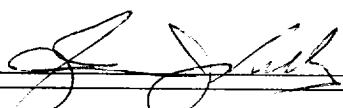


|                        |  |
|------------------------|--|
| NO. OF COPIES RECEIVED |  |
| DISTRIBUTION           |  |
| SANTA FE               |  |
| FILE                   |  |
| U.S.G.S.               |  |
| LAND OFFICE            |  |
| OPERATOR               |  |

Form C-105  
Revised 11-1-76

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

|  |
|--|
| 5a. Indicate Type of Lease<br>State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.<br><b>L-4426</b>  |

|   |   |  |  |
|---|---|--|--|
| 1a. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____   |   | 7. Unit Agreement Name<br><b>Northeast Kernnitz</b>  |  |
| b. TYPE OF COMPLETION<br>NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER _____ |   | 8. Farm or Lease Name<br><b>Northeast Kernnitz</b>   |  |
| 2. Name of Operator<br><b>ELK OIL COMPANY</b>   |   | 9. Well No.<br><b>2</b>  |  |
| 3. Address of Operator<br><b>P. O. BOX 310, ROSWELL, NEW MEXICO 88201</b>   |   | 10. Field and Pool, or Wildcat<br><b>Kernnitz Morrow</b>   |  |
| 4. Location of Well<br>UNIT LETTER <b>G</b> LOCATED <b>1980</b> FEET FROM THE <b>North</b> LINE AND <b>1980</b> FEET FROM<br>THE <b>East</b> LINE OF SEC. <b>22</b> TWP. <b>16</b> RGE. <b>34</b> NMPM                        |   | 12. County<br><b>Lea</b>   |  |
| 15. Date Spudded<br><b>11/20/76</b>   | 16. Date T.D. Reached<br><b>12/16/76</b>  | 17. Date Compl. (Ready to Prod.)<br><b>2/20/76</b>   | 18. Elevations (DF, RKB, RT, GR, etc.)<br><b>4100 GR</b> |
| 19. Elev. Casinghead<br><b>4105</b>   |   | 20. Total Depth<br><b>13,450</b>   |  |
| 21. Plug Back T.D.<br><b>13,450</b>   |   | 22. If Multiple Compl., How Many<br>Many   |  |
| 23. Intervals Drilled By<br><b>X</b>  |   | 24. Producing Interval(s), of this completion — Top, Bottom, Name<br><b>13,240-13,386 Morrow</b> |  |
| 25. Was Directional Survey Made<br><b>NO</b>  |   | 26. Type Electric and Other Logs Run<br><b>Schlumberger - Variable Density - Bond Log</b>        |  |
| 27. Was Well Cored<br><b>NO</b>   |   | 28. CASING RECORD (Report all strings set in well)   |  |
| CASING SIZE   | WEIGHT LB./FT.  | DEPTH SET  | HOLE SIZE  |
| <b>13 3/8</b>   | <b>40</b>   | <b>517</b>   | <b>17</b>  |
| <b>5 5/8</b>  | <b>32/24</b>  | <b>4614</b>  | <b>12 1/2</b>  |
| <b>5 1/2</b>  | <b>17</b>   | <b>13450</b>   | <b>7 7/8</b>   |
| CEMENTING RECORD  |   | AMOUNT PULLED  |  |
| <b>400</b>  |   | <b>None</b>  |  |
| <b>1150</b>   |   | <b>None</b>  |  |
| <b>1000</b>   |   | <b>None</b>  |  |
| 29. LINER RECORD  |   | 30. TUBING RECORD  |  |
| SIZE  | TOP   | BOTTOM   | SACKS CEMENT   |
|   |   |  |  |
| SIZE  | DEPTH SET   | PACKER SET   |  |
| <b>2 3/8</b>  | <b>13,100</b>   | <b>13,105</b>  |  |
| 31. Perforation Record (Interval, size and number)<br><b>Pf. 2/ft 13,240-13,386 (60 holes, 1/2")<br/>4" jet csg. gun.</b>   |   | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.   |  |
| DEPTH INTERVAL  |   | AMOUNT AND KIND MATERIAL USED  |  |
| <b>13,240-13,386</b>  |   | <b>5000 gal 10% Morrow acid<br/>w/1000 SCF/bbl Nitrogen</b>                                      |  |
|   |   |  |  |
|   |   |  |  |
| 33. PRODUCTION  |   |  |  |
| Date First Production<br><b>2/2/77</b>  | Production Method (Flowing, gas lift, pumping — Size and type pump)<br><b>Flowing</b> |  | Well Status (Prod. or Shut-in)<br><b>Shut In</b>         |
| Date of Test<br><b>2/20/77</b>  | Hours Tested<br><b>4</b>  | Choke Size<br><b>12/64</b>   | Prod'n. For Test Period<br><b>-0-</b>                    |
| Flow Tubing Press.<br><b>600#</b>   | Casing Pressure<br><b>-0-</b>   | Calculated 24-Hour Rate<br><b>-0-</b>  | Oil — Bbl.<br><b>-0-</b>                                 |
|   |   |  | Gas — MCF<br><b>800</b>                                  |
|   |   |  | Water — Bbl.<br><b>-0-</b>                               |
|   |   |  | Gas — Oil Ratio  |
|   |   |  | Oil Gravity — API (Corr.)                                |
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.)<br><b>Shut-in waiting for pipeline connection</b>  |   |  | Test Witnessed By<br><b>J. Kelly</b>                     |
| 35. List of Attachments<br><b>2 copies of logs.</b>   |   |  |  |
| 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   |   | TITLE <b>President</b> DATE <b>2/25/77</b>   |  |

