

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-01614 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. Farm or Lease Name 18628 Thompson 9. Well Number 1R
4. Location of Well 1515' FSL, 1785' FWL Latitude 36° 51.2, Longitude 108° 06.4	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde 11. Sec., Twn, Rge, Mer. (NMPM) X Sec 33, T-31-N, R-12-W API # 30-045-29569
14. Distance in Miles from Nearest Town 6 miles to Flora Vista	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1470'	
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 400'	
19. Proposed Depth 4900'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5944' 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>11/24/97</u>

PERMIT NO. _____

APPROVAL DATE

APR 01 1998

APPROVED BY S/ Duane W. Spencer

TITLE _____

DATE APR - 1 1998

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

NMOCD

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29569		Pool Code 72319	Pool Name Blanco Mesaverde	
Property Code 18628	Property Name THOMPSON		Well Number 1R	
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 5944'	

10 Surface Location

UL or lot no. K	Section 33	Township 31N	Range 12W	Lot Idn	Feet from the 1515	North/South line South	Feet from the 1785	East/West line West	County SAN JUAN
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	--------------------

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
Dedicated Acres N/320		Joint or Infill		Consolidation Code		Order No.			

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

		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>Peggy Bradfield</u> Printed Name: <u>Peggy Bradfield</u> Title: <u>Regulatory Administrator</u> Date: <u>11-24-97</u>	
		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. Date of Survey: <u>OCTOBER 14 1997</u> Signature: <u>NEALE C. EDWARDS</u> Professional Surveyor Certificate Number: <u>6857</u>	

OPERATIONS PLAN

Well Name: Thompson #1R
Location: 1515'FSL, 1785'FWL Section 33, T-31-N, R-12-W
Rio Arriba County, New Mexico
Latitude 36° 51.2, Longitude 108° 06.4
Formation: Blanco Mesa Verde
Elevation: 5944'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	572'	aquifer
Ojo Alamo	572'	633'	aquifer
Kirtland	633'	1745'	
Fruitland	1745'	2223'	
Pictured Cliffs	2223'	2410'	gas
Lewis	2410'	2957'	gas
Intermediate TD	2510'		
Huerfanito Bentonite	2957'	3020'	
Chacra	3020'	3793'	
Massive Cliff House	3793'	3938'	gas
Menefee	3938'	4573'	gas
Massive Point Lookout	4573'	4655'	gas
Lower Point Lookout	4655'		
Total Depth	4900'		

Logging Program:

Cased hole logging - Gamma Ray Neutron
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
200-2510'	LSND	8.4-9.0	30-60	no control
2510-4900'	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' - 2510'	7"	20.0#	J-55
6 1/4"	2410' - 4900'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 4900' 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.

