

Submit to Appropriate

District Office

State Lease - 6 copies

Fee Lease - 5 copies

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

## State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-105

Revised 1-1-89

OIL CONSERVATION DIVISION

P. O. Box 2089

Santa Fe, New Mexico 87504-2088

RECEIVED  
MAY 21 1999

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                                                                                                                                                                                                                                                                         |                                  |                                                                                |                                                           |                                                                                                              |                                                       |                                                                |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------|--|
| 1a. TYPE OF WELL:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <u>DHC-2197</u>                                                                                                                  |                                  |                                                                                |                                                           |                                                                                                              |                                                       | 7. Lease Name or Unit Agreement Name<br><br>San Juan 27-5 Unit |  |
| 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 <input type="checkbox"/>                         |                                  |                                                                                |                                                           |                                                                                                              |                                                       | 8. Well No.<br>129M                                            |  |
| 2. Name of Operator<br>BURLINGTON RESOURCES OIL & GAS COMPANY                                                                                                                                                                                                           |                                  |                                                                                |                                                           |                                                                                                              |                                                       | 9. Pool name or Wildcat                                        |  |
| 3. Address of Operator<br>PO BOX 4289, Farmington, NM 87499                                                                                                                                                                                                             |                                  |                                                                                |                                                           |                                                                                                              |                                                       |                                                                |  |
| 4. Well Location<br>Unit Letter <u>O</u> : <u>840</u> Feet From The <u>South</u> Line and <u>1450</u> Feet From The <u>East</u> Line<br>Section <u>26</u> Township <u>27N</u> Range <u>5W</u> NMPM <u>Rio Arriba</u> County                                             |                                  |                                                                                |                                                           |                                                                                                              |                                                       |                                                                |  |
| 10. Date Spudded<br>2-5-99                                                                                                                                                                                                                                              | 11. Date T.D. Reached<br>2-24-99 | 12. Date Compl. (Ready to Prod.)<br>5-18-99                                    | 13. Elevations (DF&RKB, RT, GR, etc.)<br>6600 GR, 6612 KB | 14. Elev. Casinghead                                                                                         |                                                       |                                                                |  |
| 15. Total Depth<br>7868                                                                                                                                                                                                                                                 | 16. Plug Back T.D.<br>7821       | 17. If Multiple Compl. How Many Zones?<br>2                                    | 18. Intervals Drilled By<br>0-7868                        | 19. Producing Interval(s), of this completion - Top, Bottom, Name<br>4164-5835 Mesaverde Commingled w/Dakota |                                                       |                                                                |  |
| 21. Type Electric and Other Logs Run<br>CNL-CDL,AIT, ML                                                                                                                                                                                                                 |                                  |                                                                                |                                                           | 20. Was Directional Survey Made<br>22. Was Well Cored<br>No                                                  |                                                       |                                                                |  |
| 23. CASING RECORD (Report all strings set in well)                                                                                                                                                                                                                      |                                  |                                                                                |                                                           |                                                                                                              |                                                       |                                                                |  |
| CASING SIZE                                                                                                                                                                                                                                                             | WEIGHT LB/FT.                    | DEPTH SET                                                                      | HOLE SIZE                                                 | CEMENTING RECORD                                                                                             |                                                       | AMOUNT PULLED                                                  |  |
| 9 5/8                                                                                                                                                                                                                                                                   | 32.3#                            | 237                                                                            | 12 1/4                                                    | 289 cu.ft.                                                                                                   |                                                       |                                                                |  |
| 7                                                                                                                                                                                                                                                                       | 23#                              | 3561                                                                           | 8 3/4                                                     | 1087 cu.ft.                                                                                                  |                                                       |                                                                |  |
| 24. LINER RECORD                                                                                                                                                                                                                                                        |                                  |                                                                                |                                                           |                                                                                                              |                                                       |                                                                |  |
| SIZE                                                                                                                                                                                                                                                                    | TOP                              | BOTTOM                                                                         | SACKS CEMENT                                              | SCREEN                                                                                                       | 25. TUBING RECORD                                     |                                                                |  |
