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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

11

98 NOV 23 PM 1:57
070 FARMINGTON, NM

1a. Type of Work DRILL	5. Lease Number SF-078171 Unit Reporting Number
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 Murphy Com 7338 9. Well Number #3A
4. Location of Well 1455' FSL, 1040' FEL Latitude 36° 47.6 , Longitude 107° 56.2	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 24, T-30-N, R-11-W API # 30-045- 24743
14. Distance in Miles from Nearest Town 5 miles to Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1040'	
16. Acres in Lease	17. Acres Assigned to Well S/ 313.24
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 800'	
19. Proposed Depth 5360'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6186' 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	11/14/98 Date

PERMIT NO.

APPROVAL DATE

FEB 17 1999

APPROVED BY /S/ Duane W. Spencer

TITLE/ Echo Hadden
Team Lead, Petroleum Management
Bureau of Land Management

DATE FEB 17 1999

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.

OK (2)

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

District II
PO Drawer 20, Artesia, NM 88211-0719

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

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

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

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-29745		*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 7338		*Property Name MURPHY COM	*Well Number 3A
*OGRIC No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	*Elevation 5186'

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
I	24	30N	11W		1455	SOUTH	1040	EAST	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

¹² Dedicated Acres S/313.24	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				¹⁷ OPERATOR CERTIFICATION			
5207.40'				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.			
4 3 2 1				Signature <i>Peggy Bradford</i>			
2620.20'				Printed Name Peggy Bradford			
11 6 7 8				Title Regulatory Administrator			
24				Date 11/14/98			
NMSF-030113				¹⁸ SURVEYOR CERTIFICATION			
12 11 10 9				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.			
NMSF-078144				JULY 13, 1998			
NMSF-078198				Date of Survey			
13 14 15 16				Signature and Seal of Professional Surveyor			
2610.96'				NEALE C. EDWARDS			
5188.92'				NEW MEXICO			
				6857			
				Certificated Number			

OPERATIONS PLAN

Well Name: Murphy Com #3A
Location: 1455' FSL, 1040' FEL, Sec 24, T-30-N, R-11-W
 San Juan County, NM
 Latitude 36° 47.6, Longitude 107° 56.2
Formation: Blanco Mesa Verde
Elevation: 6186'GR

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1282'	
Ojo Alamo	1282'	1396'	aquifer
Kirtland	1396'	2260'	gas
Fruitland	2260'	2638'	gas
Pictured Cliffs	2638'	2860'	gas
Lewis	2860'	3392'	gas
Intermediate TD	2960'	CEH	
Huerfano Bentonite	3392'	3450'	
Chacra	3450'	4318'	gas
Massive Cliff House	4318'	4448'	salt
Menefee	4448'	4951'	gas
Massive Point Lookout	4951'		gas
TD	5360'		

Logging Program:

AIT/Dens/Temp - TD to ~~Intermediate Casing~~ *Top of Lewis cell*
 GR/Neut - TD to surface

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 320'	Spud	8.4-8.9	40-50	no control
320-5360'	LSND	8.4-9.1	30-60	no control

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 320'	8 5/8"	24.0#	K-55
7 7/8"	0' - 5360'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 5360' 2 3/8" 4.7# J-55 EJE

BOP Specifications, Wellhead and Tests:Surface to 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.

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

1455' FSL & 1040' FEL, SECTION 24, T30N, R11W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

200' NEW BLM CONSTRUCTION
NW/SE SECTION 24, T30N, R11W

