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Form C-105  
Revised 1-1-65

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

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

|                                                                                                                                                                                                                                                                                                                                                          |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  |                                                                                                                                                                       |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|--|------------------------------------------------------------------------------------|--|----------------------------------------------------------|--|-------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|--|--------------------------------------------------|--|--|--|--|--|---------------------|--|--|--|--|--|--|--|--|--|
| 1a. TYPE OF WELL                                                                                                                                                                                                                                                                                                                                         |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  | 7. Unit Agreement Name<br>-----                                                                                                                                       |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| b. TYPE OF COMPLETION<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____<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 _____ |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  | 8. Farm or Lease Name<br><b>Gilmore</b>                                                                                                                               |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 2. Name of Operator<br><b>Mesa Petroleum Co.</b>                                                                                                                                                                                                                                                                                                         |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  | 9. Well No.<br><b>1</b>                                                                                                                                               |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 3. Address of Operator<br><b>Box 2009, Amarillo, Texas 79105</b>                                                                                                                                                                                                                                                                                         |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  | 10. Field and Pool, or Wildcat<br><b>Shoe Bar, North Wolfcamp</b>                                                                                                     |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 4. Location of Well<br>UNIT LETTER <b>M</b> LOCATED <b>740</b> FEET FROM THE <b>South</b> LINE AND <b>740</b> FEET FROM<br>THE <b>W</b> LINE OF SEC. <b>7</b> TWP. <b>16S</b> RGE. <b>36E</b> NMPM                                                                                                                                                       |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  | 12. County<br><b>Lea</b>                                                                                                                                              |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 15. Date Spudded<br><b>11-8-73</b>                                                                                                                                                                                                                                                                                                                       |  | 16. Date T.D. Reached<br><b>12-19-73</b> |  | 17. Date Compl. (Ready to Prod.)<br><b>1-3-74</b>                                  |  | 18. Elevations (DF, RKB, RT, GR, etc.)<br><b>3955 gl</b> |  | 19. Elev. Casinghead<br><b>3955</b> |  |                                                                                                                                                                       |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 20. Total Depth<br><b>11,593 WL</b>                                                                                                                                                                                                                                                                                                                      |  | 21. Plug Back T.D.<br><b>10,627</b>      |  | 22. If Multiple Compl., How Many<br><b>-</b>                                       |  | 23. Intervals Drilled By<br><b>All</b>                   |  | Rotary Tools<br><b>All</b>          |  | Cable Tools<br><b>-</b>                                                                                                                                               |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 24. Producing Interval(s), of this completion - Top, Bottom, Name<br><b>10,512-525' and 10,548'-556 Wolfcamp</b>                                                                                                                                                                                                                                         |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  | 25. Was Directional Survey Made<br><b>No</b>                                                                                                                          |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 26. Type Electric and Other Logs Run<br><b>SNP, DIL, ML</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                                                |  | CEMENTING RECORD                    |  |                                                                                                                                                                       |  |                                          |  | AMOUNT PULLED                                    |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 13 3/8                                                                                                                                                                                                                                                                                                                                                   |  | 48                                       |  | 397                                                                                |  | 17 1/2"                                                  |  | 400 sx. "H" w/2% cc                 |  |                                                                                                                                                                       |  |                                          |  | None                                             |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 9 5/8                                                                                                                                                                                                                                                                                                                                                    |  | 32.3 & 36                                |  | 4160                                                                               |  | 12 1/4"                                                  |  | 350 sx. Lite & 250 sx. "C" w/2% cc  |  |                                                                                                                                                                       |  |                                          |  | None                                             |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 5 1/2                                                                                                                                                                                                                                                                                                                                                    |  | 15.5, 17 & 20                            |  | 10663                                                                              |  | 8 3/4"                                                   |  | 725 sx. "C" w/8# salt               |  |                                                                                                                                                                       |  |                                          |  | None                                             |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 29. LINER RECORD                                                                                                                                                                                                                                                                                                                                         |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  |                                                                                                                                                                       |  |                                          |  |                                                  |  |  |  |  |  | 30. TUBING RECORD   |  |  |  |  |  |  |  |  |  |
| SIZE                                                                                                                                                                                                                                                                                                                                                     |  | TOP                                      |  | BOTTOM                                                                             |  | SACKS CEMENT                                             |  | SCREEN                              |  | SIZE                                                                                                                                                                  |  | DEPTH SET                                |  | PACKER SET                                       |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  | 2 3/8"                                                                                                                                                                |  | 10,440                                   |  | 10,444                                           |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 31. Perforation Record (Interval, size and number)<br><b>10,512'-525'</b><br><b>All w/2 JSPF, 0.24" Diameter</b><br><b>10,548'-556'</b>                                                                                                                                                                                                                  |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br>DEPTH INTERVAL<br><b>10512'-556'</b><br>AMOUNT AND KIND MATERIAL USED<br><b>4500 gals. Mod &amp; 50 ball sealer</b> |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 33. PRODUCTION                                                                                                                                                                                                                                                                                                                                           |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  |                                                                                                                                                                       |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| Date First Production<br><b>1-4-74</b>                                                                                                                                                                                                                                                                                                                   |  |                                          |  | Production Method (Flowing, gas lift, pumping - Size and type pump)<br><b>Flow</b> |  |                                                          |  |                                     |  |                                                                                                                                                                       |  |                                          |  | Well Status (Prod. or Shut-in)<br><b>Shut In</b> |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| Date of Test<br><b>1-17-74</b>                                                                                                                                                                                                                                                                                                                           |  | Hours Tested<br><b>24</b>                |  | Choke Size<br><b>20/64</b>                                                         |  | Prod'n. For Test Period<br><b>604</b>                    |  | Oil - Bbl.<br><b>604</b>            |  | Gas - MCF<br><b>940</b>                                                                                                                                               |  | Water - Bbl.<br><b>Trace</b>             |  | Gas - Oil Ratio<br><b>1556</b>                   |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| Flow Tubing Press.<br><b>850</b>                                                                                                                                                                                                                                                                                                                         |  | Casing Pressure<br><b>zero-Pkr.</b>      |  | Calculated 24-Hour Rate<br><b>604</b>                                              |  | Oil - Bbl.<br><b>604</b>                                 |  | Gas - MCF<br><b>940</b>             |  | Water - Bbl.<br><b>Trace</b>                                                                                                                                          |  | Oil Gravity - API (Corr.)<br><b>40.8</b> |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.)<br><b>Flared</b>                                                                                                                                                                                                                                                                              |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  | Test Witnessed By<br><b>J. Archer-Mesa</b>                                                                                                                            |  |                                          |  |                                                  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |
| 35. List of Attachments<br><b>Electric &amp; Radioactive Logs, DST Summary</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 <b>Michael P. Houston</b>                                                                                                                                                                                                                                                                                                                         |  |                                          |  |                                                                                    |  |                                                          |  |                                     |  | TITLE <b>Production Engineer</b>                                                                                                                                      |  |                                          |  |                                                  |  |  |  |  |  | DATE <b>1-18-74</b> |  |  |  |  |  |  |  |  |  |

