

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
NM-01051-01366
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
Huerfano Unit

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87498
(505) 326-9700

8. Farm or Lease Name
Huerfano Unit

9. Well Number
12R

4. Location of Well
1140' FSL, 1610' FWL
Latitude 36° 30.8, Longitude 107° 54.3

10. Field, Pool, Wildcat
West Kutz Pictured Cliffs

11. Sec., Twn, Rge, Mer. (NMPM)
Sec. 4, T-26-N, R-10-W
API # 30-045-29891

14. Distance in Miles from Nearest Town
20 miles to Bloomfield

12. County
San Juan

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
1140'

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
600'

19. Proposed Depth
2448'

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6684' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: [Signature]
Regulatory/Compliance Administrator

Date 3-24-99

PERMIT NO.

APPROVAL DATE

APR 15 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.

NMOC

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

99 MAR 29 PM 1:30 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-29891	² Pool Code 79680	³ Pool Name West Kutz Pictured Cliffs
⁴ Property Code 7139	⁵ Property Name HUERFANO UNIT	⁶ Well Number # 12R
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6684

¹⁰ Surface Location

UL or Lot No. N	Section 4	Township 26 N	Range 10 W	Lot Idn	Feet from the 1140	North/South line SOUTH	Feet from the 1610	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

¹ UL or lot no.	² Section	³ Township	⁴ Range	⁵ Lot Idn	⁶ Feet from the	⁷ North/South line	⁸ Feet from the	⁹ East/West line	¹⁰ County
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¹² Dedicated Acres 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

¹⁶ 1335'(R) Lot 4	¹⁷ 1335'(R) Lot 3	¹⁸ 1335'(R) Lot 2	¹⁹ 1312'(R) Lot 1	²⁰ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Peggy Bradfield Printed Name Regulatory Administrator Title Date 3-24-99
²¹ 1323'(R) NMNM - 01051	²² 1323'(R) 4	²³ 1323'(R) RECEIVED APR 19 1999 OIL CON. DIV.	²⁴ 1323'(R) 2647'(R)	²⁵ 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 7016 Certificate Number
²⁶ 1647'(R) 1610'	²⁷ 1140'	²⁸ 5273'(R)	²⁹ 5280'(R)	

OPERATIONS PLAN

Well Name: Huerfano Unit #12R
Location: 1140' FSL, 1610' FWL, Section 4, T-26-N, R-10-W
 San Juan County, New Mexico
 Latitude 36° 30.8, Longitude 107° 54.3
Formation: West Kutz Pictured Cliffs
Elevation: 6684'GR

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1273'	aquifer
Ojo Alamo	1273'	1403'	
Kirtland	1403'	1953'	
Fruitland	1953'	2248'	gas
Pictured Cliffs	2248'		gas
Total Depth	2448'		

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
120-2448'	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 - 2448'	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 @ 1403'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1403'. 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.

