

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-047017A
Unit Reporting Number

1b. Type of Well
GAS

6. If Indian, All. or Tribe

2. Operator
**BURLINGTON
RESOURCES**
14538

RECEIVED
FEB 24 1998
OIL CON. DIV.
Oil & Gas Company DIST 3

7. Unit Agreement Name

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499
(505) 326-9700

8. Farm or Lease Name
6788 Angel Peak B
9. Well Number
100

4. Location of Well
1545' FSL, 1190' FWL
Latitude 36° 39.6, Longitude 107° 57.6

10. Field, Pool, Wildcat
71629 Basin Ft Coal
11. Sec., Twn, Rge, Mer. (NMPM)
Sec 13, T-28-N, R-11-W
API # 30-045-29534

14. Distance in Miles from Nearest Town
3 miles to Bloomfield

12. County San Juan 13. State NM

15. Distance from Proposed Location to Nearest Property or Lease Line
1190'

16. Acres in Lease

17. Acres Assigned to Well
320 W/2

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease
700'

19. Proposed Depth
2000' 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.)
5839' 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: [Signature]
(Regulatory/Compliance Administrator)

12-31-97
Date

PERMIT NO. _____

APPROVAL DATE

FEB 20 1998

APPROVED BY _____

TITLE Acting Team Lead

DATE 2/20/98

Archaeological Report submitted

Threatened and Endangered Species Report submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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

District II
PO Drawer 00, 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 ()
Revised February 21,
Instructions on
Submit to Appropriate District Office
State Lease - 4 C
Fee Lease - 3 C

90 JUN 23 11:10:20 ☐ AMENDED REP

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29534		Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 6788	Property Name ANGEL PEAK B		Well Number 100
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 5839'

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
L	13	28N	11W		1545	South	1190	West	SAN J

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 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>NMSF-047017A</p> <p>13</p> <p>NMSF-047017B</p>	17 OPERATOR CERTIFICATE I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Peggy Bradfield Printed Name Regulatory Administrator Title 12-31-97 Date
	18 SURVEYOR CERTIFICATE I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made on or under my supervision, and that the same is true and correct to the best of my belief. NOVEMBER 19, 1997 Date of Survey Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 6887 Certificate No. 6887

OPERATIONS PLAN

Well Name: Angel Peak B #100
Location: 1545' FSL, 1190' FWL Section 13, T-28-N, R-11-W
 San Juan County, New Mexico
 Latitude 36° 39.6, Longitude 107° 57.6
Formation: Basin Fruitland Coal
Elevation: 5839' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	732'	
Ojo Alamo	732'	867'	aquifer
Kirtland	867'	1559'	
Fruitland	1559'	1896'	gas
Fruitland Coal	1678'	1859'	gas
Pictured Cliffs	1860'		
Total Depth	2000'		

Logging Program: Hi Res Ind, DNL, Micro/GR 1700-TD

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0 - 120'	Spud	8.4-8.9	40-50	no control
120-2000'	LSND	8.4-9.0	40-60	no control

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0 - 120'	8 5/8"	24.0#	H-40
7 7/8"	0 - 2000'	4 1/2"	10.5#	K-55

Tubing Program:

0 - 2000'	2 3/8"	4.7#	J-55
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Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.
 Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two centralizers run every 3rd joint to the base of the Ojo Alamo @ 867'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 867'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 4 1/2" x 2 3/8" x 11" 2000 psi screw on independent wellhead.

1545' FSL 1190' FWL SEC 13, T28N, R11W
SAN JUAN COUNTY, NEW MEXICO

100' BLM NEW CONSTRUCTION
NE/SW SECTION 13, T28N, R11W

EXISTING
R.O.W.

NEW B.L.M.
R.O.W. -