

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-047039
Unit Reporting Number

1b. Type of Well
GAS

6. Indian, All. or Tribe

2. Operator
BURLINGTON RESOURCES Oil & Gas Company

Unit Agreement Name

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

8. Farm or Lease Name
Lachman

9. Well Number
2R

4. Location of Well
1850' FNL, 790' FWL
Latitude 36° 39.9, Longitude 107° 56.6

10. Field, Pool, Wildcat
Fulcher Kutz Pict. Cliffs

11. Sec., Twn, Rge, Mer. (NMPM)
Sec. 18, T-28-N, R-10-W
API # 30-045-30042

14. Distance in Miles from Nearest Town
5 miles from 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
163.96

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease
1500'

19. Proposed Depth
2081'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
5810' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Perry Cole
Regulatory/Compliance Administrator

Date 11-08-99

PERMIT NO. _____ APPROVAL DATE FEB - 8

APPROVED BY /s/ Charlie Beecham TITLE _____ 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.

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980

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

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

NOV 10 PM 1:17

☐ AMENDED REPORT

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- <i>30042</i>		*Pool Code 77200	*Pool Name Fulcher Kuta <i>Pictured Cliffs</i>
*Property Code 7236	*Property Name LACHMAN		*Well Number 2R
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 5810'

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
E	18	28N	10W		1850	NORTH	790	WEST	SAN JUAN

¹¹ Bottom 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
¹² Dedicated Acres NW/163.96		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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

<p>¹⁶</p> <p>USA SF-047039</p>	<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 Cole</i> Signature Peggy Cole Printed Name Regulatory Administrator Title 11-8-99 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>AUGUST 27, 1999 Date of Survey</p>
	<p>Signature and Seal of Neale C. Edwards, Surveyor <i>Neale C. Edwards</i> Certificate Number 6857</p>
	<p>NEALE C. EDWARDS NEW MEXICO 6857 REGISTERED SURVEYOR</p>

OPERATIONS PLAN

Well Name: Lachman #2R
Location: 1850' FNL, 790' FWL, Section 18, T-28-N, R-10-W
San Juan County, New Mexico
Latitude 36° 39.9, Longitude 107° 56.6
Formation: Fulcher Kutz Pictured Cliffs
Elevation: 5810' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	737'	
Ojo Alamo	737'	879'	aquifer
Kirtland	879'	1397'	gas
Fruitland	1397'	1881'	gas
Pictured Cliffs	1881'		gas
Total Depth	2081'		

Logging Program: ~~None~~ Csd. hole GR/CCL

Coring Program: None

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2081'	FW	8.4-9.0	32-45	no control

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
8 3/4"	0 - 120'	7"	20#	J-55
6 1/4"	0 - 2081'	3 1/2"	9.3#	J-55

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. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 879'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 879'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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

Cementing:

7" surface casing - cement with 46 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (54 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

3 1/2" production casing - Lead w/206 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 (669 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.

APD MAP #1

400' NEW BLM CONSTRUCTION
SW/NW SECTION 18, T28N, R10W.

