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Form C-105  
Revised 1-1-65

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

AUG 25 1 22 PM '65

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

|                                                                                                                                                                                                                         |                                                                     |                                  |                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|----------------------------------------|
| 1a. TYPE OF WELL                                                                                                                                                                                                        |                                                                     | 7. Unit Agreement Name           |                                        |
| b. TYPE OF COMPLETION                                                                                                                                                                                                   |                                                                     | 8. Farm or Lease Name            |                                        |
| OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>                                                                              |                                                                     | Farrar                           |                                        |
| 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 <input type="checkbox"/> |                                                                     | 9. Well No.                      |                                        |
| 2. Name of Operator                                                                                                                                                                                                     |                                                                     | 1                                |                                        |
| Southland Royalty Company                                                                                                                                                                                               |                                                                     | 10. Field and Pool, or Wildcat   |                                        |
| 3. Address of Operator                                                                                                                                                                                                  |                                                                     | Undesig. (Inbe. Penn. Ext.)      |                                        |
| 1405 Wilco Bldg., Midland, Texas 79704                                                                                                                                                                                  |                                                                     |                                  |                                        |
| 4. Location of Well                                                                                                                                                                                                     |                                                                     |                                  |                                        |
| UNIT LETTER <b>F</b> LOCATED <b>1980</b> FEET FROM THE <b>North</b> LINE AND <b>1980</b> FEET FROM                                                                                                                      |                                                                     | 12. County                       |                                        |
| THE <b>West</b> LINE OF SEC. <b>13</b> TWP. <b>11-S</b> RGE. <b>33-E</b> NMPM                                                                                                                                           |                                                                     | Lea                              |                                        |
| 15. Date Spudded                                                                                                                                                                                                        | 16. Date T.D. Reached                                               | 17. Date Compl. (Ready to Prod.) | 18. Elevations (DF, RKB, RT, GR, etc.) |
| 6-29-65                                                                                                                                                                                                                 | 7-27-65                                                             | 8-19-65                          | 4210.3 G.L.                            |
| 19. Elev. Casinghead                                                                                                                                                                                                    | 4210                                                                |                                  |                                        |
| 20. Total Depth                                                                                                                                                                                                         | 21. Plug Back T.D.                                                  | 22. If Multiple Compl., How Many | 23. Intervals Drilled By               |
| 9798                                                                                                                                                                                                                    | 9762                                                                |                                  | Rotary Tools 0-9798                    |
| 24. Producing Interval(s), of this completion - Top, Bottom, Name                                                                                                                                                       |                                                                     |                                  | 25. Was Directional Survey Made        |
| 9734-9748 Bough "C"                                                                                                                                                                                                     |                                                                     |                                  | No                                     |
| 26. Type Electric and Other Logs Run                                                                                                                                                                                    |                                                                     |                                  | 27. Was Well Cored                     |
| Gamma Ray - Acoustic Velocity                                                                                                                                                                                           |                                                                     |                                  | Yes                                    |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                      |                                                                     |                                  |                                        |
| CASING SIZE                                                                                                                                                                                                             | WEIGHT LB./FT.                                                      | DEPTH SET                        | HOLE SIZE                              |
| 13 3/8                                                                                                                                                                                                                  | 48                                                                  | 373                              | 17 1/2                                 |
| 8 5/8                                                                                                                                                                                                                   | 24 & 32                                                             | 3950                             | 11                                     |
| 5 1/2                                                                                                                                                                                                                   | 17                                                                  | 9798                             | 7 7/8                                  |
| CEMENTING RECORD                                                                                                                                                                                                        |                                                                     | AMOUNT PULLED                    |                                        |
| 225 sx + 2% gel & 125                                                                                                                                                                                                   |                                                                     | sx None                          |                                        |
| 500 sx + 8% gel & 150                                                                                                                                                                                                   |                                                                     | sx None                          |                                        |
| 450 sx + 12% gel & 40                                                                                                                                                                                                   |                                                                     | sx None                          |                                        |
| 29. LINER RECORD                                                                                                                                                                                                        |                                                                     |                                  |                                        |
| SIZE                                                                                                                                                                                                                    | TOP                                                                 | BOTTOM                           | SACKS CEMENT                           |
|                                                                                                                                                                                                                         |                                                                     |                                  |                                        |
| 30. TUBING RECORD                                                                                                                                                                                                       |                                                                     |                                  |                                        |
| SIZE                                                                                                                                                                                                                    | DEPTH SET                                                           | PACKER SET                       |                                        |
| 2 7/8" OD                                                                                                                                                                                                               | 9718                                                                | 9710                             |                                        |
| 31. Perforation Record (Interval, size and number)                                                                                                                                                                      |                                                                     |                                  |                                        |
| 9734 to 9748 w/28 holes                                                                                                                                                                                                 |                                                                     |                                  |                                        |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                          |                                                                     |                                  |                                        |
| DEPTH INTERVAL                                                                                                                                                                                                          |                                                                     | AMOUNT AND KIND MATERIAL USED    |                                        |
| 9734-9748                                                                                                                                                                                                               |                                                                     | 4000 gal 15% Reactrol acid       |                                        |
| 33. PRODUCTION                                                                                                                                                                                                          |                                                                     |                                  |                                        |
| Date First Production                                                                                                                                                                                                   | Production Method (Flowing, gas lift, pumping - Size and type pump) |                                  | Well Status (Prod. or Shut-in)         |
| 8-21-65                                                                                                                                                                                                                 | Pumping - 2 7/8" x 1 3/4" x 40" Hydraulic                           |                                  | Pumping                                |
| Date of Test                                                                                                                                                                                                            | Hours Tested                                                        | Choke Size                       | Prod'n. For Test Period                |
| 8-25-65                                                                                                                                                                                                                 | 24                                                                  | -                                | 192                                    |
| Flow Tubing Press.                                                                                                                                                                                                      | Casing Pressure                                                     | Calculated 24-Hour Rate          | Oil - Bbl.                             |
| -                                                                                                                                                                                                                       | -                                                                   | 192                              | 236.5                                  |
| Gas - MCF                                                                                                                                                                                                               |                                                                     | Water - Bbl.                     | Gas - Oil Ratio                        |
| 421                                                                                                                                                                                                                     |                                                                     | 421                              | 1232                                   |
| Oil Gravity - API (Corr.)                                                                                                                                                                                               |                                                                     |                                  |                                        |
| 47.1                                                                                                                                                                                                                    |                                                                     |                                  |                                        |
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.)                                                                                                                                                              |                                                                     |                                  | Test Witnessed By                      |
| Fuel & vented                                                                                                                                                                                                           |                                                                     |                                  | M. D. Frazier                          |
| 35. List of Attachments                                                                                                                                                                                                 |                                                                     |                                  |                                        |
| Gamma Ray - Acoustic Velocity Log, Form C-104, Inclination 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 <i>M.D. Frazier</i>                                                                                                                                                                                              |                                                                     | TITLE <b>Engineer</b>            |                                        |
|                                                                                                                                                                                                                         |                                                                     | DATE <b>August 25, 1965</b>      |                                        |

