

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-078715 Unit Reporting Number
1b. Type of Well GAS	6. Indian, All. or Tribe
2. Operator <b>BURLINGTON RESOURCES</b> 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 Lackey Hubbell 9. Well Number #2R
4. Location of Well 1650' FNL, 1635' FEL Latitude 36° 38.1, Longitude 107° 54.9	10. Field, Pool, Wildcat Fulcher Kutz PC 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 29, T-28-N, R-10-W API # 30-045-30260
14. Distance in Miles from Nearest Town 4 mi from Bloomfield	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1635'	17. Acres Assigned to Well 160 NE/4
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 400'	
19. Proposed Depth 2276' ✓	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6097' ✓ GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>James C. Case</u> Regulatory/Compliance Administrator
	Date <u>1-26-00</u>

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY /s/ Jim Lovato

TITLE \_\_\_\_\_

DATE AUG 29 2000

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.

NMCD

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

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

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

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

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-30260		*Pool Code 77200	*Pool Name Fulcher Kutz Pictured Cliffs
*Property Code 18567	*Property Name LACKEY HUBBELL		*Well Number 2R
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6097'

<sup>10</sup> Surface Location


UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County
G	29	28N	10W		1650	NORTH	1635	EAST	SAN JUAN

<sup>11</sup>Bottom Hole Location If Different From Surface

U.L. 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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<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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>15</div>	<div>5285.28'</div> <div>1650'</div> <div>NMSF-077084</div>	<div>17 OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</div> <div><i>Peggy Cole</i></div>
<div>5280.00'</div>	<div>29</div> <div>NMSF-078715</div> <div>1635'</div> <div>NMSF-065546</div> <div>5280.00'</div>	<div>Signature</div> <div>Peggy Bradfield</div> <div>Printed Name</div> <div>Regulatory Administrator</div> <div>Title</div> <div>1-26 CC</div> <div>Date</div>
<div>5276.04'</div>		<div>18 SURVEYOR CERTIFICATION</div> <div>I hereby certify that the well location shown on this map was plotted from field notes of actual surveys made by or under my supervision and that the same is true and correct to the best of my belief.</div> <div>AUGUST 20, 1998</div> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor</div> <div></div> <div>Certificate Number</div>

### OPERATIONS PLAN

**Well Name:** Lackey Hubbell #2R  
**Location:** 1650' FNL, 1635' FEL Section 29, T-28-N, R-10-W  
San Juan County, New Mexico  
Latitude 36° 38.1, Longitude 107° 54.9  
**Formation:** Fulcher Kutz Pictured Cliffs  
**Elevation:** 6097' GL

<b>Formation:</b>	<b>Top</b>	<b>Bottom</b>	<b>Contents</b>
Surface	San Jose	1096'	
Ojo Alamo	1096'	1163'	aquifer
Kirtland	1163'	1831'	gas
Fruitland	1831'	2076'	gas
Pictured Cliffs	2076'		gas
Total Depth	2276'		

**Logging Program:** none

**Coring Program:** none

**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
120-2276'	LSND	8.4-9.0	40-60	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>
7 7/8"	0 - 120'	5 1/2"	15.5#	J-55
4 3/4"	0 - 2276'	2 7/8"	6.4#	J-55

**Tubing Program:** none

**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 @ 1163'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1163'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

**Wellhead Equipment:** 5 1/2" x 2 7/8" 2000 psi screw on independent wellhead.

**Lackey Hubbell #2R**

**Cementing:**

5 1/2" surface casing - cement with 53 sx Class "B" cement with 10 pps gilsonite, 1/2# flocele/sx and 2% calcium chloride (63 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/100 sx Class "B" w/3% sodium metasilicate, 1/2 pps cellophane and 10 pps gilsonite. Tail w/50 sx 50/50 Class "B" Poz w/2% gel, 1/2 pps cellophane, and 10 pps gilsonite (355 cu.ft. of slurry, 100% 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.

**BOP and tests:**

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 2000 psi/15 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated to least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

**Additional information:**

- \* The Pictured Cliffs formation will be completed.
- \* Anticipated pore pressure for the Pictured Cliffs is 600 psi.
- \* This gas is dedicated.
- \* The northeast quarter of the section is dedicated to the Pictured Cliffs.

Steve Capwell  
Drilling Engineer

11/27/2000  
Date

BURLINGTON RESOURCES OIL & GAS COMPANY LACKEY HUBBEL #2R

1650' FNL & 1635' FEL, SECTION 29, T28N, R10W, N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

200' NEW BLM CONSTRUCTION  
SWNE SECTION 29, T28N, R10W.

