

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-105  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

|                              |                                                                        |
|------------------------------|------------------------------------------------------------------------|
| WELL API NO.                 | 30-025-33178                                                           |
| 5. Indicate Type of Lease    | STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No. |                                                                        |

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                                                                                                                                                                                                                              |                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 1a. Type of Well:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____                                                                                 | 7. Lease Name or Unit Agreement Name<br>SHAW 15 |
| 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"/> DEEP RESVR <input type="checkbox"/> OTHER _____ |                                                 |
| 2. Name of Operator<br>CHESAPEAKE OPERATING, INC.                                                                                                                                                                            | 8. Well No.<br>2                                |
| 3. Address of Operator<br>P. O. Box 54525, Oklahoma City, OK 73154-1525                                                                                                                                                      | 9. Pool name or Wildcat<br>Humble City - Strawn |

|                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 4. Well Location<br>Unit Letter G : 2100 Feet From The N Line and 2310 Feet From The E Line<br>Section 15 Township 17S Range 37E NMPM LEA County |
|--------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                 |                                   |                                              |                                                              |                                        |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------|--------------------------------------------------------------|----------------------------------------|
| 10. Date Spudded<br>11-16-95                                                                                    | 11. Date T.D. Reached<br>12-18-95 | 12. Date Compl. (Ready to Prod.)<br>01-16-96 | 13. Elevations (DF& RKB, RT, GR, etc.)<br>GR: 3756'          | 14. Elev. Casinghead                   |
| 15. Total Depth<br>11,740'                                                                                      | 16. Plug Back T.D.<br>11,500'     | 17. If Multiple Compl. How Many Zones?<br>-  | 18. Intervals Drilled By<br>Rotary Tools 0-TD<br>Cable Tools |                                        |
| 19. Producing Interval(s), of this completion - Top, Bottom, Name<br>Top: 11,358'; Bottom 11,440'; Upper Strawn |                                   |                                              |                                                              | 20. Was Directional Survey Made<br>Yes |
| 21. Type Electric and Other Logs Run<br>GR/CBL/DIL/ND                                                           |                                   |                                              |                                                              | 22. Was Well Cored<br>No               |

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#           | 459'      | 17-1/2"   | 440 sx           |               |
| 8-5/8"      | 28# & 32#     | 4,475'    | 12-1/4"   | 1200 sx          |               |
| 5-1/2"      | 20#           | 11,720'   | 7-7/8"    | 200 sx prem      |               |
|             |               |           |           |                  |               |
|             |               |           |           |                  |               |

| LINER RECORD |     |        |              |        | TUBING RECORD |            |            |
|--------------|-----|--------|--------------|--------|---------------|------------|------------|
| SIZE         | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE          | DEPTH SET  | PACKER SET |
|              |     |        |              |        | 2-7/8"        | 11,498.02' | 11,500'    |
|              |     |        |              |        |               |            |            |

|                                                                                                                             |                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26. Perforation record (interval, size, and number)<br>Upper Strawn<br>11358-366' 4SPF; 11380-412' 4SPF;<br>11420-440' 4SPF | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.<br>DEPTH INTERVAL<br>11358-366' 167 bbl KCL wtr & acid<br>11420-440' water<br>11380-412' 6000 gal MOD-202 Acid,<br>9.5 tons CO2 |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                     |                      |                                                                                 |                        |                  |                   |                                         |                         |
|-----------------------------------------------------|----------------------|---------------------------------------------------------------------------------|------------------------|------------------|-------------------|-----------------------------------------|-------------------------|
| 28. PRODUCTION<br>Date First Production<br>01-07-96 |                      | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Swabbing |                        |                  |                   | Well Status (Prod. or Shut-in)<br>Prod. |                         |
| Date of Test<br>03-24-96                            | Hours Tested<br>24   | Choke Size<br>-                                                                 | Prod'n For Test Period | Oil - Bbl.<br>73 | Gas - MCF<br>134  | Water - Bbl.<br>1                       | Gas - Oil Ratio<br>1836 |
| Flow Tubing Press.<br>-                             | Casing Pressure<br>- | Calculated 24-Hour Rate                                                         | Oil - Bbl.<br>73       | Gas - MCF<br>134 | Water - Bbl.<br>1 | Oil Gravity - API - (Corr.)<br>45.7     |                         |

