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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 06 2008

Bureau of Land Management  
Farmington Field Office

Sundry Notices and Reports on Wells

- |  |  |
|--|--|
| <p>1. Type of Well<br/>GAS</p> <p>2. Name of Operator<br/><b>BURLINGTON</b><br/>RESOURCES OIL &amp; GAS COMPANY LP</p> <p>3. Address &amp; Phone No. of Operator<br/>PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. Location of Well, Footage, Sec., T, R, M<br/>Unit H (SENE), 2290' FNL &amp; 170' FEL, Section 20, T27N, R04W, NMPM</p> | <p>5. Lease Number<br/>SF-080669</p> <p>6. If Indian, All. or<br/>Tribe Name</p> <p>7. Unit Agreement Name<br/>San Juan 27-4 Unit</p> <p>8. Well Name &amp; Number<br/>San Juan 27-4 Unit 47P</p> <p>9. API Well No.<br/>30-039-29838</p> <p>10. Field and Pool<br/>Basin Dakota<br/>Blanco Mesaverde</p> <p>11. County and State<br/>Rio Arriba Co., NM</p> |
|--|--|

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

Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection

☒ Other - MIT, Water Isolation

13. Describe Proposed or Completed Operations

Burlington Resources wishes to perform a MIT on the casing and isolate water production per the attached procedures. BLM and OCD will be notified if a squeeze job is required.

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOC FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOC PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

RCVD AUG 11 '08  
OIL CONS. DIV.  
DIST. 3

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

Signed Tamra Sessions Title Staff Regulatory Technician Date 8/04/2008

(This space for Federal or State Office use)  
APPROVED BY Petr. Eng Title Petr. Eng Date 8/8/08  
CONDITION OF APPROVAL, if any:

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

NMOC

**ConocoPhillips  
San Juan 27-4#47P  
Water shut off and MIT**

Lat 36° 33' 35" N Long 107° 15' 54" W

**Prepared By:** Juan Alvarez

**Date:** 7 / 2 /08

**Production Engineering Peer review/approved By:** Kassadie Gastgeb

**Date:** 7 / 2 /08

**Scope of work:** Pull tubing, perform casing MIT perform flow test to isolate water production, rerun tubing, swab well into production.

**Est. Rig Days:** 6

**WELL DATA:**

**API:** 3003929838

**Location** 2290'FNL, 0170' FEL. Unit H, Section 20, T27N, R04W

**PBTD:** 8,125' TD: 8,152'

**Perforations:** 5228-5560'; 5640-6151' (MV); 7846-8024' (DK)

<b><u>Casing:</u></b>	<b><u>OD</u></b>	<b><u>Wt., Grade</u></b>	<b><u>Connection</u></b>	<b><u>ID/Drift (in)</u></b>	<b><u>Depth</u></b>
	9-5/8"	32.3#, H-40	ST&C	9.001/8.845	233'
	7"	20.0#, J-55	-	6.456/6.331	3,889'
<b><u>Liner:</u></b>	4-1/2"	11.6#, J-55	-	4.950/4.825	0' - 8,142'
<b><u>Tubing:</u></b>	2-3/8"	4.70#, J-55	EUE	1.995/1.901	7943'
<b><u>S.Nipple:</u></b>	2-3/8"	4.70#, J-55	-	1.780/	7944'
<b><u>Expen check:</u></b>	2-3/8"	4.70#, j-55	-	1.710/	7945'

**Well History/ Justification:** This well was spud and completed in Mesaverde and Dakota in 2006. The well currently is not producing. When the well was first delivered, the water rate was 240 bwpd. When the well was swabbed, liquid removal resulted in 2,500 bbls in 12 days. Currently, the well is logged off due water production from an unknown source. It is recommended, perform a MIT, flow test and shut off water source.

**B2 Adapters** are required on all wells other than pumping wells.

**Artificial lift on well (type):** Plunger Lift (VITON)

**Est. Reservoir Pressure (psig):** 800 psi (MV) 1200 psi (DK)

**Well Failure Date:** 05/08/08

**Current Rate (Mcf/d):** 0 **Est. Rate Post Remedial (Mcf/d):** 450

**Earthen Pit Required:** YES

**Special Requirements:** 2-3/8" tubing for replacements

**ConocoPhillips  
San Juan 27-4#47P  
Water shut off and MIT**

**Lat 36° 33' 35 N   Long 107° 15' 54" W**

**PROCEDURE:**

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.
2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.
3. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with 2% KCl, if necessary. ND wellhead and NU BOPE.
4. PU and remove tubing hanger and tag for fill, adding additional joints as needed. PBSD is at 8,125'. Record fill depth in Wellview.
5. TOOH with tubing (detail below).

255	2-3/8" 4.7# J-55 Tubing joints
1-	2-3/8" 4.7# J-55 Tubing pup joint (2')
1-	2-3/8" 4.7# J-55 Tubing joint (31')
1-	2-3/8" Seating Nipple (1')
1-	2-3/8" Expandable Check (1')

Visually inspect tubing and record findings in Wellview. Make note of corrosion or scale. LD and replace any bad joints.

