

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 NM-0558144 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company 14538	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Part or Lease Name Trail Canyon 18631 9. Well Number 104
4. Location of Well 1555' FNL, 880' FEL Latitude 36° 58.3, Longitude 107° 40.5	10. Field, Pool, Wildcat Basin Ft Coal 71629 11. Sec., Twn, Rge, Mer. (NMPM) H Sec 21, T-32-N, R-8-W API # 30-045-29658
14. Distance in Miles from Nearest Town 9 miles to Navajo City	12. County SJ 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 880'	17. Acres Assigned to Well 320
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 2700'	
19. Proposed Depth 3600'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6697' 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>[Signature]</u> Regulatory/Compliance Administrator	Date <u>6-19-98</u>

PERMIT NO.

APPROVAL DATE

AUG 21 1998

APPROVED BY

TITLE

DATE

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.

NMOCD

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

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

Form
Revised February 2
Instructions
Submit to Appropriate District
State Lease - 4
Fee Lease - 3

☐ AMENDED RE

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29658	Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 18631	Property Name TRAIL CANYON	Well Number 104
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6697'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	Co.
H	21	32N	8W		1555	NORTH	880	EAST	SAN

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	Co.

12 Dedicated Acres E/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

16	5178.36'	1555'	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 Bradfield Printed Name Regulatory Administrator Title 6-19-98 Date
RECEIVED AUG 25 1998 OIL CON. DIV. DIST. 3	21	880'	
5262.18'	NM-0558144	5295.18'	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys or under my supervision, and that the same is correct to the best of my belief. MAY 27 1998 Date of Survey Signature and Seal of Professional Surveyor NEALE C. EDWARDS 6857 6857 Certificate Number
	5180.34'		

OPERATIONS PLAN

Well Name: Trail Canyon #104
Location: 1555' FNL, 880' FEL Section 21, T-32-N, R-8-W
Latitude 36° 58.3, Longitude 107° 40.5
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 6697' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	2399'	
Ojo Alamo	2399'	2449'	aquifer
Kirtland	2449'	3239'	
Fruitland	3239'	3599'	gas
Fruitland Coal	3379'	3595'	gas
Total Depth	3600'		

Logging Program: Mud logs from 3330' to Total Depth.

Coring Program: 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
200-3330'	Non-dispersed	8.4-9.0	30-60	no control
3330-3600'	Air			

Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3330'	7"	20.0#	K-55
6 1/4"	3230' - 3600'	5 1/2"	15.5#	K-55

Tubing Program:

0' - 3600'	2 3/8"	4.7#	J-55
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Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill float collar. Three centralizers run every fourth joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2449'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - Pre-drilled liner run to the 7" casing with an overlap. Liner hanger is a slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 3/8" x 11" 3000 psi xmas tree assembly.

BURLINGTON RESOURCES OIL & GAS COMPANY TRAIL CANYON #104

1555' FNL & 880' FEL, SECTION 21, T32N, R8W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

