UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR PERMIT TO DRILL,	DEEPEN, OR PLUG BACK
1a. 1b.	Type of Work DRILL Type of Well GAS Type of Well FEB 2 4 1958	5. Lease Number SF-047017A Unit Reporting Number 6. If Indian, All. or Tribe
2.	Operator O[] CO[] D[] RESOURCES Oil & Gas Collingating 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 (1988 Angel Peak B 9. Well Number 100
4.	Location of Well 1545'FSL, 1190'FWL Latitude 36 ^O 39.6, Longitude 107 ^O 57.6	10. Field, Pool, Wildcat 7/6.29 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 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Property or Lo	ease Line 17. Acres Assigned to Well
16.	Acres in Lease	320 W/2
18.	Distance from Proposed Location to Nearest Well, Drlg, Co	ompl, or Applied for on this Lease
19.	Proposed Dentification is subject to technical and Proposed Dentificational 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 DRILLING OPERATIONS AUTHORIZED ARE
23.	Proposed Casing and Cementing Program See Operations Plan attached	SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24.	Authorized by: State State hard (Regulatory/Compliance Admini	/2 - 31 - 97 strator Date
PERM	IIT NO APPR	OVAL DATEFEB 2 0 1998
APPF	ROVED BY TITLE Offing	Term Lead DATE 2/20/98

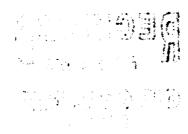
Archaeological Report submitted

Threatened and Endangered Species Report submitted

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

OR

NMOCD



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State of New Mexico Energy, Minerals & Natural Resources Department

Form (
Revised February 21,
Instructions on
Submit to Appropriate District 0

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

OIL CONSERVATION DIVISION

State Lease - 4 C. Fee Lease - 3 C

District III 1000 Rio Brazos Rd., Aztec, NM 87410 PO Box 2088 Santa Fe, NM 87504–2088

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30-045-	PI Number	<i>'</i>	7162			n Fruitlar	nd Coal		
Property			/102	. 9	³Property	Name	ia coar	• 4	(ell Number
6788					ANGEL P	EAK B		100	
OGRID N			*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY				5839 ·		
14538			BURLI						
	Feeter	Township	Range	Lot Idn	10 Surface	LOCATION North/South line	Feet from the	East/West line	Count
UL or lot no.	Section 13	28N	11W	200 221	1545	South	1190	West	SAN
	15		ottom	Hole L	_ocation I	f Different	From Suri	face	
UL or lot no.	Section	Townenzp	Range	Lat Ion	Feet from the	North/South line	Feet from the	East/West line	Coun
Dedicated Acres	;	13 Joint or Ir	fill 14 Cons	olidation Code	¹⁵ Order No.				
/320									ONICOL TO A
NO ALLOW	NABLE W	ILL BE	ASSIGNE	D TO TH	IS COMPLETI	ON UNTIL ALL EEN APPROVED	INTERESTS !	HAVE BEEN U ISION	UNDUL TOP
5280.00'	NMSF	-04701		\mathbf{l}_{1}	PECE N FEB 2 OIL GO: DIS	1VED 1998 100V.	Signature Printed Regul. Title Oo. OBCC In Property Control of the Printed Regul. Title In Printed Regul. Title Oote Is SUR' Control of the Printed Regul. Title	re / Bradfie]	tion contained of which will be seen to the same is the same is the same is the same is the same
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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:

Interval	<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>	Depth Interval	Csq.Size	Wt.	<u>Grade</u>
12 1/ 4" 7 7/8"	0 - 120' 0 - 2000'	8 5/8" 4 1/2"		H-40 K-55
Tubing Program:	0 - 2000'	2 3/8"	4.7#	J-55

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.

