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87505

State of New Mexico  
Energy, Minerals and Natural Resources  
  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
March 4, 2004

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-31932
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator <b>Burlington Resources Oil &amp; Gas Company LP</b>		6. State Oil & Gas Lease No.
3. Address of Operator <b>P.O. Box 4289, Farmington, NM 87499-4289</b>		7. Lease Name or Unit Agreement Name <b>Randleman</b>
4. Well Location Unit Letter <u>C</u> : <u>725'</u> feet from the <u>North</u> line and <u>2390'</u> feet from the <u>West</u> line Section <u>13</u> Township <u>31N</u> Range <u>11W</u> NMPM San Juan County		8. Well Number <b>#1B</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 14538
		10. Pool name or Wildcat Dakota / Mesaverde

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: <u>Plug back</u> <input checked="" type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See the attached procedure we will be using to plug and abandon the subject well. Currently the replacement well (Randleman #1N) is scheduled to be drilled by Paterson Rig 747 with an anticipated spud date of March 29, 2007. After this well has been plugged back COPC wishes to keep this well in the TA status for uphole potential (FC completion). Also attached are the current and proposed wellbore schematics.

*notify OCD 24 hr min before operations begin*

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Patsy Clugston TITLE Sr. Regulatory Specialist DATE 11/29/06

Type or print name Patsy Clugston E-mail address: pclugston@br-inc.com Telephone No. 505-326-9518

(This space for State use)

APPROVED BY H. Villanueva TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE NOV 29 2006  
Conditions of approval, if any:

*✓ Karen - This has been imaged*

*in open hole pump volume + 100% excess.  
Cased Hole Regum 100 ft plug plus 50'*

## **DIRECTIONS TO LOCATION:**

From the Intersection of Hwy 516 and CR 2900 take CR 2900 NE for 7.5 miles. Turn left W for 0.2 miles, Turn left S for 0.1 miles, Stay left at fork S for 0.1 miles, turn right SW for 0.2 miles, turn right W for 0.2 miles, turn right W for 0.1 miles to new location access.

## **PROJECT OBJECTIVE:**

The **Randleman #1B** was **2004 Dakota/Mesaverde** completion well, the well intersect a massive natural fracture during drilling operations which caused the gas to flow in a rate of **5-6MMCFD**, the drilling was halted at **6910'**, an attempt was made to land **4 1/2"** casing with **ECP** to isolate the **DK** and **MV** formations, the **ECP** became stuck and set prematurely due to high gas velocity. The **4 1/2"** casing was set at **4124'**. A Production tubing, was landed and got stuck at **6653'** where is the open hole section. An unsuccessful clean out operations were performed due to the down hole bridge and the production never returned to the initial prolific rates.

Another bridge appeared further when the new directional well known **Randleman #1R** was planned to be drilled within the same wellpad of the existing well, the plan was to have the new well come close to previous one and intersect as low as **6830'**. The drilling operations of **Randleman #1R** failed due to the premature intersect with the previous **Randleman #1B** at **4175'**, the intersection of the two wells caused penetration or drilling through the production tubing at the **Randleman #1B** and possible parted leaving the tubing in the open hole section. The idea now is to recover the tubing from the open hole section of the **Randleman #1B** if possible and plan to P&A the open hole section once the **OCD** will approve the upcoming operations.

## **WELLBORE PREPARATION:**

### **1. Deliver to location the following equipment:**

1.	7200' 2-3/8", 4.7# J-55 EUE tubing.
2.	3-3/4" bit/mill and bit sub.
3.	Six 3-1/8" drill collars.
4.	One (1) rig tank filled with 2% KCl.

2. Hold pre-job meeting prior to any operational changes and/or new day's activities with rig supervisor and wireline company to review procedure.
3. MIRU completion rig. Comply with all BR, BLM, NMOCD rules and regulations. Record tubing and casing pressures. RU blow lines from casing valves and begin blowing down casing pressure.
4. Kill tubing pressure with 2% KCL. **ND wellhead assembly**, and **NU BOP**. Change pipe rams and handling tools to 2-3/8". **RU blooie line from BOP**. Repair or replace any leaking or damaged valves on wellhead.
5. Kill annulus by pumping down casing valve with **2% KCL** and prepare to strip out tubing hanger. Back out jam nuts and remove tubing hanger. Latch on tubing and attempt to pull the entire string. Visually

Burlington Resources  
Randleman # 1B  
Completion Procedure

inspect tubing string. **LD tubing string and stage on location, out of the way.** Report condition of tubing on Wellview report and type of scale, if any.

