submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-078880

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**
Canyon Largo Unit

2. **Name of Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY

RECEIVED
OCT 5 1998
OIL CON. DIV.
DIST. 3

8. **Well Name & Number**
Canyon Largo U#431

9. **API Well No.**
30-039-25386

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

4. **Location of Well, Footage, Sec., T, R, M**
1475'FNL 1340'FEL, Sec.14, T-25-N, R-7-W, NMPM

10. **Field and Pool**
Basin Dakota

11. **County and State**
Rio Arriba Co, NM

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

Type of Submission	Type of Action		
_X_ Notice of Intent	___ Abandonment	___ Change of Plans	
	___ Recompletion	___ New Construction	
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing	
	___ Casing Repair	___ Water Shut off	
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection	
	_X_ Other - payadd		

13. **Describe Proposed or Completed Operations**

It is intended to add pay to the Dakota formation of the subject well according to the attached procedure and wellbore diagram.

070 FARMINGTON NM 98 SEP 23 PM 12 53

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

Signed Peggy Bradfield (SD) Title Regulatory Administrator Date 9/22/98

TLW

(This space for Federal or State Office use)
APPROVED BY /S/ Duane W. Spencer Title _____ Date OCT - 1 1998
CONDITION OF APPROVAL, if any:

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 representations as to any matter within its jurisdiction.

NMOCD

Canyon Largo Unit #431
Workover Procedure
Burlington Resources
Basin Dakota
Location: Unit G, Sec. 14, T25N, R7W, Rio Arriba County, NM
Lat: 36° 24.17724 min. Long: 107° 32.32638 min.

- ❑ Comply with all BLM, NMOCD, & BR rules & regulations.
- ❑ Conduct daily safety meetings.
- ❑ Place fire and safety equipment in strategic locations.
- ❑ 7000' of 2-7/8" 6.4# N-80 frac string needed for extreme overbalanced perforating.
- ❑ 2-bbl of condensate from the overflow tank on location will be used during perforating.

Summary

The CLU 431 was drilled and completed during 1994. Currently it produces from both the Upper Dakota (UDK) and the Lower Dakota (LDK). The LDK was perforated underbalanced in 2% KCL from 6883' to 6888' (5' of a possible 25' of reservoir). The UDK was perforated limited entry from 6635' to 6815' and fractured with a 35# Xlink. A perf efficiency/after frac log shows that all of this wells production is coming from the LDK and the UDK fracture treatment was contained. Well test analysis shows the presence of a positive skin in the LDK and examination of the rate time plot supports that analysis. This skin is most likely poor communication with the reservoir or perforation limited or both. We intend to add fifteen feet of perforations to the LDK using extreme overbalanced perforating. Studies show this completion technique will produce lower skin values than underbalanced perforating. We will also be adding a plunger lift to this well to aid in lifting the condensate it produces if it is necessary. **Core studies performed during the past year have revealed the lower Dakota does not respond well to water exposure. We believe this phenomenon could be contributing to underperformance in several lower Dakota completions which look good on logs and gave indications of producibility during their initial completions, but have not performed well since. For this reason we do not want this well exposed to water.**

1. MOL. Hold safety meeting.

2. RU slickline unit. SI master valve. ND bullplug on flowtee. RU full lubricator and test to 1500-psi. Open master valve. RIH w/ slickline and set tubing choke in 1.81" ID F-Nipple @ 6797'. SI master valve. RD lubricator. RD slickline unit.

3. Inspect location and test rig anchors. Prepare blowpit. RU workover unit. ND wellhead. NU BOP, flow tee, and stripping head. Test operation of BOP and rams. NU blooie line and 2-7/8" relief line. Lay flow line to pit and stake down.

4. Flow well through casing valve and blow well through blooie line to pit. Strip 2-3/8" tubing out of hole and lay down. Visually inspect tubing for scale buildup. Send any tubing with scale builup to yard. **Record a pitot test.**

5. RU slickline unit. RIH w/ 4-3/4" gauge ring to PBTD. Report results to Production Engineer. RD slickline unit.

6. If gauge ring did not make it past 6900' PU and TIH w/ watermelon mill and 2-7/8" tubing. Clean out to 6900'. TOOH.

7. Have Halliburton bring to location a 3-3/8" tubing conveyed perforating gun loaded with 32-gm RDX charges at 60° phasing and 6 SPF (Av. perf diameter - 0.45", Av. pen. – 22.32").

8. TIH with 3-3/8" gun, firing head/production valve, 5-1/2" packer, F-Nipple, 6-ft. pup joint w/ radioactive tag, and 2-7/8" tubing. The 6-ft. pup joint will be used to ensure proper correlation for actual perforation interval.

9. RU wireline. Run GR-CCL log through 2-7/8" tubing. Correlate perf interval and tubing placement using the pup joint. RD wireline.

10. Set packer at ~6833' to perforate LDK at 6873 - 6893' (6 SPF, 120 holes total). Packer setting depth may change based on results of GR-CCL log.

11. RU Halliburton. Hold tailgate safety meeting. Pressure test surface lines to 9000-psi. Load tubing with 2-bbl of condensate (~350') from overflow condensate tank on location. If you are not sure which tank to draw from contact Randy Smith (Cell: 320-2611 Pager: 324-7085). Pump nitrogen down 2-7/8" tubing until surface pressure reaches 8000-psi. 8000-psi will trigger the firing head and open the automatic production valve. Shut down. RD Halliburton.

12. Flow well back immediately. Once well has cleaned up **record pitot test.**

13. RU slickline unit. RIH and set tubing choke in F-Nipple ~6830'. RD slickline unit.

14. Strip 2-7/8" tubing and extreme overbalanced perforating system out of hole. If rates and/or pressures are too high to strip contact Production Engineer for options.

14. **Do not kill well to land tubing.** PU and strip tubing in hole w/ a pump out plug, one jnt. 2-3/8", F-Nipple, and remaining 2-3/8" tubing. Broach while RIH. Land at 6893'. **Record pitot test.**

15. ND BOP, NU WH. Test seals on tubing head. Pump out plug w/ condensate and air - not water.

16. Flow well up tubing to ensure plug pumped out.

17. RD, release rig to next location.

Recommended: A. Dobson 9/17/98
Engineering Analyst

Approved: [signature] 9-17-98
Team Leader

Approved: _____
Drilling Superintendent

Recommended Vendors:

Cased Hole	Halliburton	324-3500
Stimulation	Halliburton	324-3500
Production Engineering	Scott Dobson	326-9813 : Work 326-8036 : Pager 564-3244 : Home
Reservoir Engineering	Craig McCracken	326-9706 : Work 327-7172 : Home

Canyon Largo Unit #431
Unit G, Sec. 14, T25N, R7W
Rio Arriba County, NM