|                                                                                    |                   |
|------------------------------------------------------------------------------------|-------------------|
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>Used for fuel & sold | Test Witnessed By |
|------------------------------------------------------------------------------------|-------------------|

|                                                                              |
|------------------------------------------------------------------------------|
| 30. List Attachments<br>C-103, 1 set logs, deviation survey, completed C-104 |
|------------------------------------------------------------------------------|

31. 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

Signature Barry A. Langham Printed Name Barry A. Langham Title Prod. Eng. Date 4/15/96

# 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 25 through 29 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 2,164  
T. Salt 2,268  
B. Salt 2,835  
T. Yates 3,374  
T. 7 Rivers  
T. Queen 4,333  
T. Grayburg 4,422  
T. San Andres 5,162  
T. Glorieta 6,898  
T. Paddock 6,988  
T. Blinbry  
T. Tubb  
T. Drinkard  
T. Abo 8,518  
T. Wolfcamp 9,778  
T. Penn 10,938  
T. Cisco (Bough C)

T. Canyon  
T. Strawn 11,322  
T. Atoka 11,583  
T. Miss  
T. Devonian  
T. Silurian  
T. Montoya  
T. Simpson  
T. McKee  
T. Ellenburger  
T. Gr. Wash  
T. Delaware Sand  
T. Bone Springs  
T.  
T.  
T.  
T.

### Northwestern New Mexico

T. Ojo Alamo  
T. Kirtland-Fruitland  
T. Pictured Cliffs  
T. Cliff House  
T. Menefee  
T. Point Lookout  
T. Mancos  
T. Gallup  
Base Greenhorn  
T. Dakota  
T. Morrison  
T. Todilto  
T. Entrada  
T. Wingate  
T. Chinle  
T. Permian  
T. Penn "A"

T. Penn. "B"  
T. Penn. "C"  
T. Penn. "D"  
T. Leadville  
T. Madison  
T. Elbert  
T. McCracken  
T. Ignacio Otzte  
T. Granite  
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T.

### OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....  
No. 2, from.....to.....  
No. 3, from.....to.....  
No. 4, 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.....

### LITHOLOGY RECORD (Attach additional sheet if necessary)

| From   | To    | Thickness<br>in Feet | Lithology                     | From | To | Thickness<br>in Feet | Lithology |
|--------|-------|----------------------|-------------------------------|------|----|----------------------|-----------|
| 0      | 2164  | 2164'                | caliche, sand & red bedg      |      |    |                      |           |
| 2,164  | 3374  | 210'                 | salt & anhydrites             |      |    |                      |           |
| 3,374  | 3480  | 106'                 | sandstones & dolomites        |      |    |                      |           |
| 3,480  | 4422  | 942'                 | shale, dolomites & anhydrites |      |    |                      |           |
| 4,422  | 4860  | 438'                 | sandstone                     |      |    |                      |           |
| 4,860  | 7920  | 3060                 | dolomite                      |      |    |                      |           |
| 7,920  | 8100  | 180                  | shale                         |      |    |                      |           |
| 8,100  | 9300  | 1700                 | dolomite                      |      |    |                      |           |
| 9,800  | 10200 | 400                  | shale & dolomite              |      |    |                      |           |
| 10,200 | 10940 | 740                  | dolomite & limestone          |      |    |                      |           |
| 10,940 | 11322 | 382                  | shale & limestone             |      |    |                      |           |
| 11,322 | 11584 | 262                  | limestone                     |      |    |                      |           |
| 11,584 | 11639 | 55                   | shale                         |      |    |                      |           |
| 11,639 | 11660 | 21                   | sandstone                     |      |    |                      |           |
| 11,660 | 11740 | 80                   | shale                         |      |    |                      |           |

APR 1936  
Received  
Hobbs  
OCD