

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-077384 Unit Reporting Number 892000713
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	7. Unit Agreement Name Huerfano Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Huerfano Unit 7139 9. Well Number 77R
4. Location of Well 990' FSL, 1595' FEL Latitude 36° 32.5, Longitude 107° 56.0	10. Field, Pool, Wildcat Fulcher Kutz Pict'd Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 30, T-27-N, R-10-W API# 30-045-29826
14. Distance in Miles from Nearest Town 7 miles to Huerfano Trading Post	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 990'	
16. Acres in Lease	17. Acres Assigned to Well 160.00
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 400'	
19. Proposed Depth 1854'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5999' 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: <i>[Signature]</i> Regulatory/Compliance Administrator	Date 2-8-95

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

APPROVAL DATE *FEB 2 1995*

APPROVED BY */s/ Duane W. Spencer*

TITLE *Team Lead, Petroleum Management* 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.

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NMOC

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 DD, Artesia, NM 88211-0719

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

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- <i>29826</i>	*Pool Code 77200	*Pool Name Fulcher Kutz Pictured Cliffs
*Property Code 7139	*Property Name HUERFANO UNIT	*Well Number 77R
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	*Elevation 5999'

<sup>10</sup> Surface Location

U. or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
0	30	27N	10W		990	SOUTH	1595	EAST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres SE/160		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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

<sup>16</sup> 1 2 3 4 5280.00'	5400.12'	5280.00'	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  <i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 12-15-98 Date	
	NMSF-077384		<sup>18</sup> 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.  AUGUST 25, 1998 Date of Survey Signature and Seal of Registered Surveyor  NEALE C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 6887 Certificate Number	
	1595'		990'	
	5408.04'			

OPERATIONS PLAN

**Well Name:** Huerfano Unit #77R  
**Location:** 990' FSL, 1595' FEL, Section 30, T-27-N, R-10-W  
 San Juan County, New Mexico  
 Latitude 36° 32.5, Longitude 107° 56.0  
**Formation:** Fulcher Kutz Pictured Cliffs  
**Elevation:** 5999'GR

Formation:	Top	Bottom	Contents
Surface	Nacimiento	626'	
Ojo Alamo	626'	728'	aquifer
Kirtland	728'	1450'	
Fruitland	1450'	1654'	gas
Pictured Cliffs	1654'		gas
Total Depth	1854'		

**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
120-1854'	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 - 1854'	3 1/2"	9.3#	J-55

**Tubing Program:**

0 - 1854'	1 1/2"	2.4#	IJ
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**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 @ 728'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 728'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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

990' FSL & 1595' FEL, SECTION 30, T27N, R10W, N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

500' NEW BLM CONSTRUCTION  
100' NW/SE SECTION 30, T27N, R10W  
400' SW/SE SECTION 30, T27N, R10W.