6. As necessary, evaluate options to make wellbore suitable for plugging back to Fruitland coal formation.
7. Plug back will be done according to the following procedure assuming a depth of 5300' can be feasibly reached.

**PLUG BACK AND T&A PROCEDURE:**

8. **Plug #1 Dakota/Gallup tops 6910'-6120'**: Establish injection rate down 2 3/8" tubing and through perforated tubing jt on bottom. Pump 359 cu ft cement and displace with wiper plug to F-nipple at 6627'. RD cementing company. *282'*
9. **Plug #2 Mancos top 5159'-5059'**: Using tubing release tool, pump spacer and balance 34 cu ft cement across the Mancos. Release from fiberglass sub and TOO H with tubing. WOC for four hours and TIH to tag cement plug. Pump additional cement as necessary to get cement top to 5059'.
10. **Plug #3 Mesaverde top/Casing shoe 4189'-4074'**: Using tubing release tool, pump spacer and spot a 31 cu ft balanced cement plug across the Mesaverde top and the 4 1/2" casing shoe. Release from fiberglass sub and TOO H with tubing WOC for a minimum of four hours and TIH to tag cement plug. Pump additional cement as necessary to get cement top to 4074'.
11. Load the hole and pressure test the casing to 500 psi.
12. **Plug #4 Chacra top 3659'-3559'**: TIH with 2 3/8" tubing and spot a 13 cu ft balanced cement plug across the Chacra top. If casing tested, proceed with step 15 below. If casing did not test, WOC for four hours and tag cement plug. Pump additional cement as necessary to get cement top to 3559' and then begin leak isolation.
13. Call OCD to schedule witnessing of the pressure test.
14. MIRU. Cameron Company.
15. Ensure wellbore is full. Pressure test casing to 500 psi for 30 minutes. Document with chart using:  
*Recorder with*  
Max spring - 1000#  
~~Max spring - 1000#~~  
Max clock - 2 hours
16. Bleed off pressure and leave well temporarily abandoned.
17. Ensure the OCD representative takes the chart with them back to Aztec office.
18. RDMO completion rig. Well to be completed to Fruitland at later date.
19. *file Sunday Notice Re: TA STATUS & GIVE test DETAILS.*

**Randleman #1B**  
 725 FNL , 2390 FWL  
 Unit C, Section 13, T31N, R11W  
 San Juan County, NM  
 LAT: 36 Deg. 54.22 Min.  
 GL = 5,862'

LONG: 107 Deg. 56.54 Min.  
 KB= 5,874'

