

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

100-100-24-11-13  
100-100-24-11-13

|   |   |
|---|---|
| 1a. Type of Work<br>DRILL   | 5. Lease Number<br>SF-078387<br>Unit Reporting Number   |
| 1b. Type of Well<br>GAS   | 6. If Indian, All. or Tribe   |
| 2. Operator<br><b>BURLINGTON RESOURCES</b> Oil & Gas Company  | 7. Unit Agreement Name  |
| 3. Address & Phone No. of Operator<br>PO Box 4289, Farmington, NM 87499<br>(505) 326-9700               | 8. Farm or Lease Name<br>Howell D<br>9. Well Number<br>1B   |
| 4. Location of Well<br>910' FNL, 1820' FWL<br>Latitude 36° 52.4, Longitude 107° 41.0                    | 10. Field, Pool, Wildcat<br>Blanco MV/Basin DK<br>11. Sec., Twn, Rge, Mer. (NMPM)<br>Sec. 28, T-31-N, R-8-W<br>API # 30-045-30064 |
| 14. Distance in Miles from Nearest Town<br>4 miles from Navajo Dam Post Office                          | 12. County<br>San Juan<br>13. State<br>NM   |
| 15. Distance from Proposed Location to Nearest Property or Lease Line<br>910'                           | 17. Acres Assigned to Well<br>320 W/2   |
| 16. Acres in Lease  |   |
| 18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease<br>1100' |   |
| 19. Proposed Depth<br>8050'   | 20. Rotary or Cable Tools<br>Rotary   |
| 21. Elevations (DF, FT, GR, Etc.)<br>6520' GR   | 22. Approx. Date Work will Start  |
| 23. Proposed Casing and Cementing Program<br>See Operations Plan attached                               | DRILLING OPERATIONS AUTHORIZED ARE<br>SUBJECT TO COMPLIANCE WITH ATTACHED<br>"GENERAL REQUIREMENTS"                               |
| 24. Authorized by: <u><i>Regan Cole</i></u><br>Regulatory/Compliance Administrator                      | <u>10-12-99</u><br>Date   |

PERMIT NO. \_\_\_\_\_  
APPROVED BY */s/ Charlie Beecham*

APPROVAL DATE \_\_\_\_\_  
DATE FEB - 1 2000

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

*chsz*

NMOCD

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

## Sundry Notices and Reports on Wells

## 1. Type of Well

GAS

## 2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL &amp; GAS COMPANY

## 3. Address &amp; Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

## 4. Location of Well, Footage, Sec., T, R, M

910' FNL, 1820' FWL, Sec.28, T-31-N, R-8-W, NMPM

5.

Lease Number

SF-078387

6.

If Indian, All. or

Tribe Name

Unit Agreement Name

Well Name &amp; Number

Howell D #1B

API Well No.

30-045-30064

10.

Field and Pool

Blanco MV/Basin DK

11.

County and State

San Juan Co, NM

## 12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

## Type of Submission

## Type of Action

☒ Notice of Intent☐ Abandonment☒ Change of Plans☐ Subsequent Report☐ Recompletion☐ New Construction☐ Final Abandonment☐ Plugging Back☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☒ Altering Casing☐ Conversion to Injection☐ Other -

## 13. Describe Proposed or Completed Operations

It is intended to alter the approved casing depths and cement of the subject well:

Revisions:

Mud Program:

| Interval   | Type     | Weight  | Fluid Loss |
|------------|----------|---------|------------|
| 0-300'     | Spud     | 8.4-9.0 | No Control |
| 300-3614'  | LSND     | 8.4-9.0 | No Control |
| 3614-8050' | Air/Mist | n/a     | n/a        |

Casing Program:

| Hole Size       | Depth Interval | Casing Size | Weight    | Grade |
|-----------------|----------------|-------------|-----------|-------|
| 17-1/2"         | 0-300'         | 13-3/8"     | 48#       | H-40  |
| 10-5/8"         | 0-3614'        | 8-5/8"      | 32#       | J-55  |
| 7-7/8"          | 3514-8050'     | 5-1/2"      | 15.50#    | J-55  |
| Tubing Program: | 0-6029'        | 1-1/2"      | 2.75# IJ  |       |
|                 | 0-8050'        | 1-1/2"      | 2.90# EUE |       |

Cementing Program:

13-3/8" surface casing - 530 sx Class "B" cement with 0.25 pps flocele and 3% calcium chloride (625 cu.ft. of slurry, 200% excess to circulate to surface).

8-5/8" intermediate casing - Lead with 468 sx Class "B" cement with 3% sodium metasilicate, 5 pps Gilsonite, 0.25 pps flocele. Tail with 90 sx Class "B" cement with 2% sodium metasilicate, 2% calcium chloride, 5 pps Gilsonite and 0.25 pps flocele (1518 cu.ft. of slurry, 100% excess to circulate to surface).

8-5/8" intermediate casing (alternative two stage cement job) - 1<sup>st</sup> Stage with 196 sx Class "B" cement with 2% sodium metasilicate, 2% calcium chloride, 5 pps Gilsonite and 0.25 pps flocele. 2<sup>nd</sup> Stage with 406 sx Class "B" cement with 3% sodium metasilicate, 5 pps Gilsonite, 0.25 pps flocele. Stage tool at 2811'. (1518 cu.ft. of slurry, 100% excess to circulate to surface).

5-1/2" production liner - 853 sx Class "B" 50/50 poz with 2% gel, 0.25 pps flocele, 5 pps gilsonite, 0.4% fluid loss, 0.1% retardant (1101 cu.ft. of slurry, 40% excess to circulate to top of liner).

Wellhead:

13-3/8" x 8-5/8" x 1-1/2" EUE x 1-1/2" IJ x 5000 psi tree assembly.