6. PU tubing bailer if fill is less than 100' and air package is not on location. TIH, and bail fill to PBSD (8,125'). If fill is greater than 100' or air package is on location, utilize the air package to clean out to PBSD (8,125'). If scale is on the tubing, spot acid. Contact Rig Superintendent and Engineer for acid volume, concentration, and tubing volume. TOOH. LD tubing bailer (if applicable).
7. PU and TIH with RBP and packer for a 4-1/2" 11.6# casing on the 2-3/8" tubing. Set RBP within 50' of bottom Dakota perf. @ 8,074'. PU and set packer @ 7,796. Swab the well in to production. Perform Dakota flow test for 3 hours. Tubing volume is 34 bbls. Contact Production Engineer for further guidance. Procedure may deviate at this point from here.

**Note: Inform Production Engineer of any problem with kicking the well off.**

8. Retrieve RBP and reset @ 7,796' unlatch tubing from RBP. Set packer @ 6,200' and test casing from 6,200' to 7,796' at 500 psi for 30 min on a 2 hour chart. If test passes, continue as follows. If test fails, contact Rig superintendent and PE Production Engineer.
9. Retrieve RBP and reset @ 6,200'. Pick up tubing and set packer @ 5,590' (to test production of Lower Menefee/Point Lookout). Swab the well in to production. Perform flow test 3 hours. Tubing volume is 25 bbls. Contact Production Engineer for further guidance. Procedure may deviate at this point from here.

10. Retrieve RBP and reset @ 5,610'. Reset packer @ 5178' Pick up tubing and kick well off with air (to test production of Cliff House/Upper Menefee). Perform flow test 3 hours. Tubing volume is 22 bbls. Contact Production Engineer for further guidance. Procedure may deviate at this point from here. Retrieve RBP and reset @ 5,178' (within 50' of top perf). Test casing from 5,178' to surface at 500 psi for 30 min on a 2 hour chart. If test passes, continue as follows. If test fails, contact Rig superintendent and PE Production Engineer. - MAY 1000 # SPRING
- Note: At this point Production Engineer will decide if squeeze job is necessary. If cementing is required, notify the appropriate regulatory agency 24 hours before pumping cement.**
11. TIH with tubing (detail below). TIH with tubing using Tubing Drift Check procedure (tubing drift = 1.901"). Recommended landing depth is 7980'. Land FN @ 7979'.
- 1- 2-3/8" Muleshoe/ Expendable Check (1.710) ,(If fill was bailed during ceanout, utilize a pump out plug in place of expendable check.)
  - 1- 2-3/8" F-Nipple (1.780")
  - 1- 2-3/8" 4.7# J-55 Tubing Joint (31')
  - 1- 2-3/8" 4.7# J-55 Pup Joint (2')
  - ~253 2-3/8" 4.7# J-55 Tubing Joints
- Pups joints as necessary to achieve proper landing depth
12. Run standing valve on shear tool, load tubing and pressure test tubing to 1000 psig. Pull standing valve
13. Land tubing, ND BOPE, NU wellhead, and blow out expendable check. Notify MSO that well is ready to be turned over to production. Make a swab run, if necessary, to kick off the well. RDMO.

## **TUBING DRIFT CHECK**

### **Procedure**

1. Set flow control in tubing. With air, on location, use expendable check. With no air on location, use wireline plug.
2. RU drift tool to a minimum 70' line. Drift tool will have an OD of at least the API drift specification of the tubing. (i.e. - 2-3/8", EUE, 4.7# tbg drift = 1.901"), and will be at least 15" long. The tool will not weigh more than 10# and will have an ID bore the length of the tool, so fluids may be pumped through the tool if it becomes stuck.
3. Drop the tool into the tubing string and retrieve it after every 2 joints of tubing ran in hole. If any resistance to the tool movement is noticed, going in or out, that joint will be replaced.
4. In order to simulate the plunger lift operation, all equipment must be kept clean and free of debris.

The drift tool should be measured with calipers before each job, to ensure the OD is the correct size for the tubing being checked. The maximum allowable wear of the tool is .003".



## **BLM CONDITIONS OF APPROVAL**

### ***Workover and Recompletion Operations:***

- 1. A properly functioning BOP and related equipment must be installed prior to commencing workover and/or recompletion operations.**
- 2. If this well is in a Seasonal Closure Area, adhere to the closure requirements and timeframes.**
- 3. If casing repairs are required, contact this office to obtain prior approval before conducting casing repair operations.**

### ***SURFACE USE OPERATIONS:***

The following Stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and operator a contradictory environmental stipulation. The failure of operator to comply with these requirements may result in assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on location during construction, drilling and reclamation activity.

An agreement between operator and fee landowner will take precedence over BLM surface stipulations unless (in reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

***STANDARD STIPULATIONS:*** All surface areas disturbed during work-over activities and not in use for production activities will be reseeded. This should occur in the first 90 days after completion of work-over activities.

### ***SPECIAL STIPULATIONS:***

- 1. Pits will be fenced during work-over operation.**
- 2. All disturbance will be kept on existing pad.**
- 3. All pits will be pulled and closed immediately upon completion of the work-over activities.**
- 4. Pits will be lined with an impervious material at least 12 mils thick.**