


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | |
|--|---|---|
| 1a. Type of Work DRILL | RECEIVED MAY 18 1998 OIL CON. DIV. DIST. 3 | 5. Lease Number SF-078951 Unit Reporting Number |
| 1b. Type of Well GAS | | 6. If Indian, All. or Tribe |
| 2. Operator BURLINGTON RESOURCES 14538 Oil & Gas Company | | 7. Unit Agreement Name San Juan 29-7 Unit |
| 3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 | | 8. Farm or Lease Name 7465 San Juan 29-7 Unit 9. Well Number 159 |
| 4. Location of Well 865' FNL, 1850' FWL Latitude 36° 45.6, Longitude 107° 35.8 | | 10. Field, Pool, Wildcat 72359 Blanco Pic. Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec 5, T-29-N, R-7-W API # 30-039-25856 |
| 14. Distance in Miles from Nearest Town 1 mile to Navajo City | | 12. County RA 13. State NM |
| 15. Distance from Proposed Location to Nearest Property or Lease Line 865' | | |
| 16. Acres in Lease | | 17. Acres Assigned to Well 155.10 |
| 18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 80' | | |
| 19. Proposed Depth 3200' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4. | | 20. Rotary or Cable Tools Rotary |
| 21. Elevations (DF, FT, GR, Etc.) 6065' GR | | 22. Approx. Date Work will Start |
| 23. Proposed Casing and Cementing Program See Operations Plan attached | | DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" |
| 24. Authorized by:  Regulatory/Compliance Administrator | | 4-14-98 Date |

PERMIT NO. _____ APPROVAL DATE MAY 15 1998
APPROVED BY /s/ Duane W. Spencer TITLE _____ 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
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-------------------------------------|--|--|
| API Number 30-039 - 25856 | Pool Code 72359 | Pool Name Blanco Pictured Cliffs |
| Property Code 7465 | Property Name SAN JUAN 29-7 UNIT | Well Number 159 |
| GRID No. 14538 | Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY | Elevation 6065' |

10 Surface Location

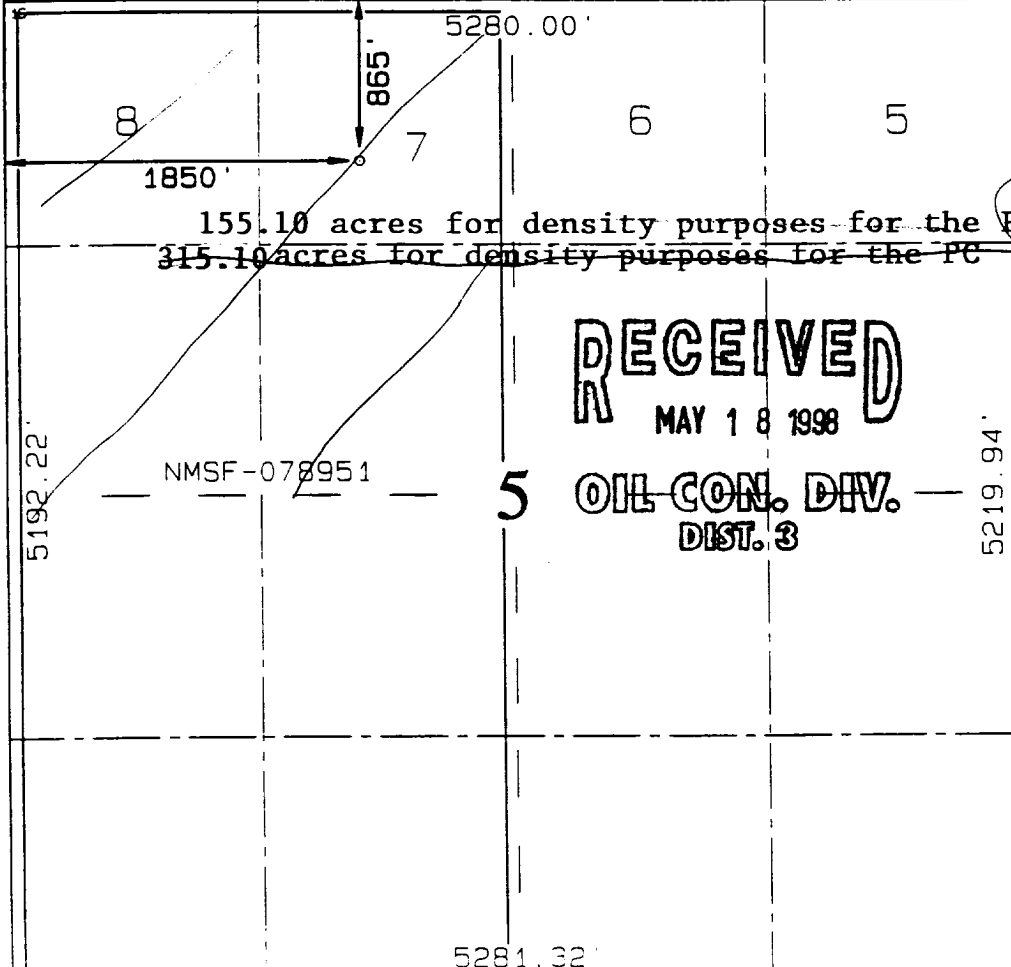
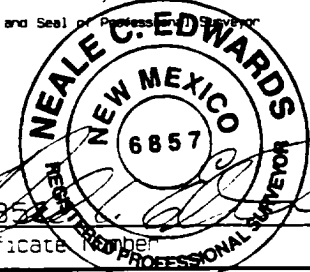
| | | | | | | | | | |
|---------------------------|---------------------|------------------------|--------------------|---------|-----------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------------|
| UL or lot no. C | Section 5 | Township 29N | Range 7W | Lot Idn | Feet from the 865 | North/South line North | Feet from the 1850 | East/West line West | County 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

