


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-077382 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 Hargrave 7092 9. Well Number 1R
4. Location of Well 850' FSL, 820' FEL  Latitude 36° 36.0, Longitude 107° 53.7	10. Field, Pool, Wildcat Fulcher Kutz Pict'd Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 4, T-27-N, R-10-W APV# 30-045-29767
14. Distance in Miles from Nearest Town 8 miles to Bloomfield	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 820'	17. Acres Assigned to Well 160.00
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 200'	
19. Proposed Depth 2292'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6168' 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:  Regulatory/Compliance Administrator	12-15-98 Date

PERMIT NO. \_\_\_\_\_

APPROVAL DATE

**FEB 16 1999**

APPROVED BY /S/ Duane W. Spencer

TITLE \_\_\_\_\_

DATE **FEB 16 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.

  
NMOCD

District I  
PO Box 1990, 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

Instructions on back  
Submit to Appropriate District Office

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

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

State Lease - 4 Copies  
Fee Lease - 3 Copies

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

52570 21 PM 3:04

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-29767		2 Pool Code 77200		3 Pool Name Fulcher Kutz Pictured Cliffs	
4 Property Code 7092		5 Property Name HARGRAVE			6 Well Number 1R
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			9 Elevation 6168'

10 Surface Location

11 U. or lot no. P	12 Section 4	13 Township 27N	14 Range 10W	15 Lot Idn	16 Feet from the 850	17 North/South line SOUTH	18 Feet from the 820	19 East/West line EAST	20 County SAN JUAN
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11 Bottom Hole Location If Different From Surface

21 U. or lot no.	22 Section	23 Township	24 Range	25 Lot Idn	26 Feet from the	27 North/South line	28 Feet from the	29 East/West line	30 County
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31 12 Dedicated Acres 160	32 13 Joint or Infill	33 14 Consolidation Code	34 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 5280.00'		17 OPERATOR CERTIFICATION	
18 1339.14'		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
19 4		Signature Peggy Bradfield	
20 1320.00'		Printed Name Regulatory Administrator	
21 1320.00'		Title 12-15-98	
22 4		Date	
23 1320.00'		18 SURVEYOR CERTIFICATION	
24 1320.00'		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.	
25 5283.96'		Date of Survey JULY 20, 1998	
26 820'		Signature and Seal of Professional Surveyor	
27 850'		NEALE C. EDWARDS NEW MEXICO 68570	
28 5291.22'		Certificate Number	
29 NMSF-0-77382			

OPERATIONS PLAN

**Well Name:** Hargrave #1R  
**Location:** 850' FSL, 820' FEL, Section 4, T-27-N, R-10-W  
 San Juan County, New Mexico  
 Latitude 36° 36.0, Longitude 107° 53.7  
**Formation:** Fulcher Kutz Pictured Cliffs  
**Elevation:** 6168'GR

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1096'	
Ojo Alamo	1096'	1211'	aquifer
Kirtland	1211'	1830'	
Fruitland	1830'	2092'	gas
Pictured Cliffs	2092'		gas
<b>Total Depth</b>	<b>2292'</b>		

**Logging Program:** Cased hole - GR/CCL

**Mud Program:**

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2292'	Non-dispersed	8.4-9.5	30-60	no control

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

Hole Size	Depth Interval	Csq.Size	Wt.	Grade
8 3/4"	0 - 120'	7"	20.0#	J-55
6 1/4"	0 - 2292'	3 1/2"	9.3#	J-55

**Tubing Program:** - none

**Float Equipment:** 7" surface casing - saw tooth guide shoe.  
 Centralizers will be run in accordance with Onshore Order #2.

3 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 1211'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1211'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

**Wellhead Equipment:** 7" x 3 1/2" x 11" 2000 psi screw on independent wellhead.

BURLINGTON RESOURCES OIL & GAS COMPANY HARGRAVE #1R  
850' FSL & 820' FEL, SECTION 4, T27N, R10W, N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

NO NEW CONSTRUCTION  
SE/SE SECTION 4, T27N, R10W

