

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
DRILL

5. Lease Number  
SF-079403  
Unit Reporting Number

1b. Type of Well  
GAS

6. If Indian, All. or Tribe

2. Operator  
**BURLINGTON RESOURCES** Oil & Gas Company

7. Unit Agreement Name  
San Juan 27-5 Unit

3. Address & Phone No. of Operator  
PO Box 4289, Farmington, NM 87499  
(505) 326-9700

8. Farm or Lease Name  
San Juan 27-5 Unit

9. Well Number  
96A

4. Location of Well  
940' FSL, 1545' FEL  
Latitude 36° 34.1, Longitude 107° 20.5

10. Field, Pool, Wildcat  
Blanco Mesaverde

11. Sec., Twn, Rge, Mer. (NMPM)  
Sec. 15, T-27-N, R-5-W  
API # 30-039-26089

14. Distance in Miles from Nearest Town  
8 miles to Gobernador

12. County  
Rio Arriba

13. State  
NM

15. Distance from Proposed Location to Nearest Property or Lease Line  
940'

16. Acres in Lease

17. Acres Assigned to Well  
320 E/2

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease  
2000'

19. Proposed Depth  
5991'

20. Rotary or Cable Tools  
Rotary

21. Elevations (DF, FT, GR, Etc.)  
6605' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program  
See Operations Plan attached

24. Authorized by: Duane W. Spencer  
Regulatory/Compliance Administrator

12-23-98  
Date

PERMIT NO. \_\_\_\_\_ APPROVAL DATE MAY 25 1999

APPROVED BY /s/ Duane W. Spencer TITLE Team Lead, Petroleum Management DATE \_\_\_\_\_

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.

NMOCD

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

Form C-102  
Revised February 21, 1994

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

99 JAN 29 PM 1:28  
AMENDED REPORT

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                             |  |                                |
|-----------------------------|--|--------------------------------|
| *API Number<br>30-039-26089 | *Pool Code<br>72319                                      | *Pool Name<br>Blanco Mesaverde |
| *Property Code<br>7454      | *Property Name<br>SAN JUAN 27-5 UNIT                     | *Well Number<br>96A            |
| *OGRID No.<br>14538         | *Operator Name<br>BURLINGTON RESOURCES OIL & GAS COMPANY | *Elevation<br>6605'            |

10 Surface Location

|                    |               |                 |             |         |                      |                           |                       |                        |                      |
|--------------------|---------------|-----------------|-------------|---------|----------------------|---------------------------|-----------------------|------------------------|----------------------|
| UL or lot no.<br>0 | Section<br>15 | Township<br>27N | Range<br>5W | Lot Idn | Feet from the<br>940 | North/South line<br>SOUTH | Feet from the<br>1545 | East/West line<br>EAST | County<br>RIO ARriba |
|--------------------|---------------|-----------------|-------------|---------|----------------------|---------------------------|-----------------------|------------------------|----------------------|

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>MV-E/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

|   |              |  |
|---|--------------|--|
| 16  | 5346.66'     | 17 OPERATOR CERTIFICATION<br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief<br><br>Signature<br>Peggy Bradfield<br>Printed Name<br>Regulatory Administrator<br>Title<br>12-23-98<br>Date   |
| RECEIVED<br>MAY 27 1999<br>OIL CON. DIV.<br>DIST. 3 | NMSF-079492A |  |
| 5410.02'  | 15           | 5380.98'   |
|   | NMSF-079403  | FEE  |
|   | 5181.66'     | 1545'  |
|   | 940'         | 18 SURVEYOR CERTIFICATION<br>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.<br><br>NOVEMBER 19, 1998<br>Date of Survey<br>Signature and Seal of Professional Surveyor<br>NEALE C. EDWARDS<br>NEW MEXICO<br>6857<br>6857<br>Certificate Number |

## OPERATIONS PLAN

**Well Name:** San Juan 27-5 Unit #96A  
**Surface Location:** 940' FSL, 1545' FEL, Section 15, T-27-N, R-5-W  
Rio Arriba County, New Mexico  
Latitude 36° 34.1, Longitude 107° 20.5  
**Formation:** Blanco Mesa Verde  
**Elevation:** 6605' GL

| <b><u>Formation Tops:</u></b> | <b><u>Top</u></b> | <b><u>Bottom</u></b> | <b><u>Contents</u></b> |
|-------------------------------|-------------------|----------------------|------------------------|
| Surface                       | San Jose          | 2801'                | aquifer                |
| Ojo Alamo                     | 2801'             | 2931'                | aquifer                |
| Kirtland                      | 2931'             | 3007'                | gas                    |
| Fruitland                     | 3007'             | 3414'                | gas                    |
| Pictured Cliffs               | 3414'             | 3516'                | gas                    |
| Lewis                         | 3516'             | 3910'                | gas                    |
| <b>Intermediate TD</b>        | <b>3616'</b>      |                      |                        |
| Mesa Verde                    | 3910'             | 4378'                | gas                    |
| Chacra                        | 4378'             | 5085'                | gas                    |
| Massive Cliff House           | 5085'             | 5237'                | gas                    |
| Menefee                       | 5237'             | 5591'                | gas                    |
| Point Lookout                 | 5591'             |                      | gas                    |
| <b>Total Depth</b>            | <b>5991'</b>      |                      |                        |

**Logging Program:**

Cased hole logging - Gamma Ray, Cement bond from surface to TD  
Mud Logs/Coring/DST - none

**Mud Program:**

| <u>Interval- MD</u> | <u>Type</u> | <u>Weight</u> | <u>Vis.</u> | <u>Fluid Loss</u> |
|---------------------|-------------|---------------|-------------|-------------------|
| 0- 80'              | Spud        | 8.4-9.0       | 40-50       | no control        |
| 80- 3000'           | LSND        | 8.4-9.0       | 30-60       | no control        |
| 3000- 5991'         | Air/Mist    | n/a           | n/a         | n/a               |

Pit levels will be visually monitored to detect gain or loss of fluid control.

**Casing Program (as listed, the equivalent, or better):**

| <u>Hole Size</u> | <u>Measured Depth</u> | <u>Csg Size</u> | <u>Weight</u> | <u>Grade</u> |
|------------------|-----------------------|-----------------|---------------|--------------|
| 12 1/4"          | 0' - 80'              | 9 5/8"          | 32.3#         | H-40         |
| 8 3/4"           | 0' - 3000'            | 7"              | 20.0#         | J-55         |
| 6 1/4"           | 2900' - 5991'         | 4 1/2"          | 10.5#         | J-55         |

**Tubing Program:** 0' - 5991' 2 3/8" 4.7# J-55

**BOP Specifications, Wellhead and Tests:**

**Surface to Intermediate TD -**

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).  
After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

**BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 27-5 UNIT #96A**

940' FSL & 1545' FEL, SECTION 15, T27N, R5W, N.M.P.M.  
RIO ARriba COUNTY, NEW MEXICO

APD MAP #1

2300' 2-TRACK NEW FEE CONSTRUCTION  
1200' NE/NE SECTION 22, T27N, R5W  
1100' SE/SE SECTION 15, T27N, R5W.