## 14. I hereby certify that the foregoing is true and correct.

Signed Charlie Beecham (DWS) Title Regulatory Administrator Date 1/26/00

no

(This space for Federal or State Office use)

APPROVED BY /s/ Charlie Beecham Title \_\_\_\_\_Date FEB - 1 2000

CONDITION OF APPROVAL, if any:

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer DD, Artesia, NM 88211-0719

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

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088 NOV 24 AM 11:13

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

OIL CONSERVATION, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                              |  |   |  |  |                      |
|------------------------------|--|---|--|--|----------------------|
| 1 API Number<br>30-045 30064 |  | 2 Pool Code<br>71599/72319                                |  | 3 Pool Name<br>Basin Dakota/Blanco Mesaverde |                      |
| 4 Property Code<br>7124      |  | 5 Property Name<br>HOWELL D                               |  |  | 6 Well Number<br>1B  |
| 7 OGRID No.<br>14538         |  | 8 Operator Name<br>BURLINGTON RESOURCES OIL & GAS COMPANY |  |  | 9 Elevation<br>6520' |

10 Surface Location

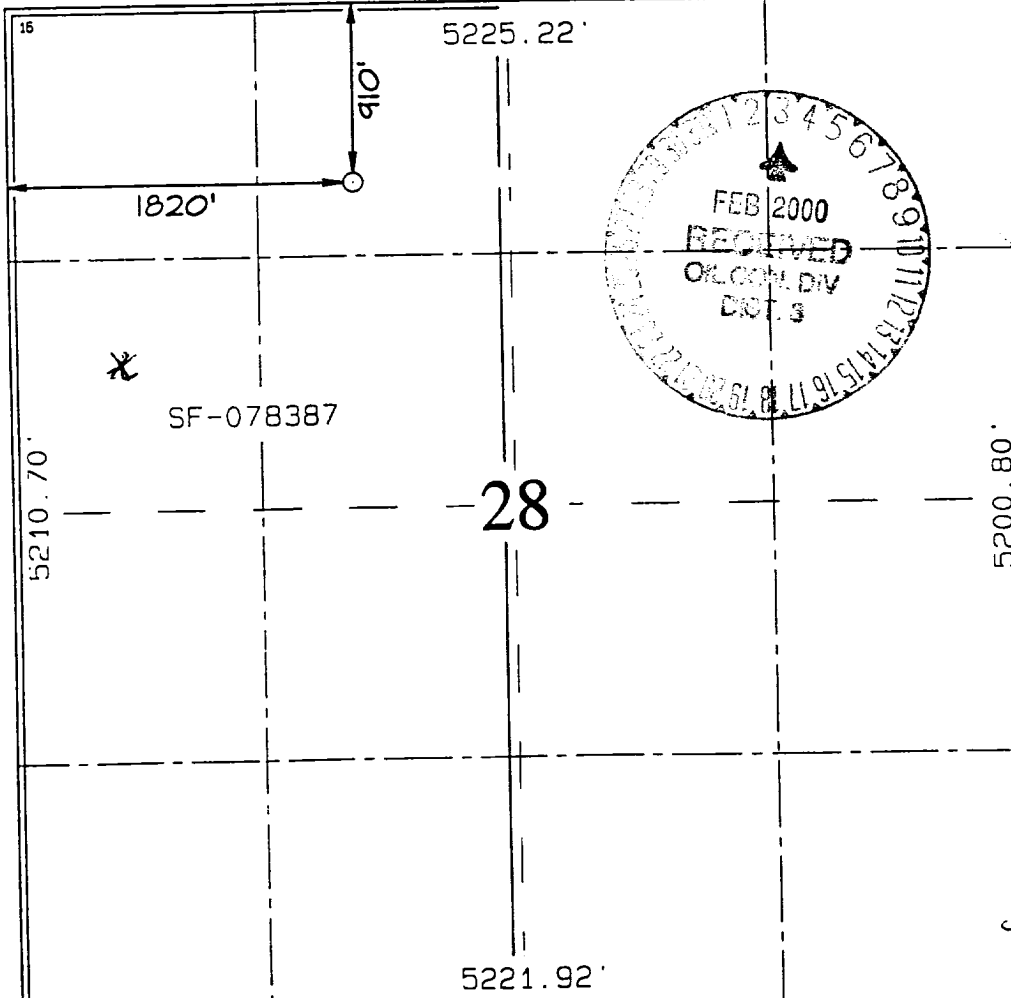
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| C             | 28      | 31N      | 8W    |         | 910           | NORTH            | 1820          | WEST           | SAN JUAN |

11 Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

|  |                    |                       |              |
|--|--------------------|-----------------------|--------------|
| 12 Dedicated Acres<br>DK: W/320<br>MV: W/320 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|--|--------------------|-----------------------|--------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

|  |  |
|--|--|
|  | <p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Peggy Cole</i></p> <p>Signature</p> <p>Peggy Cole</p> <p>Printed Name</p> <p>Regulatory Administrator</p> <p>Title</p> <p>10-12-99</p> <p>Date</p>  |
|  | <p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>SEPTEMBER 17, 1999</p> <p>Date of Survey</p> <p><i>Neale C. Edwards</i></p> <p>Signature and Seal</p> <p>NEALE C. EDWARDS<br/>NEW MEXICO<br/>6857<br/>REGISTERED PROFESSIONAL SURVEYOR</p> <p>Certificate Number 6857</p> |

910' FNL & 1820' FWL, SECTION 28, T31N, R8W, N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

1800' NEW BLM CONSTRUCTION  
1000' NWNW SECTION 28, T31N, R8W  
800' NE/NW SECTION 28, T31N, R8W.

