

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

97 FEB -7 PM 1:37

1a. Type of Work
DRILL

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FEB 24 1997

5. Lease Number
SF-078138
Unit Reporting Number

070 FARMINGTON, NM

1b. Type of Well
GAS

OIL CON. DIV.
DIST. 3

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
7017 Fifield
9. Well Number
4A

4. Location of Well
990' FSL, 1460' FWL
Latitude 36° 47.6, Longitude 108° 00.0

10. Field, Pool, Wildcat
72319 Blanco Mesa Verde
11. Sec., Twn, Rge, Mer. (NMPM)
N Sec 21, T-30-N, R-11-W
API # 30-045-2943P

14. Distance in Miles from Nearest Town
1.5 miles to Aztec

12. County
San Juan
13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
990'

16. Acres in Lease

17. Acres Assigned to Well
318.47 W/2

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
600'

19. Proposed Depth
5020'

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.)
5811' 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: Duane W. Spencer
Regulatory/Compliance Administrator

1-15-97
Date

PERMIT NO. _____
APPROVED BY /s/ Duane W. Spencer

APPROVAL DATE

FEB 21 1997

TITLE _____

DATE **FEB 21 1997**

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

OK
E

NMOCD

District I
PO Box 1988, Hobbs, NM 88241-1988
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

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FEB 7 1997

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

070 FARM LITON, NM AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29438		Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 7017	Property Name Fifield		Well Number 4A
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 5811'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
N	21	30-N	11-W		990	South	1460	West	S.J.

11 Bottom Hole Location if Different From Surface

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

12 Dedicated Acres 13 Joint or infill 14 Consolidation Code 15 Order No.

W/318.47

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		5051.64'		17 OPERATOR CERTIFICATION	
FEE		21		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
				Signature Peggy Bradfield	
5297.16		2674.98		Printed Name Regulatory Administrator	
				Title 1-15-97	
1460'		2491.50		Date	
				11/05/96	
990'		5195.52'		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.	
SF-078138		2		Date of Survey	
				11/05/96	
990'		2491.50		Signature and Seal of Professional Surveyor	
				NEALE C. EDWARDS NEW MEXICO 6857	
990'		2491.50		Certificate Number	
				6857	

OPERATIONS PLAN

Well Name: Fifield #4A
Location: 990' FSL, 1460' FWL Section 21, T-30-N, R-11-W
San Juan County, New Mexico
Latitude 36° 47.6, Longitude 108° 0.0
Formation: Blanco Mesa Verde
Elevation: 5811' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	766'	aquifer
Ojo Alamo	766'	861'	aquifer
Kirtland	861'	1859'	
Fruitland	1859'	2154'	gas
Pictured Cliffs	2154'	2336'	gas
Lewis	2336'	2976'	gas
Intermediate TD	2436'		
Chacra	2976'	3751'	gas
Mesa Verde	3751'	3846'	gas
Massive Cliff House	3846'	3894'	gas
Menefee	3894'	4471'	gas
Point Lookout	4471'		gas
Total Depth	5020'		

Logging Program:

Open hole logs:
HRI/GRI/SP TD to surface csg;
Dens-Neut TD to 1825'
CMR/GR TD to 2125'
Mud Logs/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
200-2436'	LSND	8.4-9.0	30-60	no control
2436-5020'	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>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2436'	7"	20.0#	J-55
6 1/4"	2336' - 5020'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 5020' 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.

NATIONAL MONUMENT

Aztec

AZTEC

Hampton

BURLINGTON
RESOURCES
FIFIELD #4A
T30N, R11W

No New Construction
T30N, R11W

Section 21: SESW Existing
Right of Way

APD MAP #1

EXISTING
R-O-W

FEE
LANDS

EXISTING
R-O-W

21

28

29

FIFIELD
#4A

