

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-078987
Unit Reporting Number

1b. Type of Well
GAS

6. Indian, All. or Tribe

2. Operator
BURLINGTON RESOURCES Oil & Gas Company

7. Unit Agreement Name
Canyon Largo Unit

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

8. Farm or Lease Name
Canyon Largo Unit

9. Well Number
82R

4. Location of Well
1460' FSL, 1805' FEL
Latitude 36° 21.2, Longitude 107° 33.6

10. Field, Pool, Wildcat
Ballard Pictured Cliffs

11. Sec., Twn, Rge, Mer. (NMPM)
J Sec. 34, T-25-N, R-7-W
API # 30-039-26215

14. Distance in Miles from Nearest Town
7 miles from Lybrook

12. County
Rio Arriba

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
1460'

16. Acres in Lease

17. Acres Assigned to Well
160

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease
1900'

19. Proposed Depth
2740'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6959' 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 7-30-99

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY [Signature]

TITLE [Signature]

DATE SEP

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26215	² Pool Code 71439	³ Pool Name Ballard Pictured Cliffs
⁴ Property Code 6886	⁵ Property Name CANYON LARGO UNIT	⁶ Well Number 82R
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6959

¹⁰ Surface Location

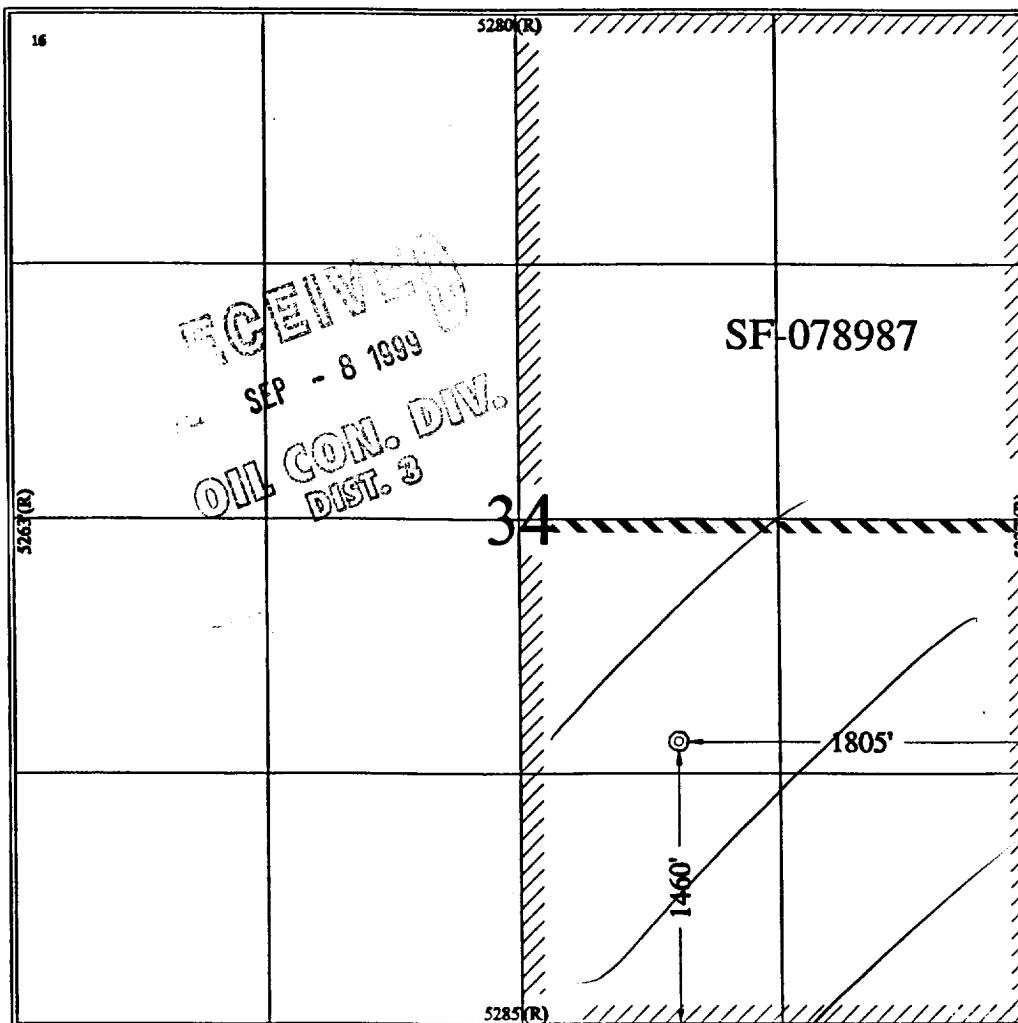
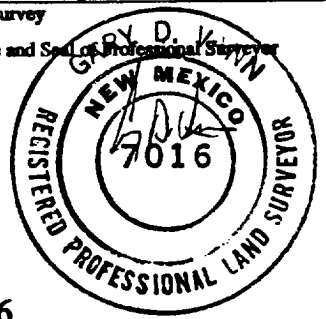
UL or Lot No. J	Section 34	Township 25 N	Range 7 W	Lot Idn	Feet from the 1460	North/South line SOUTH	Feet from the 1805	East/West line EAST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

¹ UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. 160 acres for density purposes for the Pict.Cliff 320 acres for Revenue purposes for the Pict.Cliff
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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

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 7-30-99 Date</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>May 18, 1999 Date of Survey Signature and Seal of Professional Surveyor  7016 Certificate Number</p>

(R) - GLO Record

OPERATIONS PLAN

Well Name: Canyon Largo Unit #82R
Location: 1460' FSL, 1805' FEL, Section 34, T-25-N, R-7-W
Rio Arriba County, New Mexico
Latitude 36° 21.2, Longitude 107° 33.6
Formation: Ballard Pictured Cliffs
Elevation: 6959' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1898'	
Ojo Alamo	1898'	2027'	aquifer
Kirtland	2027'	2292'	gas
Fruitland	2292'	2540'	gas
Pictured Cliffs	2540'		gas
Total Depth	2740'		

Logging Program: 2027' to TD - GR-TDT-CCL

Coring Program: None

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2740'	FW	8.4-9.0	32-45	no control

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
7 7/8"	0 - 120'	5 1/2"	15.5#	J-55
4 3/4"	0 - 2740'	2 7/8"	6.4#	J-55

Float Equipment: 5 1/2" surface casing - saw tooth guide shoe.
Centralizers will be run in accordance with Onshore Order #2.

2 7/8" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 2027'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2027'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7 7/8" x 2 7/8" 2000 psi screw on independent wellhead.

Cementing:

5 1/2" surface casing - cement with 53 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (62 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

2 7/8" production casing - Lead w/138 sx Class "B" w/3% sodium metasilicate, 1/4 pps cellophane and 5 pps gilsonite. Tail w/50 sx 50/50 Class "B" Poz w/2% gel, 1/4 pps cellophane, 5 pps gilsonite and 2% calcium chloride (470 cu.ft. of slurry, 120% excess to circulate to surface). WOC 8 hrs. If cement does not circulate to surface, a CBL will be run during completion to determine TOC.

**BURLINGTON
RESOURCES**

**CANYON LARGO UNIT 82R
SE¼ Section 34
T25N, R7W, NMPM**

**50' New BLM Road Construction
NW¼, SE¼, Sec. 34
T25N, R7W**

APD MAP # 1

**EXISTING
ROADS**

NEW ROAD

CANYON

