

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

SEP 08 2008

## Sundry Notices and Reports on Wells

Form 3160-5 (Rev. 10-1-01)

1. Type of Well  
GAS

5. Lease Number  
NM-019411

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

2. Name of Operator

**BURLINGTON**

RESOURCES OIL &amp; GAS COMPANY LP

3. Address & Phone No. of Operator

P.O. Box 4289, Farmington, NM 87499

8. Well Name & Number  
Federal B 1

9. API Well No.

30-045-08923

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

Unit N (SESW), 790' FSL &amp; 1850' FWL, Section 31, T30N, R11W, NMPM

10. Field and Pool  
Blanco Mesaverde  
Basin Dakota

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☐ Casing Repair☐ Altering Casing☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut off☐ Conversion to Injection☒ Other - Commingle

## 13. Describe Proposed or Completed Operations

Burlington Resources intends to remove the packer and commingle this dual DK/MV well per attached procedures. The DHC has been applied for.

RCVD SEP 10 '08

OIL CONS. DIV.

DIST. 3

AKC c/w/line Per DHC - 9-23-08

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

Signed



Rhonda Rogers

Title Regulatory Technician

Date 9/4/08

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title

Date SEP 09 2008

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.

**NMOCD**

**ConocoPhillips**  
**Federal B 1 (MV/DK)**  
**Downhole Commingle**  
Lat 36° 59' 49.524" N Long 107° 38' 22.524" W

**Prepared By:** Asa Sperry

**Date:** 7/30/2008

**Production Engineering Peer review By:** Karen Mead and Soledad Moreno

**Date:** 8/1/2008

**Scope of work:** The intent of this procedure is to commingle the MV and DK formations. By removing the Baker Model "D" Packer and commingling the well, while also adding a plunger lift, fluids will be able to be lifted off of the liquid loaded formations. This will allow both zones to produce more effectively. Uplift estimated at 100 Mcfd.

**Est. Rig Days:** 14

**WELL DATA:**

**API:** 3004508923

**Location:** 790' FSL & 1850' FWL, Section 31– T 30 N – R 11 W

**PBTD:** 6726' **TD:** 6773'

**Perforations:** 3727'-3740' (MV); 6484'-6710' (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>
	10-3/4"	35.75#, H-40	ST&C	10.136/9.980	289'
	5-1/2"	15.5#, J-55		4.950/4.825	6762'
<b><u>Short String</u></b>	1.9"	2.75#, J-55	IJ, 10 rd	1.61/1.516	3684'
<b><u>Tubing:</u></b>					
<b><u>Bull Plug:</u></b>	1.9"	2.75#, J-55		1.61	3687'
<b><u>Long String</u></b>	1.9"	2.90#, J-55	EUE, 8 rd	1.61/1.516	6355'
<b><u>Tubing:</u></b>					

**Well History/ Justification:** The Federal B 1 was drilled in 1962 as a dual producing well in the MV/DK zones. Around 1970, the MV formation had stopped producing, and the DK zone had decreased it's production. There was no artificial lift installed on this well and it has been free flowing since it's completion date and is suspected to have near zero production due to liquid loading. The well produces through two tubing strings, both of which are 1.9" tubing, and the well has a Baker Model D Packer separating the formations at 6355'.

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

**Artificial lift on well (type):** None

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**Est. Reservoir Pressure (psig):** 300 (MV) 1500 (DK)

**Well Failure Date:** 1970

**Current Rate (Mcf/d):** 1 **Est. Rate Post Remedial (Mcf/d):** 101

**Earthen Pit Required:** NO

**Special Requirements:** 250 joints of 2-3/8" tubing. Current strings are 1.9".  
Offset spool. Slip grip elevators. Test sheet for flow test.

**Production Engineer:** Karen Mead Office: 324-5158, Cell: 320-3753

**Backup Engineer:** Juan Alvarez Office: 324-5185

**MSO:** Darrell Elliott Cell: 320-9471

**Lead:** Donnie Thompson Office: 324-5150, Cell: 320-2639

**Area Foreman:** Terry Nelson Cell: 320-2523

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**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. Release tubing hanger. **Short string** of Tubing (MV) is landed **@ 3,684'**, Packer is **@ 6,355'** (Baker Model "D" Packer) Record the fill depth in Wellview.
5. TOOH with Short string of tubing laying it down (detail below).

