

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD DEC 17 '07

OIL CONS. DIV.

DIST. 3

## Sundry Notices and Reports on Wells

1. Type of Well  
GAS

RECEIVED

DEC 13 2007

Bureau of Land Management  
Farmington Field Office

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

5. Lease Number  
SF-079521-A  
6. If Indian, All. or  
Tribe Name  
7. Unit Agreement Name  
San Juan 28-5 Unit

3. Address & Phone No. of Operator

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

8. Well Name & Number

#60

9. API Well No.

30-039-07341

4. Location of Well, Footage, Sec., T, R, M  
Sec., T--N, R--W, NMPM

10. Field and Pool

Blanco MV/Basin DK

Unit A (NENE), 990' FNL & 1190' FEL, Sec. 29, T28N, R5W NMPM

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 ☐ Change of Plans

☐ Recompletion ☐ New Construction

☐ Plugging ☐ Non-Routine Fracturing

☒ Casing Repair ☐ Water Shut off

☐ Altering Casing ☐ Conversion to Injection

Other -

## 13. Describe Proposed or Completed Operations

It is intended to conduct a MIT to determine if a casing failure has occurred according to the attached procedure.

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

Signed Philana Thompson Title Regulatory Tech Date 12/4/07

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason

Title

Date

DEC 14 2007

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

88

**ConocoPhillips**  
**SAN JUAN 28-5 UNIT 60 (MV DK)**  
**MIT/ Casing Repair and Possible Zone Squeeze of Lewis Shale**

**Lat** 36° 38' 13.2" N **Long** 107° 22' 26.92" W

Prepared By: Dryonis Pertuso  
BAE Peer review/approved By: Asif Bari

Date: 10/31/2007  
Date: 11/01/2007

**Scope of work:** The intent of this procedure is to perform a mechanical integrity test (MIT) to the 4 1/2" production casing. If the test fails, squeeze any holes with cement (pay especial attention to the interval 2474'-2804') in the 4 1/2" production casing. Isolate the Lewis Shale interval (4533'- 4712') completed in September 2005 with a RBP set @ 5400'. Perform a water production test, gather a water sample and analyze it. If the water production of this zone matches the results of the water analysis performed on 10/25/2007 and the zone produces more than 10 bbls/d of water, then squeeze this zone. The wellbore will then be cleaned out and returned to production.

A pit will be required for this procedure.

Remaining reserves: Dakota (560 MMscf).

**Est. Cost:** \$116.2  
**Est. Rig Days:** 10

**WELL DATA:**

**API:** 30-039-073410000  
**Location:** 990' FSL & 1190' FEL, Unit A, Section 029- T28N - R05W  
**PBTD:** 7797' **ID:** 8012'  
**Perforations:** 4,533'-4,712' (Lewis Shale), 5,349'-5,540' (CLFH/ MNFEE), 5,612'-5,863' (MNFEE/ PTO), 7,782'-7,980' (DK)

**Well History:** This well was drilled in 11/07/1962 and was first delivered 13/28/63 as a stand alone Dakota well (7782' - 7980'). During the original drilling, a DA packer was set @ 7743' to isolate the DK from the above formations due to several casing problems. In 1999 the packer was removed and casing leaks were repaired. The well had an avg production of 110 Mcf, until it was re-completed and commingled in 2005 with MV. After the re-completion the well was unable to recover and maintain its production due to excessive water production. During the re-completion, several holes in the 4 1/2" (production casing) were detected and cement squeezed. On October 2007 a swabbing unit tried to unload the well. A total of 356 bbls of liquid were recovered in three days, but the well was not able to produce for more than 30 min each run. In the last run recovered 45 bbls of liquid in less than 14 hrs. Ram has stated that there are no indications that this liquid is coming from MV Perfs. A water analysis (10/25/2007) showed values far different from the normal values of MV produced water. The CBLs indicate poor cement from 4400' to surface. After this analysis two possible options arises: the first which seems to be the more likely is the presence of some holes inside the 4 1/2" casing permitting the water to enter the wellbore and the second option could be water channeling from Ojo Alamo to Lewis Shale.

