submitted in lieu of Form 3160-5

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

RECEIVED
SEP 30 2011
Farmington Field Office
Bureau of Land Management

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

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

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. **Location of Well, Footage, Sec., T, R, M**
**Unit N (SESW), 845' FSL & 1645' FWL, Section 12, T31N, R12W, NMPM**

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OIL CONS. DIV. DIST. 3

5. **Lease Number**
**NMSF-077648**
6. **If Indian, All. or Tribe Name**
7. **Unit Agreement Name**
8. **Well Name & Number**
**Davis 10M**
9. **API Well No.**
**30-045-33127**
10. **Field and Pool**
**Blanco MV / Basin DK**
11. **County and State**
**San Juan, NM**

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

| Type of Submission | Type of Action | | | |
|---|---|---|---|---|
| X Notice of Intent | ___ Abandonment | ___ Change of Plans | X Other – | Remedial Activity |
| | ___ Recompletion | ___ New Construction | | |
| ___ Subsequent Report | ___ Plugging | ___ Non-Routine Fracturing | | |
| | ___ Casing Repair | ___ Water Shut off | | |
| ___ Final Abandonment | ___ Altering Casing | ___ Conversion to Injection | | |

**13. Describe Proposed or Completed Operations**

Burlington Resources requests permission to perform remedial activty on the subject well per the attached project and current wellbore schematic.

Notify agencies of any discovered csg leaks prior to cementing

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

Signed Crystal Tafoya Crystal Tafoya Title: Staff Regulatory Technician Date 9/30/11

(This space for Federal or State Office use)
APPROVED BY Original Signed: Stephen Mason Title _____ Date SEP 30 2011
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

A

# ConocoPhillips
## DAVIS 10M
### Expense - Repair Casing

**Lat 36° 54' 30.323" N** **Long 108° 3' 3.132" 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 work over 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.

4. ND wellhead and NU BOPE. PU and remove tubing hanger. Tag for fill adding additional joints as necessary, TOOH with tubing. **The latest wireline in 2006 indicates a bottom hole bumper spring is in the F Nipple, for proper safety precaution install a Three Slip Stop before pulling tubing. The swab unit in 2011 was unable to get their tools below 6000'

Use Tuboscope Unit to inspect tubing and record findings in Wellview. **Make note of corrosion, scale, or paraffin and save a sample to give to NALCO for further analysis.** LD and replace any bad joints.

| Number | Description |
|---|---|
| 235 | 2-3/8" 4.7# J-55 EUE tubing with pup |
| 1 | Seat Nipple |
| 1 | Expendable Check, pumped off |

5. GIH with 3-7/8" bit and clean out casing liner to 7477' with air. TOOH. * NOTE: Cut off production casing top @ 1749'

6. GIH with a retrievable bridge plug (RBP) and retrievable packer. Set RBP above the top of the Squeezed Cliffhouse perfs (Top perf @ 4272'). Pressure test to surface. If hole is not found proceed to next testing interval and begin locating casing leak.

7. When location of leak is found, establish a rate and injection pressure. Contact engineering to discuss squeeze cementing options. The size and location of the leak will determine the procedure to use.

8. Conduct the necessary squeeze cementing operations to repair the casing. After WOC and drilling out, pressure test the tubing/casing annulus to 500 psig for 30 minutes. If the test is good, continue with Step 9, otherwise continue with casing remediation efforts.

9. **Contact the NMOCD** and perform a MIT on the casing. Pressure up to 400 psig for 30 minutes. Record test on a one hour chart recorder with a 1000# spring. Record all test results in WellView.

10. TIH with retrieving tool and recover the RBP that was set in Step 6. TOOH.

11. GIH with a bit and scraper and clean out well to PBTD @ 7477' with air. TOOH.

12. TIH with production tubing string configured as follows:

| **Recommended** | |
|---|---|
| Tubing Drift ID: | 1.901" |
| Land Tubing At: | 7321' |
| Land F-Nipple At: | On bottom |

| Number | Description |
|---|---|
| 1 | Mule Shoe w/expendable check |
| 1 | 2-3/8" F nipple (ID 1.78") |
| Approx. 233 | 2-3/8" 4.7# EUE 8rd tubing joints |
| As necessary | 2-3/8" 2-3/8" pup joints |
| 1 | 2-3/8" 4.7# EUE 8rd tubing joint |

13. ND BOP, NU wellhead. Pressure up on tubing with an air package as follows: pump 3 bbls pad, drop steel ball, pressure tubing up to 500 psi, and bypass air. Monitor pressure for 15 mins., then complete the operation by pumping off the expendable check. Note in WellView the pressure in which the check pumped off. Notify the MSO that the well is ready to be turned over to Production Operations. Make swab run to kick-off the well, if necessary. RDMO.

# Tubing Drift Check

## Procedure

1. Set flow control in tubing. With air, on location, use expendable check. With no air on location, use wire line plug.

2. RU drift tool to a minimum 70' line. Drift tool will have an OD of at least the API drift specification of 1.901" for the 2 3/8",4.7# tubing, 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 stimulate 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".

