

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-078388 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 Huerfanito Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Huerfanito Unit 9. Well Number 66R
4. Location of Well 1835' FNL, 790' FEL Latitude 36° 30.3, Longitude 107° 44.1	10. Field, Pool, Wildcat Ballard Pictured Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 12, T-26-N, R-9-W APR # 30-045-27701
14. Distance in Miles from Nearest Town 36 miles to Bloomfield	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 790'	
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 500'	
19. Proposed Depth 2070'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6173' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>William B. Shalvick</u> Regulatory/Compliance Administrator
	Date <u>3-24-99</u>

PERMIT NO. _____

APPROVAL DATE APR 2 1999

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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WCCB

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045 29901	² Pool Code 71439	³ Pool Name Ballard Pictured Cliffs
⁴ Property Code 7138	⁵ Property Name HUERFANITO UNIT	⁶ Well Number # 66R
⁷ OGBRD No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6173

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
H	12	26 N	9 W		1835	NORTH	790	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

¹ 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 N/160	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

<div>16</div> <div>RECEIVED APR 23 1999 OIL CON. DIV. DIST. 3</div> <div>5209'(R)</div> <div>5209'(R)</div> <div>5209'(R)</div>	<div>5209'(R)</div> <div>1835'</div> <div>790'</div> <div>NMSF - 078388</div> <div>12</div> <div>5209'(R)</div>	<div>17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <div>Signature Peggy Bradfield Printed Name Regulatory Administrator Title 3-24-99 Date</div></div> <div>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. October 13, 1998 Date of Survey Signature and Seal of Professional Surveyor <div>NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 7016</div><div>7016 Certificate Number</div></div>
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OPERATIONS PLAN

Well Name: Huerfanito Unit #66R
Location: 1835' FNL, 790' FEL, Section 12, T-26-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 30.3, Longitude 107° 44.1
Formation: Ballard Pictured Cliffs
Elevation: 6173'GR

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1085'	aquifer
Ojo Alamo	1085'	1207'	
Kirtland	1207'	1612'	
Fruitland	1612'	1870'	gas
Pictured Cliffs	1870'		gas
Total Depth	2070'		

Logging Program: SP, Hi-Res Ind & Caliper - TD to surface casing
 Bulk Density & Density / Neutron - TD to top of Kirtland

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud	8.4-9.0	40-50	no control
120-2070'	Non-dispersed	8.4-9.5	30-60	no control

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

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq.Size</u>	<u>Wt.</u>	<u>Grade</u>
8 3/4"	0 - 120'	7"	20.0#	J-55
6 1/4"	0 - 2070'	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 @ 1207'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1207'. 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.

