

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

11

1a. Type of Work
DRILL

5. Lease Number
NM-04226
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

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499
(505) 326-9700

8. Farm or Lease Name
McManus 7309

9. Well Number
11R

4. Location of Well
795' FNL, 1655' FEL
Latitude 36° 27.9 , Longitude 107° 43.1

10. Field, Pool, Wildcat
Ballard Pictured Cliffs

11. Sec., Twn, Rge, Mer. (NMPM)
Sec. 30, T-26-N, R-8-W
API # 30-045-29723

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
795'

16. Acres in Lease

17. Acres Assigned to Well
160.00

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
500'

19. Proposed Depth
2194'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6325' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

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

11-3-98
Date

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

PERMIT NO. _____

APPROVAL DATE

JAN 06 1999

APPROVED BY /s/ Duane W. Spencer

TITLE _____

DATE JAN - 6 1998

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.

OK @
NMOCD

District II
PO Drawer 00, Artesia, NM 88211-0719

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT, NM

*API Number 30-045- 29723	*Pool Code 71439	*Pool Name Ballard Pictured Cliffs
*Property Code 7309	*Property Name MCMANUS	*Well Number 11R
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	*Elevation 6325'

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
B	30	26N	8W		795	NORTH	1655	EAST	SAN JUAN

¹¹Bottom 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
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¹² Dedicated Acres NE/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

The figure is a survey plat showing a well location. The plat is divided into four quadrants by a horizontal and vertical dashed line. The dimensions of the plat are as follows:

- Top-left quadrant: 1414.38' (width), 2636.70' (height)
- Top-right quadrant: 2628.12' (width), 795' (height)
- Bottom-left quadrant: 1288.98' (width), 2628.78' (height)
- Bottom-right quadrant: 1295.58' (width), 5307.72' (height)

The well location is marked with a point in the top-right quadrant, with dimensions of 1655' (width) and 795' (height) from the top-right corner. The well is identified by the number 30. The survey is dated AUGUST 10, 1998. The surveyor is NEALE C. EDWARDS, a Professional Surveyor in New Mexico, with license number 8887. The plat is signed and sealed by the surveyor. There is a stamp in the top-left quadrant that reads "RECEIVED IN JAN - 8 1998 OIL CON. DIV. DIST. 3". The plat is also marked with the number 1655' and 795'.

November 3, 1998

OPERATIONS PLAN

Well Name: McManus #11R
Location: 795' FNL, 1655' FEL, Section 30, T-26-N, R-8-W
 San Juan County, New Mexico
 Latitude 36° 27.9', Longitude 107° 43.1'
Formation: Ballard Pictured Cliffs
Elevation: 6325'GR

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1231'	
Ojo Alamo	1231'	1321'	aquifer
Kirtland	1321'	1767'	
Fruitland	1767'	1994'	gas
Pictured Cliffs	1994'		gas
Total Depth		2194'	

Logging Program: SP - Hi Res Ind from TD to Surface Casing
 Bulk Den & Den/Neut from 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
120-2194'	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 - 2194'	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 @ 1321'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1321'. 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.

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