| 4 1/2                                                                                                                                                                                                                                                                   | 3055                             | 7865                                                                           | 826 cu.ft.                                                |                                                                                                              | SIZE                                                  | DEPTH SET                                                      |  |
|                                                                                                                                                                                                                                                                         |                                  |                                                                                |                                                           |                                                                                                              | 2 3/8                                                 | 7661                                                           |  |
| 26. Perforation record (interval, size, and number)                                                                                                                                                                                                                     |                                  |                                                                                |                                                           |                                                                                                              |                                                       |                                                                |  |
| 4164, 4166, 4168, 4207, 4211, 4215, 4217, 4220, 4376, 4380, 4383, 4385, 4387, 4392, 4411, 4413, 4417, 4420, 4518, 4522, 4524, 4527, 4530, 4532, 4572, 4575, 4577, 4585, 4587, 4646, 4649, 4658, 4660, 4662, 4706, 4708, 4710, 4712, 4749, 4751, 4754, 4757, 4829, 4837. |                                  |                                                                                | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.           |                                                                                                              |                                                       |                                                                |  |
|                                                                                                                                                                                                                                                                         |                                  |                                                                                | DEPTH INTERVAL                                            |                                                                                                              | AMOUNT AND KIND MATERIAL USED                         |                                                                |  |
|                                                                                                                                                                                                                                                                         |                                  |                                                                                | 4164-4844                                                 |                                                                                                              | 40,000 gal 75 Qual foam, 197,000# 20/40 Arizona sd    |                                                                |  |
|                                                                                                                                                                                                                                                                         |                                  |                                                                                | 4938-5395                                                 |                                                                                                              | 101,000 gal 2% KCl slk wtr, 100,000# 20/40 Arizona sd |                                                                |  |
|                                                                                                                                                                                                                                                                         |                                  |                                                                                | 5475-5835                                                 |                                                                                                              | 1945 bbl 2% KCl slk wtr, 100,000# 20/40 Arizona sd    |                                                                |  |
| 28. PRODUCTION                                                                                                                                                                                                                                                          |                                  |                                                                                |                                                           |                                                                                                              |                                                       |                                                                |  |
| Date First Production                                                                                                                                                                                                                                                   |                                  | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Flowing |                                                           |                                                                                                              | Well Status (Prod. or Shut-in)<br>SI                  |                                                                |  |
| Date of Test<br>5-18-99                                                                                                                                                                                                                                                 | Hours Tested                     | Choke Size                                                                     | Prod'n for Test Period                                    | Oil - Bbl.<br>987 Pitot Gauge                                                                                | Gas - MCF                                             | Water - Bbl.                                                   |  |
| Flow Tubing Press.<br>SI 1162                                                                                                                                                                                                                                           | Casing Pressure<br>SI 1038       | Calculated 24-Hour Rate                                                        | Oil - Bbl.                                                | Gas - MCF                                                                                                    | Water - Bbl.                                          | Oil Gravity - API - (Corr.)                                    |  |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>To be sold                                                                                                                                                                                                |                                  |                                                                                |                                                           |                                                                                                              | Test Witnessed By                                     |                                                                |  |
| 30. List Attachments<br>None                                                                                                                                                                                                                                            |                                  |                                                                                |                                                           |                                                                                                              |                                                       |                                                                |  |
| 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 <u>Peggy Bradfield</u>                                                                                                                                                                                                                                        |                                  |                                                                                | Printed Name <u>Peggy Bradfield</u>                       |                                                                                                              | Title <u>Regulatory Administrator</u>                 | Date <u>5/19/99</u>                                            |  |

# 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            | T. Canyon        |
| T. Salt            | T. Strawn        |
| 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. Delaware Sand |
| T. Drinkard        | T. Bone Springs  |
| T. Abo             | T.               |
| T. Wolfcamp        | T.               |
| T. Penn            | T.               |
| T. Cisco (Bough C) | T.               |