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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.

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

### Southeastern New Mexico

T. Anhy \_\_\_\_\_ T. Canyon 11,990  
T. Salt \_\_\_\_\_ T. Strawn 12,298  
B. Salt \_\_\_\_\_ T. Atoka \_\_\_\_\_  
T. Yates \_\_\_\_\_ T. Miss \_\_\_\_\_  
T. 7 Rivers \_\_\_\_\_ T. Devonian \_\_\_\_\_  
T. Queen \_\_\_\_\_ T. Silurian \_\_\_\_\_  
T. Grayburg \_\_\_\_\_ T. Montoya \_\_\_\_\_  
T. San Andres \_\_\_\_\_ T. Simpson \_\_\_\_\_  
T. Glorieta \_\_\_\_\_ T. McKee \_\_\_\_\_  
T. Paddock \_\_\_\_\_ T. Ellenburger \_\_\_\_\_  
T. Blinebry \_\_\_\_\_ T. Gr. Wash \_\_\_\_\_  
T. Tubb \_\_\_\_\_ T. Granite \_\_\_\_\_  
T. Drinkard \_\_\_\_\_ T. Delaware Sand \_\_\_\_\_  
T. Abo \_\_\_\_\_ T. Bone Springs \_\_\_\_\_  
T. Wolfcamp \_\_\_\_\_ T. \_\_\_\_\_  
T. Penn. \_\_\_\_\_ T. \_\_\_\_\_  
T. Cisco (Bough C) \_\_\_\_\_ T. \_\_\_\_\_

### Northwestern New Mexico

T. Ojo Alamo \_\_\_\_\_ T. Penn. "B" \_\_\_\_\_  
T. Kirtland-Fruitland \_\_\_\_\_ T. Penn. "C" \_\_\_\_\_  
T. Pictured Cliffs \_\_\_\_\_ T. Penn. "D" \_\_\_\_\_  
T. Cliff House \_\_\_\_\_ T. Leadville \_\_\_\_\_  
T. Menefee \_\_\_\_\_ T. Madison \_\_\_\_\_  
T. Point Lookout \_\_\_\_\_ T. Elbert \_\_\_\_\_  
T. Mancos \_\_\_\_\_ T. McCracken \_\_\_\_\_  
T. Gallup \_\_\_\_\_ T. Ignacio Qtzte \_\_\_\_\_  
Base Greenhorn \_\_\_\_\_ T. Granite \_\_\_\_\_  
T. Dakota \_\_\_\_\_ T. \_\_\_\_\_  
T. Morrison \_\_\_\_\_ T. \_\_\_\_\_  
T. Todilto \_\_\_\_\_ T. \_\_\_\_\_  
T. Entrada \_\_\_\_\_ T. \_\_\_\_\_  
T. Wingate \_\_\_\_\_ T. \_\_\_\_\_  
T. Chinle \_\_\_\_\_ T. \_\_\_\_\_  
T. Permian \_\_\_\_\_ T. \_\_\_\_\_  
T. Penn. "A" \_\_\_\_\_ T. \_\_\_\_\_

## 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 13,240 to 13,386 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<br>in Feet | Formation                           | From | To | Thickness<br>in Feet | Formation |
|-------|-------|----------------------|-------------------------------------|------|----|----------------------|-----------|
|       |       |                      | See original report for<br>0-11,639 |      |    |                      |           |
| 11639 | 11990 | 351                  | Shale & Linc                        |      |    |                      |           |
| 11990 | 12298 | 308                  | Shale                               |      |    |                      |           |
| 12298 | 13450 | 1152                 | Sand, Linc & Shale                  |      |    |                      |           |

RECEIVED

FEB 20 1971