

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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BLM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

95 OCT 27 PM 1:50

1a. Type of Work DRILL	5. Lease Number NM 080113 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	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Atlantic C 9. Well Number 5B	
4. Location of Well 2130' FSL, 730' FEL Latitude 36° 50.3, Longitude 107° 55.1	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 6, T-30-N, R-10-W API # 30-045-30018	
14. Distance in Miles from Nearest Town 4 miles from Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 730'	17. Acres Assigned to Well 320.60 E/2 321.98	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1600'	
19. Proposed Depth 5439'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6176' 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><i>Jean Cole</i></u> Regulatory/Compliance Administrator	<u>10-2-99</u> Date	

PERMIT NO. _____ APPROVAL DATE DEC 02 1999
APPROVED BY _____ TITLE _____ DATE 12/3/99

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.

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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

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

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

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

99 OCT 27 PM 1:50
AMENDED REPORT
070 FARMINGTON, NM

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-30018		² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 6804	⁵ Property Name ATLANTIC C		⁶ Well Number 5B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		⁹ Elevation 6176'

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
I	6	30N	10W		2130	SOUTH	730	EAST	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 321.98 E/320.60	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

¹⁶ 1284.36' 1314.72' 1314.72' 2629.44' 1246.74'	LOT 11 	LOT 10 	LOT 9 	LOT 8 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Peggy Cole Printed Name Regulatory Administrator Title Date 10-2-99
	LOT 12 	LOT 14 	LOT 15 	1343.76' 1330.56'	
	LOT 19 	LOT 18 	LOT 17 	LOT 16 730' 	
	LOT 20 	LOT 21 	LOT 22 	LOT 23 2130' 2660.46'	
	USA NM-93313 6			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. Date of Survey AUGUST 21, 1999 Signature and Seal of Professional Surveyor Certificate 6857	

OPERATIONS PLAN

Well Name: Atlantic C #5B
Surface Location: 2130' FSL, 730' FEL, Section 6, T-30-N, R-10-W
San Juan County, New Mexico
Latitude 36° 50.3, Longitude 107° 55.1

Formation: Blanco Mesa Verde
Elevation: 6176' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1357'	aquifer
Ojo Alamo	1357'	1513'	aquifer
Kirtland	1513'	2249'	gas
Intermediate TD	1613'		
Fruitland	2249'	2805'	gas
Pictured Cliffs	2805'	2939'	gas
Lewis	2939'	3524'	gas
Mesa Verde	3524'	3845'	gas
Chacra	3845'	4408'	gas
Massive Cliff House	4408'	4605'	gas
Menefee	4605'	5039'	gas
Point Lookout	5039'		gas
Total Depth	5439'		

Logging Program:

Open hole logging - AIT, CNL-CDL, from intermediate casing to TD
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- 80'	Spud	8.4-9.0	40-50	no control
80- 1613'	LSND	8.4-9.0	30-60	no control
1613- 5439'	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' - 80'	9 5/8"	32.3#	H-40
8 3/4"	0' - 1613'	7"	20.0#	J-55
6 1/4"	1513' - 5439'	4 1/2"	10.5#	J-55

Tubing Program: 0' -5439' 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 OIL & GAS COMPANY ATLANTIC C #5B

2130' FSL & 730' FEL, SECTION 6, T30N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

900' NEW BLM CONSTRUCTION
900' NE/SE SECTION 6, T30N, R10W.

