UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED BLM

	APPLICATION FOR PERMIT TO DRILL, I	DEEPEN, OR PLUG BACK 99 OCT 27 PM 3: 4:
1a.	Type of Work DRILL	5. Lease Number SF-080781 Unit Reporting Number (CTON, N)
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 Cain 9. Well Number 102
4.	Location of Well 1925' FSL, 905' FWL Latitude 36° 39.6, Longitude 107° 54.4	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 16, T-28-N, R-10-W API# 30-045-
14.	Distance in Miles from Nearest Town 10 miles from Bloomfield	12. County 13. State San Juan NM
15. 16.	Distance from Proposed Location to Nearest Property or 905' Acres in Lease	17. Acres Assigned to Well 320 W/2
18.	Distance from Proposed Location to Nearest Well, Drlg, C	ompl, or Applied for on this Lease
19.	Proposed Deptisodural 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.) 5822' GR	22. Approx. Date Work will Start DRILLING OPERA窓ONS AUTHORIZED ARE
23.	Proposed Casing and Cementing Program See Operations Plan attached	"GENERAL REQUIREMENTS"
24.	Authorized by: Authorized by: Regulatory/Compliance Adminis	/0-25-99 Date
PERM	MIT NO APPR	OVAL DATE
APP	ROVED 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.

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

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

Form C-102 RECEIV Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

OIL CONSERVATION DIVISION PO Box 2088

Santa Fe. NM 87504-2088

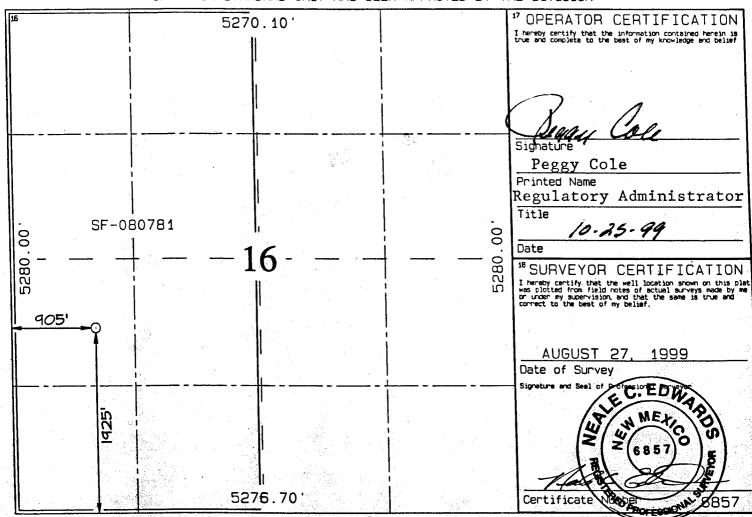
State Lease - 4 Copies
99 CCT 27 PM 3: Fee Lease - 3 Copies

070 FASSING ON, AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	120	716	200	ł _					
		'	71629 Basin Fruitland Coal						
.oue	'Property Code			Property Name				*Well Number	
18487			CAIN					102	
'OGRID No.			*Operator Name					*Elevation	
14538 B			NGTON	RESOURCE	S OIL & GAS	COMPANY		5822	
¹⁰ Surface Location									
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
16	28N	10W		1925	SOUTH	905	WEST	SAN JUAN	
¹¹ Bottom Hole Location If Different From Surface									
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
	Doint or Inf	ill 14 Cons	solidation Code	³⁵ Onder No.				:	
_	Section 16	Section Township 16 28N 11 B(BURLI Section Township Range 16 28N 10W 11 Bottom Section Township Range	BURLINGTON Section Township Range Lot Idn 16 28N 10W 11 Bottom Hole L Section Township Range Lot Idn	BURLINGTON RESOURCE 10 Surface Section Township Range Lot Idn Feet from the 16 28N 10W 1925 11 Bottom Hole Location Section Township Range Lot Idn Feet from the	CAIN *Operator Name BURLINGTON RESOURCES OIL & GAS **TOWNShip Range Lot Idn Feet from the North/South line 16 28N 10W 1925 SOUTH **Township Range Lot Idn Feet from the North/South line 1	CAIN *Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY *Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY **Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY **Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY **Operator Name **Operator	CAIN **Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY **Operator Name **Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY **Opera	

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



OPERATIONS PLAN

Well Name:

Cain #102

Location:

1925' FSL,905' FWL, Section 16, T-28-N, R-10-W

San Juan County, New Mexico

Latitude 36° 39.6, Longitude 107° 54.4

Formation:

Basin Fruitland Coal

Elevation:

5822' GR

Formation:	Тор	Bottom	Contents
Surface Ojo Alamo Kirtland Fruitland Fruitland Coal Pictured Cliffs Total Depth	San Jose 823' 952' 1667' 1908' 1910' 2010 '	823' 952' 1667' 1908' 1910'	aquifer gas gas gas

Logging Program: GR/AIT/Nuet/Dens - TD to surface

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-8.9	40-50	no control
120-2010'	Non-dispersed	8.4-9.5	30-60	no control

Casing Program:

Hole Size	Depth Interval	Csg.Size	Wt.	<u>Grade</u>
8 3/4" 6 1/4"	0 - 120' 0 - 2010'	7" 4 1/2"	20.0# 10.5#	
Tubing Program:	0 - 2010'	2 3/8"	4.7#	J-55

Float Equipment: 7" 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 @ 952'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 952'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: $7" \times 4 \frac{1}{2}" \times 2 \frac{3}{8}" \times 11" 2000$ psi xmas tree assembly.

Cementing:

7" surface casing - cement with 46 sx Class "B" cement with 1/4 pps cellophane and 3% calcium chloride (54 cu ft of slurry, icludes 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi/30 minutes.

