------------------------------|------------------------------------------------------|-------------|

24. Producing Interval(s), of this completion - Top, Bottom, Name  
10,674'-10,708' Wolfcamp

25. Was Directional Survey Made  
No

26. Type Electric and Other Logs Run  
None- Previous Operator ran Cmt Bond, Mini Log, Dual Induc & Denisty Neutron

27. Was Well Cored  
No

| 28. CASING RECORD (Report all strings set in well) |                |           |           |                  |               |
|----------------------------------------------------|----------------|-----------|-----------|------------------|---------------|
| CASING SIZE                                        | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 13-3/8"                                            | 48#            | 354'      | 16"       | 225 sx Class C   | None          |
| 9-5/8"                                             | 36 & 40#       | 4670'     | 12 1/4"   | 200 sx Class C   | None          |
| 5-1/2"                                             | 17 & 20#       | 13,100'   | 8-3/4"    | 3250 sx Class H  | None          |

| 29. LINER RECORD |     |        |              | 30. TUBING RECORD |        |           |
|------------------|-----|--------|--------------|-------------------|--------|-----------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN            | SIZE   | DEPTH SET |
|                  |     |        |              |                   | 2-7/8" | 10,633'   |
|                  |     |        |              |                   |        | 10,633'   |

| 31. Perforation Record (Interval, size and number) |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                               |
|----------------------------------------------------|--|------------------------------------------------|-------------------------------|
| 10,674 to 10,686' (12'/12 holes)                   |  | DEPTH INTERVAL                                 | AMOUNT AND KIND MATERIAL USED |
| 10,700 to 10,708' (8'/16 holes)                    |  | 10,674-10,708'                                 | Acidized w/1250 gal 15% NEEF  |
|                                                    |  |                                                |                               |
|                                                    |  |                                                |                               |

33. PRODUCTION

|                                   |                                                                                |                                             |
|-----------------------------------|--------------------------------------------------------------------------------|---------------------------------------------|
| Date First Production<br>4/2/86   | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Pumping | Well Status (Prod. or Shut-in)<br>Producing |
| Date of Test<br>4/12/86           | Hours Tested<br>24                                                             | Choke Size<br>N/A                           |
| Prod'n. For Test Period           | Oil - Bbl.<br>200                                                              | Gas - MCF<br>130                            |
| Water - Bbl.<br>0                 | Gas - Oil Ratio<br>650.0                                                       |                                             |
| Flow Tubing Press.                | Casing Pressure                                                                | Calculated 24-Hour Rate                     |
| Oil - Bbl.<br>200                 | Gas - MCF<br>130                                                               | Water - Bbl.<br>0                           |
| Oil Gravity - API (Corr.)<br>38.8 |                                                                                |                                             |

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Waiting on Gas Contract - Vented

Test Witnessed By  
Carroll Bellah

35. List of Attachments  
None - Inclination reports & Logs furnished by previous operator (Maralo, Inc.)

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Jackie Midkiff TITLE Jackie Midkiff/Prod. Clerk DATE 4/18/86

