

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 SF-076950 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON RESOURCES</b> 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 7091 Hare 9. Well Number 14m 28A
4. Location of Well 1175' FNL, 1710' FWL Latitude 36° 44.7, Longitude 107° 52.1	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde 11. Sec., Twn, Rge, Mer. (NMPM) Sec 10, T-29-N, R-10-W API # 30-045-29527
14. Distance in Miles from Nearest Town 6 miles to Blanco	12. County SJ 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1175'	17. Acres Assigned to Well 318.64 W/2
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1000'	
19. Proposed Depth 4800'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5772' 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>12/31/97</u>

PERMIT NO. \_\_\_\_\_ APPROVAL DATE FEB 10 1998  
APPROVED BY /s/ Duane W. Spencer TITLE \_\_\_\_\_ DATE FEB 10 1998

Archaeological Report submitted  
Threatened and Endangered Species Report submitted  
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NMOCD

RECEIVED  
JAN 10 1964

U.S. DEPARTMENT OF AGRICULTURE  
WASHINGTON, D.C.

OFFICE OF THE SECRETARY  
U.S. DEPARTMENT OF AGRICULTURE  
WASHINGTON, D.C.

RECEIVED  
JAN 10 1964

U.S. DEPARTMENT OF AGRICULTURE

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 00, Artesia, NM 88211-0719

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

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

99 JUN 23 AM 10:22 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-29527	*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 7091	*Property Name HARE	*Well Number 14M18A
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	*Elevation 5772'

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
C	10	29N	10W		1175	North	1710	West	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 W 8/318.84		13 Joint or Infill		14 Consolidation Code		15 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

2632.08'		2624.82'		17 OPERATOR CERTIFICATION	
4		3		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
1710'		2		Signature <i>Peggy Bradfield</i>	
5		6		Printed Name Peggy Bradfield	
NMSF-076958		7		Regulatory Administrator Title	
10		8		Date 12/30/97	
5220.60'		9		18 SURVEYOR CERTIFICATION	
11		12		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.	
5273.40'		10 RECEIVED FEB 12 1998 OIL CON. DIV. DIST. 3		OCTOBER 21, 1997 Date of Survey	
				Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 6857 6857 Certificate Number	

## OPERATIONS PLAN

**Well Name:** Hare #18A  
**Location:** 1175' FNL, 1710' FWL Section 10, T-29-N, R-10-W  
San Juan County, New Mexico  
Latitude 36° 44.7, Longitude 107° 52.1  
**Formation:** Blanco Mesa Verde  
**Elevation:** 5772' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1023'	aquifer
Ojo Alamo	1023'	1101'	aquifer
Kirtland	1101'	1901'	
Fruitland	1901'	2181'	
Pictured Cliffs	2181'	2352'	gas
Lewis	2352'	2787'	gas
<b>Intermediate TD</b>	<b>2452'</b>		
Huerfanito Bentonite	2787'	2830'	
Chacra	2830'	3822'	
Massive Cliff House	3822'	3935'	gas
Menefee	3935'	4488'	gas
Massive Point Lookout	4488'	4543'	gas
Lower Point Lookout	4543'		
<b>Total Depth</b>	<b>4800'</b>		

### 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
200-2452'	LSND	8.4-9.0	30-60	no control
2452-4800'	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' - 2452'	7"	20.0#	J-55
6 1/4"	2352' - 4800'	4 1/2"	10.5#	J-55

### Tubing Program:

0' - 4800'      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.

**EXISTING ROW**

**NEW BLM ROW**

**BURLINGTON  
RESOURCES**  
Hare #18A  
T29N, R10W  
900' BLM New Construction  
T29N, R10W

Section 10: NENW 300'  
NWNW 600'

**APD MAP #1**

***BURLINGTON  
RESOURCES***  
**Hare #18A  
T29N, R10W**  
**900' BLM New Construction  
T29N, R10W**

**Section 10: NENW 300'  
NWNW 600'**

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