# Current Schematic

**ConocoPhillips**
**Well Name: DAVIS #10M**

| API / UWI | Surface Legal Location | Field Name | License No. | State/Province | Well Configuration Type |
|---|---|---|---|---|---|
| 3004533127 | NMPM,012-031N-012W | BLANCO MESAVERDE (PRORATED ... | | NEW MEXICO | Edit |

| Ground Elevation (ft) | Original KB/RT Elevation (ft) | KB-Ground Distance (ft) | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) |
|---|---|---|---|---|
| 6,239.00 | 6,251.00 | 12.00 | 6,251.00 | 6,251.00 |

Well Config: - Original Hole, 6/15/2011 10:26:08 AM

| ftKB (MD) | Schematic - Actual | Frm Final |
|---|---|---|
| 0 | | |
| 13 | Mandrel, 7in, 20.00lbs/ft, J-55, 13 ftKB<br>Wellhead, 9 5/8in, 32.30lbs/ft, H-40, 14 ftKB | |
| 14 | Casing Joints, 9 5/8in, 32.30lbs/ft, H-40, 233 ftKB | |
| 233 | Saw Tooth Collar, 9 5/8in, 32.30lbs/ft, H-40, 234 ftKB | |
| 245 | Surface Cement, 12-245 | |
| 1,028 | | OJO ALAMO, 1,028 |
| 1,120 | Cut and Pulled 4-1/2" CSG @1749' | KIRTLAND, 1,120 |
| 1,749 | Casing Joints, 4 1/2in, 10.50lbs/ft, J-55, 3,489 ftKB | |
| 2,592 | Casing Pup, 4 1/2in, 10.50lbs/ft, J-55, 3,499 ftKB | FRUITLAND, 2,592 |
| 2,760 | | PICTURED CLIFFS, 2,760 |
| 2,921 | Casing Joints, 7in, 20.00lbs/ft, J-55, 3,938 ftKB | HUERFANITO BENTONITE, 3,459 |
| 3,459 | | |
| 3,490 | 4,272-4,743, Zone: Menefee/Cliffhouse, Original Hole<br>Perf Status: OPEN, 10/15/2005 00:00 | |
| 3,862 | Tubing Joints, 2 3/8in, 4.70lbs/ft, J-55, 12 ftKB | CHACRA, 3,862 |
| 4,268 | Wet CLFH Squeeze, 2nd attempt, 4,494-4,525 | CLIFFHOUSE, 4,268 |
| 4,325 | Casing Joints, 7in, 23.00lbs/ft, J-55, 4,646 ftKB | |
| 4,500 | Float Collar, 7in, 23.00lbs/ft, J-55, 4,647 ftKB | |
| 4,512 | Hydraulic Fracture, 4,272, 4,742<br>Casing Joint, 7in, 23.00lbs/ft, J-55, 4,691 ftKB | MENEFEE, 4,512 |
| 4,525 | Float Shoe, 7in, 23.00lbs/ft, J-55, 4,692 ftKB | |
| 4,647 | Intermediate Casing Cement (Lost Returns), 110-4,700 | |
| 4,692 | Wet CLFH Squeeze, 1st Attempt, 1,785-4,743 | |
| 4,743 | 4,894-5,390, Zone: Point Lookout, Original Hole<br>Perf Status: OPEN, 10/15/2005 00:00 | |
| 5,082 | Hydraulic Fracture, 4,893, 5,387 | POINT LOOKOUT, 5,082 |
| 5,390 | | MANCOS, 5,465 |
| 5,465 | Casing Joints, 4 1/2in, 10.50lbs/ft, J-55, 7,038 ftKB | GALLUP, 6,405 |
| 7,038 | Casing Pup, 4 1/2in, 10.50lbs/ft, J-55, 7,049 ftKB | |
| 7,049 | | |
| 7,115 | Tubing Pup, 2 3/8in, 4.70lbs/ft, J-55, 7,286 ftKB | GREENHORN, 7,115 |
| 7,169 | | GRANEROS, 7,169 |
| 7,225 | Tubing Joint, 2 3/8in, 4.70lbs/ft, J-55, 7,288 ftKB | DAKOTA, 7,225 |
| 7,286 | Seat Nipple, 2 3/8in, 4.70lbs/ft, J-55, 7,319 ftKB<br>7,227-7,362, Zone: Dakota, Original Hole<br>Perf Status: OPEN, 10/14/2005 00:00 | |
| 7,319 | Expendable Check, 2 3/8in, 4.70lbs/ft, J-55, 7,320 ftKB<br>7,373-7,440, Zone: Dakota, Original Hole<br>Perf Status: OPEN, 10/14/2005 00:00 | |
| 7,321 | Hydraulic Fracture, 7,218, 7,431 | |
| 7,373 | Casing Joints, 4 1/2in, 10.50lbs/ft, J-55, 7,477 ftKB | |
| 7,477 | PBTD, 7,477<br>Float Collar, 4 1/2in, 10.50lbs/ft, J-55, 7,478 ftKB<br>Production Cement, 4,500-7,479 | |
| 7,479 | Float Shoe, 4 1/2in, 10.50lbs/ft, J-55, 7,479 ftKB | |
| 7,480 | TD, 7,480<br>Plugback, 7,479-7,480 | |