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

**Artificial lift on well (type):** plunger lift

**Est. Reservoir Pressure (psig):** 2100psi (DK) 600psi (MV)

**Well Failure Date:** August 2007

**Current Rate (mcf/d):** 0 **Est. Rate Post Remedial (mcf/d):** 90

**Earthen Pit Required:** YES

**Special Requirements:** 2 hour chart for MIT, Nalco to run water test on site.

**BAE Production Engineer:** Dryonis Pertuso, Office: (505) 559-3409, Cell: (505) 320-6568

**BAE Backup:** Jim Arroyo, Office: (505) 599-3477, Cell: (505) 320-2568

**Area Foreman:** Mark Poulson Cell: (505)320-2523

**Lead:** Joey Becker Cell: (505) 320-2548

**MSO:** Greg Cathey Cell: (505) 486-5987

**ConocoPhillips**  
**SAN JUAN 28-5 UNIT 60 (MV DK)**  
**MIT/ Casing Repair and Possible Zone Squeeze of Lewis Shale**

**Lat** 36° 38' 13.2" N **Long** 107° 22' 26.92" W

**PROCEDURE:**

1. Send slickline to pull any down-hole equipment (bumper spring). If not able to pull, set three slip stop above obstruction.
2. Hold safety meeting. Comply with all NMOCD, BLM, and ConocoPhillips safety and environmental regulations. Test rig anchors prior to moving in rig.
3. MIRU. check casing, tubing, and bradenhead pressures and record them in Wellview. RU blow lines from casing valves and begin blowing down casing pressure. Load well with 2% Kcl if necessary. ND wellhead NU BOP.
4. Unseat donut, remove hanger, and pull 2-3/8" tubing. TOOH with tubing (detail below). Tubing is currently landed @ 7932'.

(250 jts) 2-3/8" 4.7# J-55 tubing  
(1 jt) 2-3/8" X 2' 4.7# J-55 pup joint  
(1 jt) 2-3/8" 4.7# J-55 tubing  
(1) 2-3/8" X 1.995" ID "F" Nipple set @ 7931'  
(1) Expendable Check set @ 7932'

Visually inspect tubing and record findings in Wellview. Make note of corrosion or scale. Please notify engineer of any unusual findings.

5. PU and TIH with RBP for 4-1/2" 11.6# casing on the 2-3/8" tubing, set RBP within 50' of the top Lewis Shale perms @ 4500' and set a packer to test RBP to 500psi for 10 min.
6. Unset packer and test casing to 500psi for 30 min on a 2 hour chart. If test passes, go to Step 13. If test fails, continue with the next Step
7. NU wireline and run a Casing inspection log & CBL (Run Radii Sector log from Blue Jet) from 4500' up to surface (Blue Jet) (two different runs) send logs to Rig Superintendent/ BAE Production Engineer, ND wireline unit.
8. Pull up a packer and isolate the hole(s) in the casing, pay especial attention to the interval 2633'-2830' (Ojo Alamo), record location of holes and contact Rig Superintendent and Production Engineer to obtain necessary regulatory approvals and proper squeeze design.
9. RU Cement company, try to get injection rate and returns to surface with water, cement all squeeze holes, circulate to surface if possible.
10. TIH with 3-7/8" bit and drill out excess cement left in 4 1/2' casing to RBP set @ 4500'. TOOH.

11. Perform a charted pressure test on casing (after squeezed) to 500 psi for 30 minutes on a 2 hour chart. If test fails go back to step 10 and Call Rig Superintendent and Production Engineer. If test passes continue to step 13.

**NOTE:** Rig Supervisor and Production Engineer will decide when to cease squeezing and run Woolley liner. If necessary, RU, RIH, set and cement a 3 ¾" woolley liner to 4450' (flush to flush connection), hang it to the well, run CBL to see cement quality, contact Rig Superintendent /Production Engineer for confirmation on running and cementing Woolley Liner.

12. Retrieve RBP set @ 4500', TOOH with RBP.
13. Set RBP at 5310' (39' above MNFEE top perms). PU, TIH and land tubing @ 4750'. Swab well if necessary and record time, fluid volume, and fluid levels. Produce well, monitor and record water production for 12 hour period. If well won't produce, contact Production Engineer or Rig Superintendent. If water production obtained if less than 10 bbls continue to the next step and if water prod is more than 10 bbls/ day, take a sample (Nalco to run water test on site) a send results to Production Engineer, Production Engineer to give further instruction (be prepared for plugging the zone).
14. Retrieve RBP set @ 5310', TOOH with RBP. TIH with tubing to clean out wellbore to PBTD @ 7997'.
15. TIH and land tubing @ 7931' (detail below), run a drift test while TIH with tubing joints.
  - (1) Expendable Check set @ 7932'
  - (1) 2-3/8" X 1.995" ID "F" Nipple set @ 7931'
  - (1 jt) 2-3/8" 4.7# J-55 tubing
  - (1 jt) 2-3/8" X 2' 4.7# J-55 pup joint
  - (250 jts) 2-3/8" 4.7# J-55 tubing
16. Always install a full joint at top to allow for stripping the landing donut in and out of the well safely.
17. Pressure test tubing to 1000 psig to ensure no holes in the tubing.
18. ND BOP, NU wellhead Pump out expendable check and blow the hole dry to kick off the well. Tubing volume to SN is ~ 30.7 bbls.
19. Notify the lease operator when the well is ready to run plunger and return to production. RDMO
20. Should you have any questions or need additional info, please contact Production Engineer.

# Current Schematic

ConocoPhillips

Well Name: SAN JUAN 28.5 UNIT #60

API / UWI	Surface Legal Location	Field Name	License No	State/Province	Well Configuration Type	Edit
3003907341	San Juan 28.5 Unit #60	San Juan 28.5 Unit #60		NEW MEXICO		
Ground Elevation (ft)	Original KB Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		
6,715.00	6,726.50	11.50	6,726.50	6,726.50		

Well Config - Original Hole, 11/2/2007 9:57:58 AM