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.

**Northwestern New Mexico**

## T. Penn. "H.

|                    |      |                  |                       |                   |
|--------------------|------|------------------|-----------------------|-------------------|
| T. Anhy            | 1928 | T. Canyon        | T. Ojo Alamo          | T. Penn. "B"      |
| T. Salt            | 1957 | T. Strawn        | T. Kirtland-Fruitland | T. Penn. "C"      |
| B. Salt            | 2408 | T. Atoka         | T. Pictured Cliffs    | T. Penn. "D"      |
| T. Yates           | 2624 | T. Miss          | T. Cliff House        | T. Leadville      |
| T. 7 Rivers        | 2836 | T. Devonian      | T. Menefee            | T. Madison        |
| T. Queen           | 3466 | T. Silurian      | T. Point Lookout      | T. Elbert         |
| T. Grayburg        | 3671 | T. Montoya       | T. Mancos             | T. McCracken      |
| T. San Andres      | 3918 | T. Simpson       | T. Gallup             | T. Ignacio Qtzite |
| T. Glorieta        | 5345 | T. McKee         | T. Base Greenhorn     | T. Granite        |
| T. Paddock         |      | T. Ellenburger   | T. Dakota             | T.                |
| T. Blinebry        |      | T. Gr. Wash      | T. Morrison           | T.                |
| T. Tubb            | 6800 | T. Granite       | T. Todillo            | T.                |
| T. Drinkard        | 7587 | T. Delaware Sand | T. Entrada            | T.                |
| T. Abo             |      | T. Bone Springs  | T. Wingate            | T.                |
| T. Wolfcamp        |      |                  | T. Chinle             | T.                |
| T. Penn.           |      |                  | T. Permian            | T.                |
| T. Cisco (Bough C) | 9730 |                  | T. Penn. "A"          | T.                |

| From | To | Thickness<br>in Feet | Formation |
|------|----|----------------------|-----------|
| From | To | Thickness<br>in Feet | Formation |

|      |      |      |                          |      |           |      |      |      |      |                          |
|------|------|------|--------------------------|------|-----------|------|------|------|------|--------------------------|
| 0    | 1928 | 1928 | Red shale & sand         | 29   | Anhydrite | 1928 | 1957 | 1957 | 29   | Anhydrite                |
| 1928 | 1957 | 2408 | Salt & anhydrite         | 451  |           | 2408 | 2624 | 2624 | 216  | Anhydrite                |
| 2408 | 2624 | 2836 | Sand                     | 212  |           | 2836 | 3466 | 3466 | 630  | Anhydrite w/sh. strks.   |
| 2836 | 3466 | 3671 | Sand & siltstone         | 205  |           | 3671 | 3918 | 3918 | 247  | Anhydrite & sdy. anhy.   |
| 3671 | 3918 | 5345 | Dolomite & anhydrite     | 1427 |           | 5345 | 6800 | 6800 | 1455 | Siltstone, dolo. & anhy. |
| 5345 | 6800 | 7587 | Siltstone, dolo. & shale | 787  |           | 7587 | 8838 | 8838 | 1251 | Red shale                |
| 7587 | 8838 | 9676 | Gry. shale w/Ls strks.   | 838  |           | 9676 | 9750 | 9750 | 74   | Limestone                |
| 9676 | 9750 | 9798 | Limestone & shale        | 48   |           | 9798 |      |      |      |                          |