

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-078200 B
1b. Type of Well GAS	Unit Reporting Number
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Riddle B
4. Location of Well 660' FNL, 1835' FEL Latitude 36° 48.2, Longitude 107° 51.0	9. Well Number 2B
10. Field, Pool, Wildcat Blanco Mesaverde	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 23, T-30-N, R-10-W API # 30-045-29824
12. County San Juan	13. State NM
14. Distance in Miles from Nearest Town 7 miles to Aztec	15. Distance from Proposed Location to Nearest Property or Lease Line 660'
16. Acres in Lease	17. Acres Assigned to Well 315.98
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 500'	19. Proposed Depth 5646'
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.) 6389' GR
22. Approx. Date Work will Start	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: <i>[Signature]</i> Regulatory/Compliance Administrator	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY */s/ Joe Hewitt*

TITLE *Acting Team Lead, Petroleum Management*

DATE *MAR 30 1999*

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.

*OK @*

NMOCB

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

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

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

99 FEB - 8 AM 9:31

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 29824		*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 7427	*Property Name RIDDLE B		*Well Number 2B
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6389'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	23	30N	10W		660	NORTH	1835	EAST	SAN JUAN

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres E/315.98		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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

<sup>16</sup>				<sup>17</sup> OPERATOR CERTIFICATION			
5179.68'				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief			
4				Signature Peggy Bradfield			
3				Printed Name Regulatory Administrator			
2				Title 2-2-99			
1				Date			
5273.40'				18 SURVEYOR CERTIFICATION			
RECEIVED APR - 2 1999 OIL CON. DIV. DIST. 3				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.			
23				DECEMBER 1, 1998			
NMSF-078200				Date of Survey			
12				Signature and Seal of Professional Surveyor			
11				NEALE C. EDWARDS NEW MEXICO 6857			
10				Certificate Number			
9				PROFESSIONAL SURVEYOR			
13							
14							
15							
16							
5244.36'							

## OPERATIONS PLAN

**Well Name:** Riddle B #2B  
**Location:** 660' FNL, 1835' FEL, Sec. 23, T-30-N, R-10-W  
San Juan County, NM  
Latitude 36° 48.2, Longitude 107° 51.0  
**Formation:** Blanco Mesa Verde  
**Elevation:** 6389'GR

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1691'	
Ojo Alamo	1691'	1847'	
Kirtland	1847'	2491'	
Fruitland	2491'	3009'	
Pictured Cliffs	3009'	3182'	
Lewis	3182'	3751'	
<b>Intermediate TD</b>	<b>3282'</b>		
Mesa Verde	3751'	4011'	
Chacra	4011'	4631'	
Massive Cliff House	4631'	4791'	
Menefee	4791'	5246'	
Massive Point Lookout	5246'		
<b>TD</b>	<b>5646'</b>		

### Logging Program:

Cased hole - GR/CBL - surface to TD

### 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
200-3282'	LSND	8.4-9.0	30-60	no control
3282-5646'	Gas	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>Depth Interval</u>	<u>Csq.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3282'	7"	20.0#	J-55
6 1/4"	3182' - 5646'	4 1/2"	10.5#	J-55

### Tubing Program:

0' - 5646'      2 3/8"      4.70# EUE

### 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 RIDDLE B #2B

660' FNL & 1835' FEL, SECTION 23, T30N, R10W, N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

350' NEW BLM CONSTRUCTION  
NWNE SECTION 23, T30N, R10W.



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 & GAS COMPANY

3. Address & Phone No. of Operator

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

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

660' FNL 1835' FEL, Sec. 23, T-30-N, R-10-W, NMPM

5. Lease Number  
SF-078200-B

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Riddle B #2B

9. API Well No.  
30-045-29824

10. Field and Pool  
Blanco Mesaverde

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 - Spud, casing, & cement

13. Describe Proposed or Completed Operations

8-1-99 MIRU. Spud well @ 2:30 pm 8-1-99. Drill to 245'. Circ hole clean.  
TOOH. TIH w/5 jts 9-5/8" 32.3# WC-50 ST&C csg, set @ 237'.

8-2-99 Cmted w/175 sx Class "B" neat cmt w/3% calcium chloride, 0.25 pps  
Flocele (207 cu.ft.). Circ 16 bbl cmt to surface. WOC. NU BOP.  
PT BOP & csg to 600 psi/30 min, OK. Drilling ahead.

APD ROW RELATED

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

Signed [Signature] Title Regulatory Administrator Date 8/3/99  
TLW

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

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 representations as to any matter within its jurisdiction.

NMOC

RECEIVED  
PLM  
070 FARMINGTON, NM  
1999 AUG -1, PM 1:28  
ACCEPTED FOR RECORD  
AUG 16 1999  
FARMINGTON FIELD OFFICE  
BY [Signature]