

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
NMSF 078430-078389
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
32852

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

8. Farm or Lease Name
Newsom B Com

9. Well Number
502

4. Location of Well
660' FSL, 660' FWL
Latitude 36°30.6582', Longitude 107° 42.6938' W

10. Field, Pool, Wildcat
Basin Fruitland Coal

11. Sec., Twn, Rge, Mer. (NMPM)
Sec. 5, T-26N, R-8W
API # 30-045-31743

14. Distance in Miles from Nearest Town
Bloomfield - 36 Miles

12. County
San Juan

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
660'

16. Acres in Lease

17. Acres Assigned to Well
320

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
1400'

19. Proposed Depth
2209'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6187' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: [Signature]
Regulatory/Compliance Supervisor Date 6-2-03

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY /s/ David J. Mankiewicz

TITLE _____

DATE AUG 27 2003

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.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

NMOC

District II
PO Drawer DD, Artesia, NM 88211-0719Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 CopiesDistrict III
1000 Rio Brazos Rd., Aztec, NM 87410OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

RECEIVED

District IV
PO Box 2088, Santa Fe, NM 87504-2088☐ AMENDED REPORT

2003 JUN 24 PM 12:28

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|------------------------------|--|------------------------------------|
| *API Number 30-045- 31743 | *Pool Code 71629 | *Pool Name Basin Fruitland Coal |
| *Property Code 32852 | *Property Name NEWSOM B COM | *Well Number 502 |
| *OGRID No. 14538 | *Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP | *Elevation 6187' |


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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| M | 5 | 26N | 8W | | 660 | SOUTH | 660 | 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 S/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 1311.42' LOT 4 1298.88' 5134.14' LOT 3 LOT 2 LOT 1 1317.36' 1304.82' 5218.62' 2609.64' 2597.76' 1940' 660' 1940' 660' LAT: 36°30.6582' N LONG: 107°42.6938' W USA SF-078384 USA SF-078430 | 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <i>Peggy Cole</i> Peggy Cole Printed Name Regulatory Supervisor Title 6-2-03 Date |
| | 18 SURVEYOR CERTIFICATION 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. Survey Date: FEBRUARY 12, 2003 Signature and Seal of Professional Surveyor  JASON C. EDWARDS Certificate Number 15269 |

OPERATIONS PLAN

Well Name: Newsom B Com 502
Location: 660' FSL, 660' FWL Section 5, T-26-N, R-8-W
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 6187' GR

| Formation: | Top | Bottom | Contents |
|-----------------|----------|--------|----------|
| Surface | San Jose | 1169' | |
| Ojo Alamo | 1169' | 1287' | aquifer |
| Kirtland | 1287' | 1672' | gas |
| Fruitland | 1672' | 2001' | gas |
| B/Basal Coal | 2001' | 2009' | gas |
| Pictured Cliffs | 2009' | | gas |
| Total Depth | 2209' | | |

Logging Program: TD to Surface
Mudlog: None

Coring Program: none

Mud Program:

| Interval | Type | Weight | Vis. | Fluid Loss |
|-----------|---------------|---------|-------|------------|
| 0- 120' | Spud | 8.4-9.0 | 40-50 | no control |
| 120-2209' | Non-dispersed | 8.4-9.5 | 30-60 | no control |

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

| Hole Size | Depth Interval | Csg. Size | Wt. | Grade |
|-----------|----------------|-----------|-------|-------|
| 9 7/8" | 0' - 120' | 7" | 20.0# | J-55 |
| 6 1/4" | 0' - 2209' | 4 1/2" | 10.5# | J-55 |

Tubing Program:

| | | | |
|------------|--------|------|------|
| 0' - 2209' | 2 3/8" | 4.7# | J-55 |
|------------|--------|------|------|

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

4 1/2" production casing - guide shoe and self-fill float collar. Three centralizers run every other joint above shoe. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 1287'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1287'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 4 1/2" x 2 3/8" x 11" 2000 psi screw on independent wellhead.

Cementing:

7" surface casing - cement with 30 sx Class A, B Portland Type I, II cement (36 cu.ft. of slurry, bring cement to surface) or equivalent. Wait on cement for 24 hours for pre-set holes or 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Test casing to 600 psi for 30 minutes.

4 1/2" production casing - Lead w/101 sx Premium Lite cement w/3% calcium chloride, 1/4 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52, and 0.4% SMS. Tail w/90 sx Type III cement w/1% calcium chloride, 1/4 pps Cello-Flake, and 0.2% FL-52 (340 cu.ft. of slurry, 50% excess to circulate to surface.) If cement is not circulated to surface, a temp survey or CBL will be run during drilling or completion operations to determine TOC.

4 1/2" production casing alternative two stage: Stage collar 1572'. First stage: cement with w/175 sx Type III cmt w/1% calcium chloride, 0.25 pps Flocele, 0.2% fluid loss. Second stage: 46 sx Premium Lite cmt with 3% calcium

chloride, 0.25 pps Flocele, 5 ps LCM-1, 0.4% fluid loss, 0.4% SMS (340 cu.ft., 50% excess to circulate to surface).

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 7 1/16" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 2000 psi/15 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated to least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

BOP and tests (If a coiled tubing drilling (CTD) rig is utilized.):

Surface to TD: 7-1/16" 2000 psi (minimum) Torus annular BOP stack (Reference Figure #1b). Prior to drilling out surface casing, test annular BOP to 600psi/30 min.

Completion: 7-1/16" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test blind rams and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 psi for 30 minutes each.

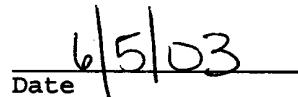
From surface to TD: choke manifold (Reference Figure #3).

The annular BOP will be actuated to close on drill pipe (coiled tubing) at least once each day and to close on open hole once each trip to test proper functioning.

Additional information:

- * Anticipated pore pressure for the Fruitland is 500 psi.
- * This gas is dedicated.
- * The south half of Section 5 is dedicated to the Fruitland Coal.


Drilling Engineer


Date