

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-078423 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 San Juan 29-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87409 (505) 326-9700	8. Farm or Lease Name San Juan 29-7 Unit 9. Well Number 48B
4. Location of Well 1575' FSL, 2625' FEL Latitude 36° 44.2, Longitude 107° 35.6	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 8, T-29-N, R-7-W API # 30-039-26138
14. Distance in Miles from Nearest Town 1 mile from Navajo City	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 1575'	13. State NM
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 1600'	
19. Proposed Depth 5579'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6230' 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	<u>3-9-99</u> Date

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY WAYNE TOWNSEND TITLE Rt. Eng. DATE 7-9-99

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.

NMOC

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

99 MAR 15 PM 1:28 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-		*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 7465	*Property Name SAN JUAN 29-7 UNIT		*Well Number 488
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6230'

<sup>10</sup> Surface Location

UL or lot no. J	Section 8	Township 29N	Range 7W	Lot Idn	Feet from the 1575	North/South line SOUTH	Feet from the 2625	East/West line EAST	County RIO ARriba
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<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/320		<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>		5281.32'		<sup>17</sup> OPERATOR CERTIFICATION	
5280.00'		8		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
				Signature <i>Peggy Bradfield</i>	
				Printed Name Peggy Bradfield	
				Title Regulatory Administrator	
				Date 3-9-99	
				<sup>18</sup> 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.	
				OCTOBER 1, 1998	
				Date of Survey	
				Signature and Seal of Professional Surveyor	
				NEALE C. EDWARDS NEW MEXICO 6857	
				Certification Number	
				6857	
				Professional Surveyor	

## OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #48B  
Surface Location: 1575' FNL, 2625' FEL, Section 8, T-29-N, R-7-W  
Rio Arriba County, New Mexico  
Latitude 36° 44.2, Longitude 107° 35.6

Formation: Blanco Mesa Verde  
Elevation: 6230' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2048'	aquifer
Ojo Alamo	2048'	2202'	aquifer
Kirtland	2202'	2616'	gas
<b>Intermediate TD</b>	<b>2302'</b>		
Fruitland	2616'	3027'	gas
Pictured Cliffs	3027'	3189'	gas
Lewis	3189'	3751'	gas
Mesa Verde	3751'	3986'	gas
Chacra	3986'	4753'	gas
Massive Cliff House	4753'	4843'	gas
Menefee	4843'	5179'	gas
Point Lookout	5179'		gas
<b>Total Depth</b>	<b>5579'</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- 200'	Spud	8.4-9.0	40-50	no control
200- 2302'	LSND	8.4-9.0	30-60	no control
2302- 5579'	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' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2302'	7"	20.0#	J-55
6 1/4"	2202' - 5579'	4 1/2"	10.5#	J-55

Tubing Program: 0' - 5579' 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.

1575 FSL & 2625' FEL, SECTION 8, T29N, R7W, N.M.P.M.  
RIO ARRIEA COUNTY, NEW MEXICO

1600' NEW BLM CONSTRUCTION  
500' NW/SW SECTION 8, T29N, R7W  
1000' NE/SW SECTION 8, T29N, R7W  
100' NW/SE SECTION 8, T29N, R7W.

