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Form C-105  
Revised 11-1-84

# 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>K 6806                                                               |

|                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1c. TYPE OF WELL<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____                                                                                   |
| b. TYPE OF COMPLETION<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____ |

|                                                                        |
|------------------------------------------------------------------------|
| 7. Unit Agreement Name                                                 |
| 8. Farm or Lease Name<br>State 16                                      |
| 9. Well No.<br>4                                                       |
| 10. Field and Pool, or Wildcat<br>Undesignated<br>Lovington, NE (Penn) |

|                                                                         |
|-------------------------------------------------------------------------|
| 2. Name of Operator<br>PENNZOIL COMPANY                                 |
| 3. Address of Operator<br>P. O. DRAWER 1828 - MIDLAND, TEXAS 79702-1828 |

|                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4. Location of Well<br>UNIT LETTER <u>F</u> LOCATED <u>1650</u> FEET FROM THE <u>North</u> LINE AND <u>2100</u> FEET FROM <u>West</u> LINE OF SEC. <u>16</u> TWP. <u>16-S</u> RGE. <u>37-E</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                   |
|-------------------|
| 12. County<br>Lea |
|-------------------|

|                             |                                   |                                              |                                                      |                                |
|-----------------------------|-----------------------------------|----------------------------------------------|------------------------------------------------------|--------------------------------|
| 13. Date Spudded<br>9/19/87 | 14. Date T.D. Reached<br>10/28/87 | 17. Date Compl. (Ready to Prod.)<br>11/07/87 | 18. Elevations (DF, RKB, RT, GR, etc.)<br>3809.9 GR  | 19. Elev. Casinghead<br>3809.9 |
| 20. Total Depth<br>12084'   | 21. Plug Back T.D.<br>12034'      | 22. If Multiple Compl., How Many<br>--       | 23. Intervals Drilled By<br>Rotary Tools<br>0-12084' | Cable Tools<br>--              |

|                                                                                               |
|-----------------------------------------------------------------------------------------------|
| 24. Producing Interval(s) of this completion - Top, Bottom, Name<br>11,481' to 11,558' STRAWN |
|-----------------------------------------------------------------------------------------------|

|                                        |
|----------------------------------------|
| 25. Was Directional Survey Made<br>YES |
|----------------------------------------|

|                                                                                  |
|----------------------------------------------------------------------------------|
| 26. Type Electric and Other Logs Run<br>Dual Laterolog, Sonic, Dipmeter, Neutron |
|----------------------------------------------------------------------------------|

|                          |
|--------------------------|
| 27. Was Well Cored<br>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#            | 426       | 17-1/2    | 450              | None          |
| 8-5/8                                              | 28#            | 4400      | 11        | 1650             | None          |
| 5-1/2                                              | 17#            | 12084     | 7-7/8     | 840              | None          |

| 29. LINER RECORD |     |        |              |        | 30. TUBING RECORD |           |            |
|------------------|-----|--------|--------------|--------|-------------------|-----------|------------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE              | DEPTH SET | PACKER SET |
| None             |     |        |              |        | 2-7/8             | 11402     | 11402      |

|                                                                                                                                |                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 31. Perforation Record (Interval, size and number)<br>11481' to 11504' and 11512' to 11558'<br>Total of 141 holes - Size 0.41' | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br>DEPTH INTERVAL<br>None<br>AMOUNT AND KIND MATERIAL USED |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|