| | | | |
|---|-----------------|--------------------|-----------|
| Dedicated Acres 155.10 W/315.10 | Joint or Infill | Consolidation Code | 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 Bradford</i> Signature Peggy Bradford Printed Name Regulatory Administrator Title 4-24-98 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>JANUARY 17, 1998 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number</p> |
|--|--|

OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #159
 Location: 865'FNL, 1850'FWL Section 5, T-29-N, R-7-W
 Rio Arriba County, New Mexico
 Latitude 36° 45.6', Longitude 107° 35.8'
 Formation: Blanco Pictured Cliffs
 Elevation: 6065'GL

| Formation: | Top | Bottom | Contents |
|-----------------|----------|--------|----------|
| Surface | San Jose | 1901' | |
| Ojo Alamo | 1901' | 2019' | aquifer |
| Kirtland | 2019' | 2577' | |
| Fruitland | 2577' | 2880' | gas |
| Pictured Cliffs | 2880' | | gas |
| Total Depth | 3200' | | |

Logging Program: SFL-LDT-APS.

Coring Program: none

Mud Program:

| <u>Interval</u> | <u>Type</u> | <u>Weight</u> | <u>Vis.</u> | <u>Fluid Loss</u> |
|-----------------|-------------|---------------|-------------|-------------------|
| 0- 200' | Spud | 8.4-9.0 | 40-50 | no control |
| 200-3200' | LSND | 8.4-9.0 | 40-60 | no control |

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

| <u>Hole Size</u> | <u>Depth Interval</u> | <u>Csq.Size</u> | <u>Wt.</u> | <u>Grade</u> |
|------------------|-----------------------|-----------------|------------|--------------|
| 8 3/4" | 0 - 200' | 7" | 20.0# | K-55 |
| 6 1/4" | 0 - 3200' | 4 1/2" | 10.5# | K-55 |

Tubing Program: - none

Float Equipment: 7" surface casing - saw tooth guide shoe.
 Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 2019'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2019'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 4 1/2" 2000 psi screw on independent wellhead.

865' FNL & 1850' FWL, SECTION 5, T29N, R7W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO

