

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                        |  |
|------------------------|--|
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| SANTA FE               |  |
| FILE                   |  |
| U.S.G.S.               |  |
| LAND OFFICE            |  |
| OPERATOR               |  |

|                                                                        |
|------------------------------------------------------------------------|
| 5a. Indicate Type of Lease                                             |
| State <input type="checkbox"/> Fee <input checked="" type="checkbox"/> |
| 5. State Oil & Gas Lease No.                                           |

10. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION

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

2. Name of Operator

Estoril Producing Corporation

3. Address of Operator

400 W. Illinois Suite 1600, Midland, Texas 79701

4. Location of Well

UNIT LETTER U LOCATED 510 FEET FROM THE south LINE AND 850 FEET FROMTHE west LINE OF SEC. 6 TWP. 16S RGE. 37E NMPM

12. County

Lea

15. Date Spudded

8-29-86

16. Date T.D. Reached

10-1-86

17. Date Compl. (Ready to Prod.)

10-24-86

18. Elevations (DF, RKB, RT, GR, etc.)

3874 KB

19. Elev. Casinghead

20. Total Depth

11,750'

21. Plug Back T.D.

11,704'

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

0 - 11750'

Cable Tools

24. Producing Intervals, of this completion - Top, Bottom, Name

11,553 - 11,593' Strawn

25. Was Directional Serv. Made

Yes

26. Type Electric and Other Logs Run

GR-CNL-DLL

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      | 61             | 375       | 17 1/2    | 390 sx Cl 'C' + 2% CaCl     | None          |
| 8-5/8       | 32             | 4249      | 11        | 1600 Pacesetter; 200 Cl 'C' | None          |
| 5 1/2       | 17             | 11750     | 7-7/8     | 530 sx Cl 'H'               | None          |

29. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE  | DEPTH SET | PACKER SET |
|------|-----|--------|--------------|--------|-------|-----------|------------|
|      |     |        |              |        | 2-3/8 | 11384     | 11384      |

31. Perforation Record (Interval, size and number)

11,553 - 11,593' .4" 40 holes

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|-------------------------------|
| 11553 - 11593  | 2500 gals 15% NEFE            |

33. PRODUCTION

|                       |                 |                                                                     |                         |            |              |                                |                 |
|-----------------------|-----------------|---------------------------------------------------------------------|-------------------------|------------|--------------|--------------------------------|-----------------|
| Date First Production |                 | Production Method (Flowing, gas lift, pumping - Size and type pump) |                         |            |              | Well Status (Prod. or Shut-in) |                 |
| 10-25-86              |                 | Flowing                                                             |                         |            |              | Shut-in; Waiting on gas line   |                 |
| Date of Test          | Hours Tested    | Choke Size                                                          | Prod'n. Per Test Period | Oil - Bbl. | Gas - MCF    | Water - Bbl.                   | Gas - Oil Ratio |
| 10-27-86              | 24              | 16/64                                                               |                         | 268        | 350          | 0                              | 1306            |
| Flow Tubing Press.    | Casing Pressure | Calculated 24-hour Rate                                             | Oil - Bbl.              | Gas - MCF  | Water - Bbl. | Oil Gravity - API (Corr.)      |                 |
| 350                   |                 |                                                                     | 268                     | 350        | 0            | 42°                            |                 |

34. Disposition of Gas (sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

35. List of Attachments

Inclination Survey; GR-DLL; CNL

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

*Cliff Hunter*

TITLE Vice President - Engineering DATE 11-4-86

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity log run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1165.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

### Northwestern New Mexico

|                         |                       |                            |                      |
|-------------------------|-----------------------|----------------------------|----------------------|
| T. Anhy.....            | T. Canyon.....        | T. Ojo Alamo.....          | T. Penn. "B".....    |
| T. Salt.....            | T. Strawn 11514       | T. Kirtland-Fruitland..... | T. Penn. "C".....    |
| B. Salt.....            | T. Atoka 11702        | T. Pictured Cliffs.....    | T. Penn. "D".....    |
| T. Yates 3230           | T. Miss.....          | T. Cliff House.....        | T. Leadville.....    |
| T. 7 Rivers.....        | T. Devonian.....      | T. Menefee.....            | T. Madison.....      |
| T. Queen.....           | T. Silurian.....      | T. Point Lookout.....      | T. Elbert.....       |
| T. Grayburg.....        | T. Montoya.....       | T. Mancos.....             | T. McCracken.....    |
| T. San Andres 4905      | T. Simpson.....       | T. Gallup.....             | T. Ignacio Quar..... |
| T. Glorieta 6536        | T. McKee.....         | Base Greenhorn.....        | T. Granite.....      |
| T. Paddock.....         | T. Ellenburger.....   | T. Dakota.....             | T. ....              |
| T. Hatchery.....        | T. Gr. Wash.....      | T. Morrison.....           | T. ....              |
| T. Tomb..... 7742       | T. Granite.....       | T. Tedrite.....            | T. ....              |
| T. Brinkard.....        | T. Delaware Sand..... | T. Entrada.....            | T. ....              |
| T. Abo..... 8497        | T. Bone Springs.....  | T. Wingate.....            | T. ....              |
| T. Wolfcamp 9515        | T. ....               | T. Chinle.....             | T. ....              |
| T. Penn. 10497          | T. ....               | T. Permian.....            | T. ....              |
| T. Cisco (Hough C)..... | T. ....               | T. Penn. "A".....          | T. ....              |

## OIL OR GAS SANDS OR ZONES

|                              |                         |
|------------------------------|-------------------------|
| No. 1, from 11,553 to 11,593 | No. 4, from.....to..... |
| No. 2, from.....to.....      | No. 5, from.....to..... |
| No. 3, from.....to.....      | No. 6, from.....to..... |

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

|                         |           |
|-------------------------|-----------|
| No. 1, from.....to..... | feet..... |
| No. 2, from.....to..... | feet..... |
| No. 3, from.....to..... | feet..... |
| No. 4, from.....to..... | feet..... |

## FORMATION RECORD (Attach additional sheets if necessary)

| From  | To    | Thickness in Feet | Formation         | From | To | Thickness in Feet | Formation |
|-------|-------|-------------------|-------------------|------|----|-------------------|-----------|
| 11514 | 11551 | 37                | Upper Strawn      |      |    |                   |           |
| 11551 | 11701 | 150               | Lower Strawn      |      |    |                   |           |
| 10680 | 10692 | 12                | Penn Porosity     |      |    |                   |           |
| 2170  | 2228  | 58                | Rustler Anhydrite |      |    |                   |           |

ROBERT L. GAY  
JULY 1 1946