114jts- 1.9" 2.75# J-55 Tubing joints  
1- 1.9" 2.75# J-55 Tubing pup joint (2')  
1- 1.9" 2.75# J-55 Tubing perforated joint  
1- 1.9" Bull Plug

6. Visually inspect tubing and record findings in Wellview.
7. TOOH with **Long string** (DK). Release seal assembly from the Baker Model D Packer with a rotated pickup. Note: Seal assembly was not specified in well files, take caution while pulling out this seal. If the seal does not come out with rotation, try a straight lift out. If seal assembly will not come free, then cut tubing above the packer and fish with overshot and jars. TOOH with DK tubing (**set @ 6,355'**). Visually inspect tubing for corrosion. Check tubing for scale build up and notify Operation Engineer.
8. TOOH with Long string of tubing laying it down (detail below).

196jts- 1.9" 2.90# J-55 Tubing joints  
1- 1.9" 2.90# J-55 Tubing pup joint (2')  
1- 1.9" 2.90# J-55 Tubing joint

Pick up 2 3/8 tubing. RIH with packer mill and plucker. Retrieve complete packer assembly.

9. Utilize the air package to clean out to PBTD (6726'). If scale is on the tubing, spot acid. Contact Rig Superintendent and Engineer for acid volume, concentration, and tubing volume. TOOH

**NOTE: Flow Test Conducted Here**

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10. RU test unit and pit. Flow test the entire wellbore up the annulus with a backpressure equivalent to the line pressure in that area on unit. Run a minimum 3-hour test and record results in WellView. Be sure that it is a stabilized test, no spikes that indicate loading or surging. If the well is unstable, continue with test until a stable 3-hour test has been recorded.
11. RD the test unit lines but do not RD the unit. (Unit will be utilized in MV test.)
12. TOOH. PU 4-1/2" RBP on 2-3/8" tubing. RIH and set RBP @ 3940' (approx. 200' below bottom MV perforation).
13. PU and set tubing at 3840' (approx. 100' above RBP.)
14. RU test unit and pit. Flow test MV up the annulus with a backpressure equivalent to the line pressure in that area on unit. Ensure that test is performed with the same backpressure as the Commingled DK/MV Test. Run a minimum 3-hour test and record results in WellView and the test sheet. Be sure that it is a stabilized test, no spikes that indicate loading or surging. If the well is unstable continue with test until a stable 3-hour test has been recorded.
15. Latch onto RBP, equalize, TOOH and LD RBP.
16. Send results of test to Production Engineer.
17. TIH with tubing (detail below). Recommended landing depth is 6,550'. Land FN @ 6,549'.
  - 1- 2-3/8" Muleshoe/ Expendable Check (If fill was bailed during cleanout, utilize a pump out plug in place of expendable check.)
  - 1- 2-3/8" F-Nipple
  - 1- 2-3/8" 4.7# J-55 Tubing Joint
  - 1- 2-3/8" 4.7# J-55 Pup Joint (2')
  - 206- 2-3/8" 4.7# J-55 Tubing Joints
  - Pups joints as necessary to achieve proper landing depth
  - 1- 2-3/8" 4.7# J-55 Tubing Joint
18. Run standing valve on shear tool, load tubing, and pressure test to 1000 psig. Pull standing valve
19. 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.

District NORTH	Field Name BASIN DAKOTA (PRORATED GAS)	API / UWI 3004508923	County SAN JUAN	State/Province NEW MEXICO	Edit
Original Spud Date 3/23/1962	Surface Legal Location NMPM,031-030N-011W	East/West Distance (ft) 0.00	East/West Reference	North/South Distance (ft) 0.00	North/South Reference

Well Config: - FEDERAL B 1, 7/30/2008 9:23:01 AM