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Bureau in a letter transmittal, showing the correlation of any newly-discovered formation with the formations already on file. It should be accompanied by one copy of all pertinent and reasonably complete data on the well or wells, including a full description of the well, including drill stem logs. All data should be reported in the form of a letter transmittal, showing the correlation of any newly-discovered formation with the formations already on file. It should be accompanied by one copy of all pertinent and reasonably complete data on the well or wells, including a full description of the well, including drill stem logs. For multiple correlations, show the formation through which it shall be reported for correlation. The form is to be filed in the appropriate section state land, where six copies are required, the Rule 116.

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

## Southeastern New Mexico

## Northwestern New Mexico

|                    |                  |        |                       |                   |
|--------------------|------------------|--------|-----------------------|-------------------|
| T. Anhy            | T. Canyon        | 11,360 | T. Ojo Alamo          | T. Penn. "B"      |
| T. Salt            | T. Strawn        | 11,461 | T. Rindland-Fruitland | T. Penn. "C"      |
| T. Salt            | T. Atoka         | 11,461 | T. Pictured Cliffs    | T. Penn. "D"      |
| T. Yates           | T. Miss          | 3167   | T. Cliff House        | T. Leadville      |
| T. 7 Rivers        | T. Devonian      | 4120   | T. Menefee            | T. Madison        |
| T. Queen           | T. Silurian      | 4120   | T. Point Lookout      | T. Elbert         |
| T. Grayburg        | T. Montoya       | 4778   | T. Mancos             | T. McCracken      |
| T. San Andres      | T. Simpson       | 4778   | T. Gallup             | T. Ignacio Quartz |
| T. Glorieta        | T. McKee         | 6337   | T. Base Greenhorn     | T. Granite        |
| T. Paddock         | T. Ellenburger   |        | T. Dakota             |                   |
| T. Blinbury        | T. Gr. Wash      |        | T. Morrison           |                   |
| T. Tubb            | T. Granite       | 7498   | T. Todillo            |                   |
| T. Drinkard        | T. Delaware Sand | 8258   | T. Entrada            |                   |
| T. Abo             | T. Bone Springs  |        | T. Wingate            |                   |
| T. Wolfcamp        | T. 3 Bros.       | 9652   | T. Chinle             |                   |
| T. Penn.           |                  |        | T. Permian            |                   |
| T. Cisco (Bough C) |                  |        | T. Penn. "A"          |                   |

## FORMATION RECORD (Attach additional sheets if necessary)

| From  | To    | Thickness<br>in Feet | Formation                 | From | To | Thickness<br>in Feet | Formation |
|-------|-------|----------------------|---------------------------|------|----|----------------------|-----------|
| 0     | 1960  | 1960                 | Surface Sands, Anhy. Salt |      |    |                      |           |
| 1960  | 3045  | 1085                 | Rustler                   |      |    |                      |           |
| 3045  | 3167  | 122                  | Tansill                   |      |    |                      |           |
| 3167  | 4120  | 953                  | Yates                     |      |    |                      |           |
| 4120  | 4778  | 658                  | Queen                     |      |    |                      |           |
| 4778  | 6337  | 1559                 | San Andres                |      |    |                      |           |
| 6337  | 7498  | 1161                 | Glorietta                 |      |    |                      |           |
| 7498  | 8258  | 760                  | Tubb                      |      |    |                      |           |
| 8258  | 9652  | 1394                 | Abo                       |      |    |                      |           |
| 9652  | 11360 | 1708                 | Wolfcamp                  |      |    |                      |           |
| 11360 | 11461 | 101                  | Strawn                    |      |    |                      |           |
| 11461 | 11593 | 132                  | Atoka                     |      |    |                      |           |