

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

RECEIVED

2003 OCT -6 PM 1:51

070 Farmington, NM

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON**

RESOURCES OIL &amp; GAS COMPANY LP

3. Address &amp; Phone No. of Operator

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

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

1096' FSL, 860' FWL, Sec. 4, T-27-N, R-4-W, NMPM

5. Lease Number

NMSF-080668

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

San Juan 27-4 Unit

8. Well Name &amp; Number

San Juan 27-4 U #18

9. API Well No.

30-039-07171

10. Field and Pool

Blanco Mesaverde

11. County and State

Rio Arriba 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 repair the casing in the subject well according to the attached procedure and wellbore diagram.

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

Signed Nancy Olthmans Title Senior Staff Specialist

Date 10/6/03

(This space for Federal or State Office use)

APPROVED BY /s/ Jim Lovato

Title \_\_\_\_\_

Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

NOV 17 2003

NOV 17 2003

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

**SAN JUAN 27-4 UNIT #18****Mesaverde AIN: 5207701****Unit M, Section 04, T27N, R04W****1096' FSL & 860' FWL****Latitude -- N36° 35.88' Longitude -- W107° 15.684'****9/29/2003 Casing Repair Procedure****Summary/Recommendation:**

The San Juan 27-4 Unit #18 Mesaverde well was drilled and completed in 1958. A casing leak was detected in 1981 at 3591'. It was squeezed and pressure tested successfully. In 1996, casing leak was detected at 3127'-3327'. It was squeezed and pressure tested to 500 psi unsuccessfully and was re-squeezed from 3000'-3347'. After being tested to 500 psi, 100 psi bled off in 15 minutes. Approval was given to run in with a production packer. In July 1996, a Model 'R3' packer was run in the hole & tested. After being tested to 500 psi, 20 psi bled off in 15 minutes. We recommend setting a plug above the Mesaverde interval to test the integrity of the casing. The casing will be tested back to surface and remediated if necessary.

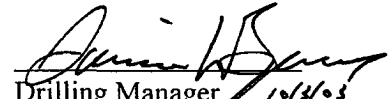
1. Comply with all BLM, and BROG regulations. Conduct daily safety meetings for all personnel on location. **Notify BROG Regulatory (Nancy Oltmanns 326-9891) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document the approval in DIMS.** Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.
2. MOL and RU workover rig. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCl water if necessary. NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. Test secondary seal and replace/install as necessary.
3. The tubing is 2-3/8", 4.7#, J-55 set at 6311', and a Baker Model 'R3' packer is set at 4197'. Packer is a straight-pull release packer. Release donut; pick up additional joints of tubing and tag bottom (record depth.) PBTD should be at +/- 6365'. TOOH and stand back tubing. Visually inspect tubing for corrosion or scale and replace any bad joints -- notify Implementation Engineer/Senior Rig Supervisor.
4. TIH with CIBP and packer. Set CIBP at 5779' (50' above Mesaverde perforations - 5829-6362'). Pressure test CIBP to 500psi. Pressure test casing back to surface isolating bad intervals. Notify Implementation Engineer/Senior Rig Supervisor of casing hole severity. At this time we will determine the best method of remediation. WOC overnight after squeeze work. (TOC IS ESTIMATED AT 4150' from CBL run 04/1996. POSSIBLE WATER SOURCE IS THE OJO ALAMO (previous squeezes 3000'-3591')).
5. TIH with 4-3/4" bit and bit sub on 2-3/8" tubing. Drill out cement and pressure test to 500 psi for 30min. Record leak-off if any. If pressure test holds TIH to CIBP at 5779' -- mill out CIBP. Clean out to PBTD (6365') with air/mist. PU above the perforations and flow the well naturally, making short trips for clean up when necessary. TOOH with tubing and lay down bit. **NOTE: When using air/mist, minimum mist rate is 12 bph; try to maintain an air rate at 1,400 cfm.**
6. Make up production tubing with an expendable check, seating nipple, 1 jt 2-3/8", a 2' x 2-3/8" sub and 1/2 of the 2-3/8" production string. Run a broach on sand line to ensure that the tubing is clear. TIH with remaining tubing, broach remaining tubing. Replace any bad joints. **Land tubing at**

approximately 6310' and pump off expendable check. Connect to casing and circulate air to assure that the expendable check has pumped off. ND BOP and NU WH. Obtain pitot gauge up the tubing. If well will not flow on its own, make swab run to SN. **During cleanout operations the reservoir may be charged with air. As a result of excess oxygen levels that may be in the reservoir and/or wellbore, contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production.** RD and MOL. Return well to production.