## Northwestern New Mexico

|                       |           |                         |
|-----------------------|-----------|-------------------------|
| T. Ojo Alamo          | 2752      | T. Penn. "B"            |
| T. Kirtland-Fruitland | 2935-3023 | T. Penn. "C"            |
| T. Pictured Cliffs    | 3360      | T. Penn. "D"            |
| T. Cliff House        | 4935      | T. Leadville            |
| T. Menefee            | 5155      | T. Madison              |
| T. Point Lookout      | 5507      | T. Elbert               |
| T. Mancos             | 6015      | T. McCracken            |
| T. Gallup             | 6677      | T. Ignacio Otzte        |
| Base Greenhorn        | 7474      | T. Granite              |
| T. Dakota             | 7658      | T. Lewis - 3465         |
| T. Morrison           |           | T. Huerfano Bent - 3860 |
| T. Todilto            |           | T. Chacra - 4360        |
| T. Entrada            |           | T. Graneros - 7529      |
| T. Wingate            |           | T.                      |
| T. Chinle             |           | T.                      |
| T. Permian            |           | T.                      |
| T. Penn "A"           |           | T.                      |

## OIL OR GAS SANDS OR ZONES

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, 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                                                                                        |
|------|------|----------------------|--------------------------------------------------------------------------------------|------|------|----------------------|--------------------------------------------------------------------------------------------------|
| 2752 | 2935 |                      | White, cr-gr ss.                                                                     | 6015 |      |                      | Dark gry carb sh.                                                                                |
| 2935 | 3023 |                      | Gry sh interbedded w/tight, gry,<br>fine-gr ss                                       | 6677 | 7474 |                      | Lt gry to brn calc carb micac glauc<br>silts & very fine gr gry ss w/irreg.<br>interbedded sh    |
| 3023 | 3360 |                      | Dk gry-gry carb sh, coal, grn silts,<br>light-med gry, tight, fine gr ss             | 7474 | 7529 |                      | Highly calc gry sh w/thin lmst                                                                   |
| 3360 | 3465 |                      | Bn-gry, fine grn, tight ss                                                           | 7529 | 7658 |                      | Dk gry shale, fossil & carb<br>w/pyrite incl                                                     |
| 3465 | 3860 |                      | Shale w/siltstone stringers                                                          | 7658 | 7868 |                      | Lt to dk gry foss carb sl calc sl<br>silty ss w/pyrite incl thin sh bands<br>clay & shale breaks |
| 3860 | 4360 |                      | White, waxy chalky bentonite                                                         |      |      |                      |                                                                                                  |
| 4360 | 4935 |                      | Gry fn grn silty, glauconitic sd<br>stone w/drak gry shale                           |      |      |                      |                                                                                                  |
| 4935 | 5155 |                      | ss. Gry, fine-grn, dense sil ss.                                                     |      |      |                      |                                                                                                  |
| 5155 | 5507 |                      | Med-dark gry, fine gr ss, carb sh<br>& coal                                          |      |      |                      |                                                                                                  |
| 5507 | 6015 |                      | Med-light gry, very fine gr ss<br>w/frequent sh breaks in lower part<br>of formation |      |      |                      |                                                                                                  |

Perforations continued:

4840, 4844, 4938, 4946, 4956, 4986, 5035, 5042, 5049, 5077, 5087,  
 5113, 5120, 5130, 5136, 5143, 5149, 5259, 5271, 5295, 5355, 5362,  
 5368, 5372, 5377, 5383, 5395, 5475, 5515, 5531, 5538, 5550, 5562,  
 5571, 5575, 5580, 5594, 5600, 5619, 5623, 5637, 5643, 5653, 5669,  
 5689, 5718, 5732, 5745, 5765, 5770, 5799, 5829, 5835