

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 NM-03358 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	7. Unit Agreement Name 23785 Northeast Blanco Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87401 (505) 326-9700	8. Farm or Lease Name Northeast Blanco Unit 9. Well Number 311
4. Location of Well 1450' FNL, 790' FWL Latitude 36° 54.2 Longitude 107° 31.7	10. Field, Pool, Wildcat Blanco MV/Basin Dk 11. Sec., Twn, Rge, Mer. (NMPM) E Sec 13, T-31-N, R-7-W API # 30-045-29860
14. Distance in Miles from Nearest Town 6 miles to Allison	12. County SJ 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 790'	17. Acres Assigned to Well 320 W/2
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1400'	
19. Proposed Depth 8083'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6498' 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: <u>[Signature]</u> Regulatory/Compliance Administrator	10/5/98 Date

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

APPROVAL DATE

MAR 1 1999

APPROVED BY /s/ Duane W. Spencer

TITLE Team Lead, Petroleum Management

DATE MAR - 2 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.

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NMOC

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

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

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

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

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

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

1000127 FMD:03 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-29860		*Pool Code 71599/72319	*Pool Name Basin Dakota/Blanco Mesaverde
*Property Code 23785	*Property Name NORTHEAST BLANCO UNIT		*Well Number 311
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6498'

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
E	13	31N	7W		1450	NORTH	790	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 DK:W/320 MV:W/320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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>16</p> <p>5276.04'</p> <p>1450'</p> <p>790'</p> <p>NM-03358</p> <p>13</p> <p>5280.00'</p> <p>5274.72'</p>		<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></p> <p>Signature</p> <p>Peggy Bradfield</p> <p>Printed Name</p> <p>Regulatory Administrator</p> <p>Title</p> <p>10/5/98</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>AUGUST 27, 1998</p> <p>Date of Survey</p> <p></p> <p>Signature and Seal of Professional Surveyor</p> <p></p> <p>6857</p> <p>Certificate Number</p>		

**OPERATIONS PLAN**

**Well Name:** Northeast Blanco Unit #311  
**Location:** 1450' FNL, 790' FWL Sec 13, T-31-N, R-7-W  
San Juan County, NM  
Latitude 36° 54.2, Longitude 107° 31.7  
**Formation:** Blanco Mesa Verde/Basin Dakota  
**Elevation:** 6498' 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	2378'	
Ojo Alamo	2378'	2498'	aquifer
Kirtland	2498'	2964'	
Fruitland	2964'	3305'	gas
Pictured Cliffs	3305'	3537'	gas
Lewis	3537'	4213'	gas
<b>Intermediate TD</b>	<b>3637'</b>		
Mesa Verde	4213'	4615'	gas
Chacra	4615'	5396'	
Massive Cliff House	5396'	5434'	gas
Menefee	5434'	5708'	gas
Massive Point Lookout	5706'	6034'	gas
Mancos	6034'	7033'	
Gallup	7033'	7778'	gas
Greenhorn	7778'	7829'	gas
Graneros	7829'	7963'	
Dakota	7963'		gas
<b>TD (5 1/2" liner)</b>	<b>8083'</b>		

**Logging Program:**

Cased hole - CBL - TD to 200' above TOC, GR/CNL across MV/Dk

**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
200-3637'	LSND	8.4-9.0	30-60	no control
3637-8083'	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>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3637'	7"	20.0#	J-55
6 1/4"	3537' - 8083'	5 1/2"	15.5#	K-55 flushjoint

A variance is requested from Onshore Order #2, III, B. The casing collar clearance in the 5 1/2" flushjoint/6 1/4" hole will be 0.375", a 0.047" variance.

**Tubing Program:**

0' - 8083'      2 3/8"      4.70# EUE

BURLINGTON RESOURCES OIL & GAS COMPANY NORTHEAST BLANCO UNIT #311

1450' FNL & 790' FWL, SECTION 13, T31N, RTW, N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

1500' NEW BLM CONSTRUCTION  
700' SE/NE SECTION 14, T31N, RTW.  
800' SW/NE SECTION 13, T31N, RTW.