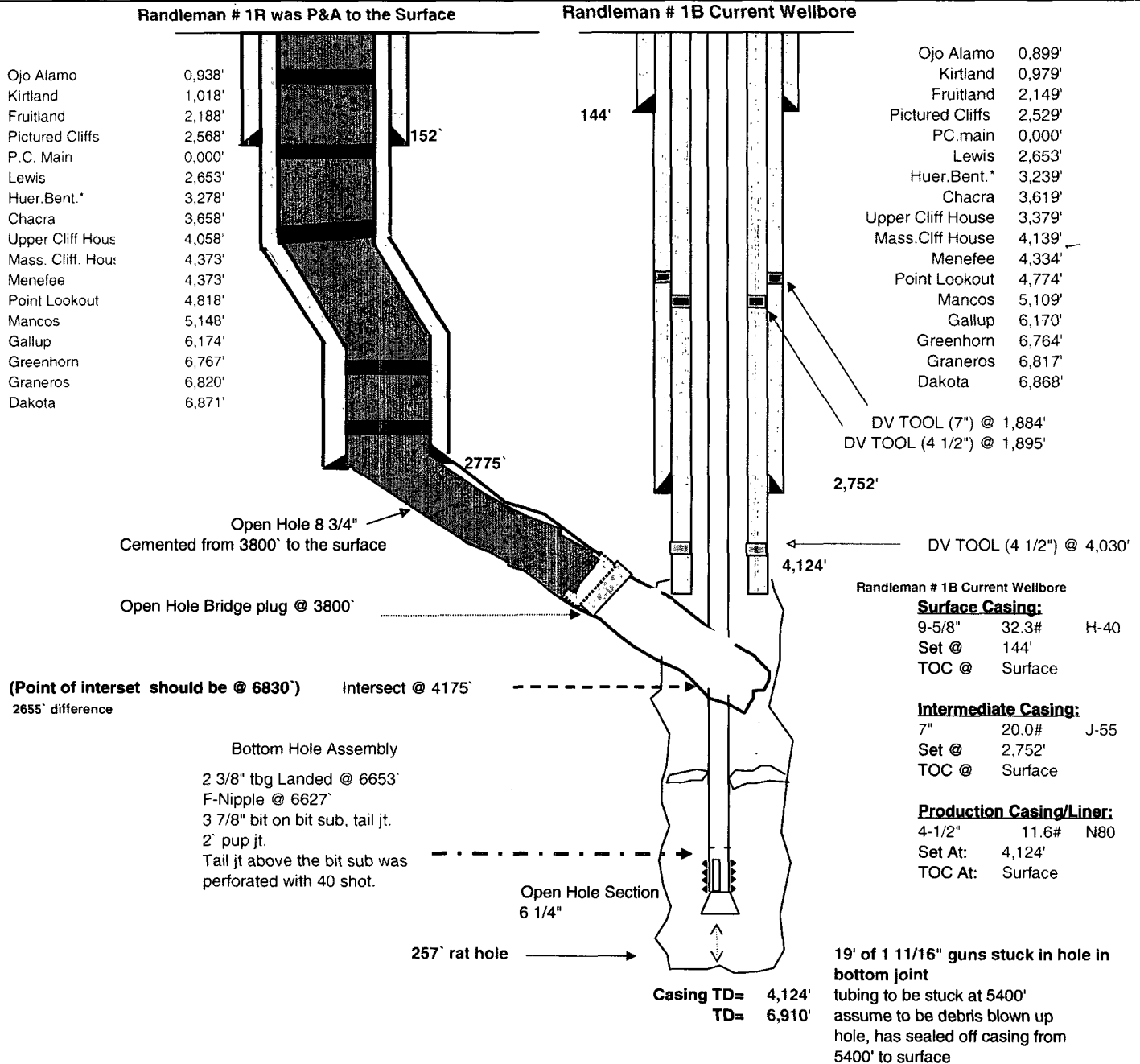


Figure 1

# Randleman #1B

725 FNL , 2390 FWL  
Unit C, Section 13, T31N, R11W  
San Juan County, NM

LAT: 36 Deg. 54.22 Min.

LONG: 107 Deg. 56.54 Min.

GL = 5,862'

KB= 5,874'

## Proposed Wellbore

### Surface Casing:

9-5/8" 32.3#  
Set @ 144'  
TOC @ Surface

### Intermediate Casing:

7" 20.0# J-55  
Set @ 2,752'  
TOC @ Surface

DV TOOL (7") @ 1,884'  
DV TOOL (4 1/2") @ 1,895'

### Tubing String:

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

### Production Casing/Liner:

4-1/2" 11.6# N80  
Set At: 4,124'  
TOC At: Surface

### Bottom Hole Assembly

2 3/8" tbg Landed @ 6653'  
F-Nipple @ 6627'  
3 7/8" bit on bit sub, tail jt.  
2' pup jt.  
Tail jt above the bit sub was  
perforated with 40 shot.

Open Hole Section  
6 1/4"

Casing TD= 4,124'  
TD= 6,910'

Ojo Alamo	0,899'
Kirtland	0,979'
Fruitland	2,149'
Pictured Cliffs	2,529'
PC.main	0,000'
Huer.Bent.*	3,239'
Chacra	3,619'
Upper Cliff House	3,379'
Mass.Cliff House	4,139'
Menefee	4,334'
Point Lookout	4,774'
Mancos	5,109'
Gallup	6,170'
Greenhorn	6,764'
Graneros	6,817'
Dakota	6,868'

Plug #4 Chacra: 3659'-3559'  
Cemented with 13 cu ft of cement

Plug #3 MV/4.5" shoe: 4189'-4074'  
Cemented with 31 cu ft of cement

Plug #2 Mancos: 5159'-5059'  
Cemented with 34 cu ft of cement

Tubing cut at +/- 5300'

Plug #1 DK/Gallup: 6910'-6120'  
Cemented with 359 cu ft of cement and  
wiper plug displaced to F-nipple at 6627'