

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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1a. Type of Work DRILL	5. Lease Number NM-0607 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON RESOURCES</b> 14538 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 6804 Atlantic C 9. Well Number 4C	
4. Location of Well 1385' FSL, 445' FWL  Latitude 36° 51.1, Longitude 107° 55.9	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde 11. Sec., Twn, Rge, Mer. (NMPM) L Sec 31, T-31-N, R-10-W API # 30-045-29532	
14. Distance in Miles from Nearest Town 3 miles to Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 445'	17. Acres Assigned to Well 317.3 W/2	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 500'	20. Rotary or Cable Tools Rotary
19. Proposed Depth 5310 This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	22. Approx. Date Work will Start 10-21-97	
21. Elevations (DF, FT, GR, Etc.) 6039' GR	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Reggie Brannard</u> Regulatory/Compliance Administrator	Date	

PERMIT NO. \_\_\_\_\_ APPROVAL DATE FEB 02 1998 FEB 04 1998  
APPROVED BY AS/ Dwayne W. Spencer TITLE \_\_\_\_\_ DATE FEB - 4 1998

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 - NOS submitted 10-16-97

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

State of New Mexico  
 Energy, Minerals & Natural Resources Department

Form C  
 Revised February 21,  
 Instructions on  
 Submit to Appropriate District 0  
 State Lease - 4 Cc  
 Fee Lease - 3 Cc

District II  
 PO Drawer 00, Artesia, NM 88211-0719

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

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

07-11-25 PM 2:20  AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-24532		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 6804		5 Property Name ATLANTIC C			6 Well Number 4C
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			9 Elevation 6039'

10 Surface Location

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	31	31N	10W		1385	South	445	West	SAN JUAN

11 Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres W/317.30	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

17 OPERATOR CERTIFICATION

I hereby certify that the information contained here is true and complete to the best of my knowledge and belief.

*Peggy Bradfield*  
 Signature

Peggy Bradfield  
 Printed Name

Regulatory Administrator  
 Title

10-21-97  
 Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 3, 1997  
 Date of Survey

*Neale C. Edwards*  
 Signature and Seal

6857  
 Certificate Number

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FEB - 9, 1996

OIL CON. DIV.

DIST. 3

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## OPERATIONS PLAN

**Well Name:** Atlantic C #4C  
**Location:** 1385' FSL, 445' FWL Section 31, T-31-N, R-10-W  
Rio Arriba County, New Mexico  
Latitude 36° 51.1, Longitude 107° 55.9  
**Formation:** Blanco Mesa Verde  
**Elevation:** 6039' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1330'	aquifer
Ojo Alamo	1330'	2222'	aquifer
Fruitland	2222'	2682'	
Pictured Cliffs	2682'	2837'	gas
Lewis	2837'	3392'	gas
<b>Intermediate TD</b>	<b>2937'</b>		
Mesa Verde	3392'	3462'	gas
Chacra	3462'	4274'	
Massive Cliff House	4274'	4482'	gas
Menefee	4482'	4910'	gas
Massive Point Lookout	4910'		gas
<b>Total Depth</b>	<b>5310'</b>		

### Logging Program:

Cased hole logging - Gamma Ray Neutron  
Coring/DST - 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
200-2937'	LSND	8.4-9.0	30-60	no control
2937-5310'	Gas/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>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' - 2937'	7"	20.0#	J-55
6 1/4"	2837' - 5310'	4 1/2"	10.5#	J-55

### Tubing Program:

0' - 5310'      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.

**BURLINGTON  
RESOURCES**  
Atlantic C #4C  
T31N, R10W

450' BLM New Construction

T31N, R10W

Section 31: NWSW 450'

APD MAP #1

**NEW BLM  
ROW**

**EXISTING  
R-O-W**