| 33. PRODUCTION                    |                                                                             |                              |                              |                   |                   |                                           |                         |
|-----------------------------------|-----------------------------------------------------------------------------|------------------------------|------------------------------|-------------------|-------------------|-------------------------------------------|-------------------------|
| Date First Production<br>11/07/87 | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>FLOW |                              |                              |                   |                   | Well Status (Prod. or Shut-in)<br>Shut-In |                         |
| Date of Test<br>11/16/87          | Hours Tested<br>24                                                          | Choke Size<br>27/64          | Prod'n. For Test Period<br>→ | Oil - Bbl.<br>557 | Gas - MCF<br>740  | Water - Bbl.<br>0                         | Gas - Oil Ratio<br>1329 |
| Flow Tubing Press.<br>245         | Casing Pressure<br>0                                                        | Calculated 24-Hour Rate<br>→ | Oil - Bbl.<br>557            | Gas - MCF<br>740  | Water - Bbl.<br>0 | Oil Gravity - API (Corr.)<br>30           |                         |

|                                                                                               |                                  |
|-----------------------------------------------------------------------------------------------|----------------------------------|
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>Flared during test - To be Sold | Test Witnessed By<br>Gene Atkins |
|-----------------------------------------------------------------------------------------------|----------------------------------|

|                                                                                                               |
|---------------------------------------------------------------------------------------------------------------|
| 35. List of Attachments<br>Logs, DST Summary, Deviation Survey, C-104, Sub-Surface Directional Survey Report. |
|---------------------------------------------------------------------------------------------------------------|

|                                                                                                                                         |                                    |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------|
| 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 <u>Roy A. Johnson</u>                                                                                                            | TITLE <u>Production Accountant</u> | DATE <u>November 18, 1987</u> |

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 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 32 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 1145.

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

## Southeastern New Mexico

## Northwestern New Mexico

|                          |                          |                             |                         |
|--------------------------|--------------------------|-----------------------------|-------------------------|
| T. Anhy _____ 2145       | T. Canyon _____ 11050    | T. Ojo Alamo _____          | T. Penn. "B" _____      |
| T. Salt _____            | T. L. Strawn _____ 11450 | T. Kirtland-Fruitland _____ | T. Penn. "C" _____      |
| B. Salt _____            | T. Atoka _____ 11858     | T. Pictured Cliffs _____    | T. Penn. "D" _____      |
| T. Yates _____           | 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 _____ 5076 | T. Simpson _____         | T. Gallup _____             | T. Ignacio Qtzite _____ |
| T. Glorieta _____ 6492   | T. McKee _____           | Base Greenhorn _____        | T. Granite _____        |
| T. Paddock _____         | T. Ellenburger _____     | T. Dakota _____             | T. _____                |
| T. Blinberry _____       | T. Gr. Wash _____        | T. Morrison _____           | T. _____                |
| T. Tubb _____ 7804       | T. Granite _____         | T. Todilto _____            | T. _____                |
| T. Drinkard _____ 7946   | T. Delaware Sand _____   | T. Entrada _____            | T. _____                |
| T. Abo _____ 8546        | T. Bone Springs _____    | T. Wingate _____            | T. _____                |
| T. Wolfcamp _____ 9808   | T. _____                 | T. Chinle _____             | T. _____                |
| T. Penn. _____ 10820     | T. _____                 | T. Permian _____            | T. _____                |
| T. Cisco (Bough C) _____ | T. _____                 | T. Penn. "A" _____          | T. _____                |

## OIL OR GAS SANDS OR ZONES

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 5, 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<br>in Feet | Formation                             | From | To | Thickness<br>in Feet | Formation |
|-------|-------|----------------------|---------------------------------------|------|----|----------------------|-----------|
| 0     | 2145  | 2145                 | red shale, sand, anhydrite            |      |    |                      |           |
| 2145  | 4400  | 2255                 | anhydrite & dolomite                  |      |    |                      |           |
| 4400  | 9803  | 5403                 | dolomite, limestone, shale            |      |    |                      |           |
| 9803  | 10646 | 843                  | dolomite, limestone,<br>shale & chert |      |    |                      |           |
| 10646 | 11359 | 713                  | limestone & shale                     |      |    |                      |           |
| 11359 | 11858 | 499                  | limestone                             |      |    |                      |           |
| 11858 | 12084 | 226                  | limestone, shale &<br>siltstone       |      |    |                      |           |

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