

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON**

RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1695' FNL, 1820' FWL, Sec.14, T-29-N, R-12-W, NMPM

5. Lease Number  
NMSF-065557A

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Cornell #4R

9. API Well No.  
30-045-30844

10. Field and Pool  
Fulcher Kutz- Pict Cliffs

11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☒ Altering Casing

☐ Other -

☒ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to change the approved casing and cementing procedure for the subject well. Attached is a new operations plan.

14. I hereby certify that the foregoing is true and correct.

Signed Reggie Cole Title Regulatory Supervisor Date 5/29/03  
no

(This space for Federal or State Office use)

APPROVED BY Chip Harraden Title \_\_\_\_\_ Date JUN - 5 2003

CONDITION OF APPROVAL, if any:

NMOCD

## OPERATIONS PLAN

**Well Name:** Cornell #4R  
**Location:** 1695' FNL, 1820' FWL, Section 14, T-29-N, R-12-W  
San Juan County, New Mexico  
Latitude 36° 43.7', Longitude 108° 04.2'  
**Formation:** Fulcher Kutz Pictured Cliffs  
**Elevation:** 5655' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	389'	
Ojo Alamo	389'	518'	aquifer
Kirtland	518'	1437'	gas
Fruitland Coal	1437'	1722'	gas
Pictured Cliffs	1722'		gas
Total Depth		1947'	

**Logging Program:** cased hole - CBL-CCL-GR TD to surface

**Coring Program:** None

**Mud Program:**

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-1947'	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"	20.0#	J-55
6 1/4"	0 - 1947'	4 1/2"	10.5#	J-55

**Tubing Program:**

0' -1947'	2 3/8"	4.7#	J-55
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**Float Equipment:** 7" surface casing - saw tooth guide shoe.  
Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Standard centralizers run every other joint above shoe to the base of the Ojo Alamo @ 518'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 518'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

**Wellhead Equipment:** 7" x 4 1/2" x 2 3/8" 2000 psi screw on independent wellhead.

**Cementing:**

7" surface casing - cement with 26 sx Type I, II cement with 20% fly ash (41 cu.ft. of slurry to bring cement to surface) or equivalent. Wait on cement for 24 hours for pre-set holes or 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Test casing to 600 psi for 30 minutes.

4 1/2" production casing - Lead w/126 sx Premium Lite cement w/3% calcium chloride, 0.25 pps Flocele, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sx Type III cement w/1% calcium chloride, 0.25 pps Flocele, and 0.2% fluid loss (392 cu.ft. of slurry, 100% excess to circulate to surface).

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

**BOP and tests:**

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

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

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

Pipe rams will be actuated at 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 500 psi.
- \* This gas is dedicated.
- \* The northwest quarter of Section 14 is dedicated to the Pictured Cliffs.

  
Drilling Engineer

5-29-03  
Date