

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                        |  |
|------------------------|--|
| NO. OF COPIES RECEIVED |  |
| DISTRIBUTION           |  |
| SANTA FE               |  |
| FILE                   |  |
| U.S.O.S.               |  |
| LAND OFFICE            |  |
| OPERATOR               |  |

5a. Indicate Type of Lease  
State ☒ Fee ☐  
5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

STATE LOC

9. Well No.

1

10. Field and Pool, or Wildcat

NE LOVINGTON 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

2. Name of Operator

NORTH AMERICAN ROYALTIES, INC.

3. Address of Operator

306 W. WALL-SUITE 1400-CLAYDESTA CENTER DOWNTOWN-MIDLAND, TEXAS 79701

4. Location of Well

UNIT LETTER I LOCATED 2160 FEET FROM THE SOUTH LINE AND 510 FEET FROM

EAST 11 16S 36E  
THE LINE OF SEC. TWP. RGE. NMPM

15. Date Spudded 2-15-87 16. Date T.D. Reached 4-19-87 17. Date Compl. (Ready to Prod.) N/A

18. Elevations (DF, RKB, RT, GR, etc.) 3880.9' GR 19. Elev. Casinghead N/A

20. Total Depth 12,215' 21. Plug Back T.D. SURFACE 22. If Multiple Compl., How Many N/A

23. Intervals Drilled By Rotary Tools XX Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

N/A

25. Was Directional Survey Made

YES

26. Type Electric and Other Logs Run

SPECTRAL DENSITY DUAL SPACED NEUTRON, DUAL INDUCTION, MULTISHOT SURVEY

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             | 438'      | 17-1/2"   | 420 sx (cement circulated)  | NONE          |
| 8-5/8"      | 24 & 32        | 4515'     | 11"       | 2330 sx (cement circulated) | NONE          |

29. LINER RECORD 30. TUBING RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET | PACKER SET |
|------|-----|--------|--------------|--------|------|-----------|------------|
|------|-----|--------|--------------|--------|------|-----------|------------|

31. Perforation Record (Interval, size and number)

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|-------------------------------|
|----------------|-------------------------------|

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

33. PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

Date of Test Hours Tested Choke Size Prod'n. For Test Period Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio

Flow Tubing Press. Casing Pressure Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments

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 [Signature] TITLE PETROLEUM ENGINEER DATE 8/5/87

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs 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 depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

MD-MEASURED DEPTH  
TVD-TRUE VERTICAL DEPTH

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico              |                                | Northwestern New Mexico     |                        |
|--------------------------------------|--------------------------------|-----------------------------|------------------------|
| MD                                   | TVD                            | MD                          | TVD                    |
| T. Anhy <u>1978/1978</u>             | T. Canyon <u>11,408/11,173</u> | T. Ojo Alamo _____          | T. Penn. "B" _____     |
| T. Salt _____                        | T. Strawn <u>11,163/11,362</u> | T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| T. Salt _____                        | T. Atoka <u>11,758/11,498</u>  | T. Pictured Cliffs _____    | T. Penn. "D" _____     |
| T. Yates <u>3209/3209</u>            | T. Miss _____                  | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers <u>3459/3459</u>         | T. Devonian _____              | T. Menefee _____            | T. Madison _____       |
| T. Queen <u>4070/4070</u>            | T. Silurian _____              | T. Point Lookout _____      | T. Elbert _____        |
| T. Grayburg _____                    | T. Montoya _____               | T. Mancos _____             | T. McCracken _____     |
| T. San Andres <u>4728/4728</u>       | T. Simpson _____               | T. Gallup _____             | T. Ignacio Qtzte _____ |
| T. Glorieta <u>6396/6396</u>         | T. McKee _____                 | T. Base Greenhorn _____     | T. Granite _____       |
| T. Paddock _____                     | T. Ellenburger _____           | T. Dakota _____             | T. _____               |
| T. Blinebry _____                    | T. Gr. Wash _____              | T. Morrison _____           | T. _____               |
| T. Tubb <u>7598/7589</u>             | T. Granite _____               | T. Todilto _____            | T. _____               |
| T. Drinkard _____                    | T. Delaware Sand _____         | T. Entrada _____            | T. _____               |
| T. Abo <u>8396/8354</u>              | T. Bone Springs _____          | T. Wingate _____            | T. _____               |
| T. Wolfcamp <u>9840/9735</u>         | T. _____                       | T. Chinle _____             | T. _____               |
| T. Penn. _____                       | T. _____                       | T. Permian _____            | T. _____               |
| T. Cisco (Bough C) <u>*see below</u> | T. _____                       | T. Penn. "A" _____          | T. _____               |
| <u>*11,160/10,948</u>                |                                |                             |                        |

OIL OR GAS SANDS OR ZONES

|                            |                            |
|----------------------------|----------------------------|
| No. 1, from _____ to _____ | 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 |
|------------|--------|-------------------|--------------|------|----|-------------------|-----------|
| 1,978      | 3,209  | 1,231             | ANHYDRITE    |      |    |                   |           |
| 3,209      | 3,459  | 250               | YATES        |      |    |                   |           |
| 3,459      | 4,070  | 611               | SEVEN RIVERS |      |    |                   |           |
| 4,070      | 4,728  | 658               | QUEEN        |      |    |                   |           |
| 4,728      | 6,396  | 1,668             | SAN ANDRES   |      |    |                   |           |
| 6,396      | 7,589  | 1,193             | GLORIETA     |      |    |                   |           |
| 7,589 TVD  | 8,354  | 765               | TUBB         |      |    |                   |           |
| 8,354 TVD  | 9,735  | 1,381             | ABO          |      |    |                   |           |
| 9,735 TVD  | 10,948 | 1,213             | WOLF CAMP    |      |    |                   |           |
| 10,948 TVD | 11,173 | 225               | CISCO        |      |    |                   |           |
| 11,173 TVD | 11,362 | 187               | CANYON       |      |    |                   |           |
| 11,362 TVD | 11,498 | 136               | STRAWN       |      |    |                   |           |
| 11,498 TVD | 11,920 | 422               | ATOKA        |      |    |                   |           |