Recommended:


  
Engineering Tech  
Darla Acosta

Approved:

  
Drilling Manager 1/13/03

Sundry Required: YES NO

Approved:

  
Regulatory  
Nancy Oltmanns

*Sundry needed*

Implementation:	Jay Paul McWilliams	324-6146 (Office)	
Lease Operator:	Mike McKinney	320-2533 (Cell)	326-8365 (Pager)
Specialist:	Richard Lopez	320-9539 (Cell)	326-8681 (Pager)
Foreman:	Ward Arnold	326-9846 (Office)	320-1689 (Cell)

DLA

**SJ 27-4 #18**  
1096 S, 860' W  
M - 04 - 27N - 04W  
Rio Arriba, NM

**LAT: 36 DEG 35.88**

**LONG: 107 DEG 15.684**

**GL = 7,167'**

**KB= 7,175'**

**Current/Proposed Wellbore**

**Surface Casing:**

10-3/4" 32.75# Armco SW  
Cement: 150 sx TOC @ Surf  
Set @ 176'

**Intermediate Casing:**

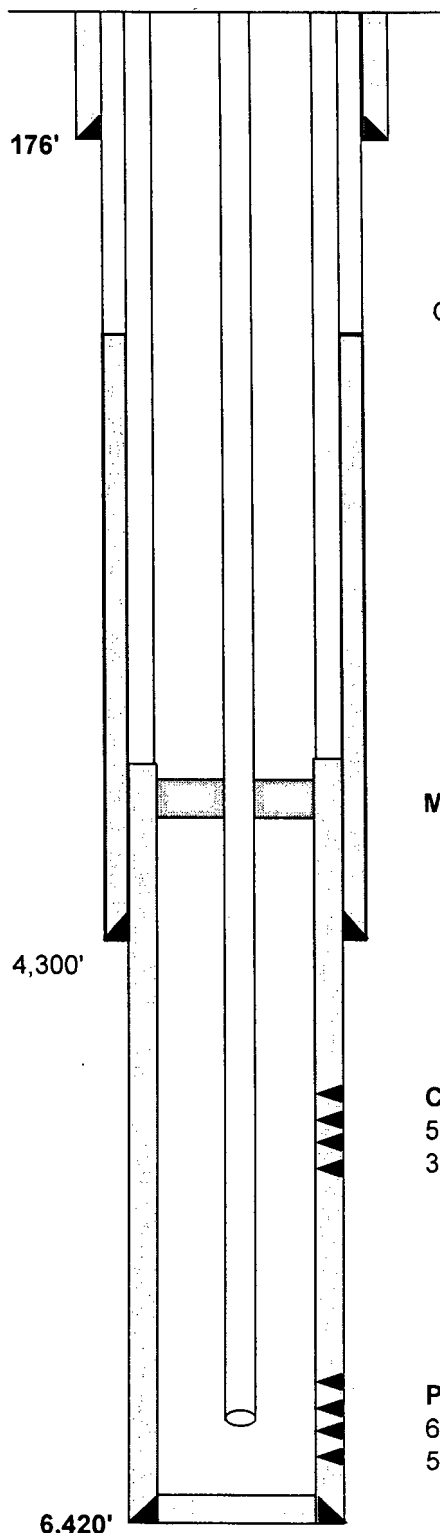
7-5/8" 26.4# J-55  
Cement: 200 sx TOC @ 3860 TS  
Set @ 4,300'

**Tubing:**

2-3/8" 4.7# J-55  
Set @ 6311  
SN @ ?

**Production Liner:**

5-1/2" 15.5# J-55  
Cement: 300 sx TOC @ 4150 CBL  
Set @ 4,173' to 6,420'



Ojo Alamo 3,570'  
Kirtland 3,672'  
Fruitland Coal 3,845'  
Pictured Cliffs 4,050'  
Lewis  
Huer Bent  
Navajo City  
Otero  
Otero Second Bench  
Upper Cliff House 5,828'  
Massive Cliff House  
Menefee 5,890'  
Point Lookout 6,193'  
Mancos

**Model 'R3' packer @ 4197'.**

**Cliff House/Menefee:**

5829 - 6106'  
339 bbl slick wtr, 112,000# 20/40 sd

**Point Lookout:**

6206 - 6362'  
57,000 gal wtr, 54,000# sd

**PBTD= 6,365'**  
**TD= 6,420'**