

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## Sundry Notices and Reports on Wells

- |  |  |
|--|--|
| 1. Type of Well<br>GAS   | 5. Lease Number<br>SF - 079012                                     |
| 2. Name of Operator<br>CONOCOPHILLIPS COMPANY  | 6. If Indian, All. or<br>Tribe Name                                |
| 3. Address & Phone No. of Operator<br><br>PO Box 4289, Farmington, NM 87499 (505) 326-9700   | 7. Unit Agreement Name<br>San Juan 31-6 Unit                       |
| 4. Location of Well, Footage, Sec., T, R, M<br><br>Surf: Unit M (SWSW), 795' FSL & 1310' FWL, Section 4, T30N, R6W, NMPM<br>Surf: Unit M (SWSW), 749' FSL & 771' FWL, Section 4, T30N, R6W, NMPM | 8. Well Name & Number<br>San Juan 31-6 Unit 13H                    |
|  | 9. API Well No.<br><br>30-039-29652                                |
|  | 10. Field and Pool<br><br>Blanco MV/Basin DK<br>Rio Arriba Co., NM |

## 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 checked="" type="checkbox"/> Other -	<input type="checkbox"/> MIT/P/B Lower DK		
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction	<input type="checkbox"/> Water producing zone			
<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				

RCVD AUG 26 '09  
OIL CONS. DIV.  
DIST 3

## 13. Describe Proposed or Completed Operations

ConocoPhillips wishes to P/B Lower DK water producing zone with CIBP & C/O wellbore. Return well to production.

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

Signed Jamie Goodwin Jamie Goodwin Title Regulatory Technician Date 8/21/09

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_ Date AUG 25 2009

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

NOTIFY NMOCD AFTER 24 HOURS PRIOR TO BEGINNING OPERATIONS

NMOCD

PC

**ConocoPhillips**  
**SAN JUAN 31-6 UNIT 13H**  
**MIT and Water Shut-Off**

Lat 36° 50' 11.544" N

Long 107° 28' 19.704" W

**PROCEDURE**

1. Test well for H<sub>2</sub>S (15 ppm indicated by water sample on 7/20/09) and treat with Scavenger as necessary.
2. Send slickline to pull any down-hole equipment. If not able to pull, set three slip stop above obstruction. (Bumper spring and PCS Bypass Plunger w/ internal grab currently in hole)
3. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.
4. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.
5. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with 2% KCl, if necessary.
6. ND wellhead and NU BOPE. PU and remove tubing hanger and tag for fill, adding additional joints as needed (tubing currently landed @ 7810, PBTD @ 7900). Record fill depth in Wellview.
7. TOOH with tubing (details below)

Number	Description
252	2-3/8" Tubing joint
1	2-3/8" Pup Joint (')
1	2-3/8" Tubing Joints
1	2-3/8" F Nipple (ID 1.78")
1	2-3/8" Mule Shoe

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

8. If fill is tagged, PU bailer and CO to PBTD (7900). If fill is too hard or too much to bail, utilize the air package. TOOH. LD tubing bailer (if applicable). Please call Production Engineer to inform how much fill was tagged. If scale is on tubing spot acid.

Contact Rig Superintendent or engineer for acid, volume, concentration, and displacement volume.

9. PU and TIH with RBP for 4-1/2" 11.6# casing on the 2-3/8" tubing, set RBP @ 4920'. Unlatch tubing from RBP and set a packer, test RBP at 500 PSI for 10 min.

10. Unset packer and test casing to 500psi for 30 minutes on a 2 hour chart. *1000 # MAX SPRING* If test passes, go to step 15. If step fails, continue with the next step.

11. Contact Rig Superintendent and Production Engineer so they can obtain the necessary regulatory approvals and proper squeeze design. Pull up packer and isolate hole(s) in the casing, record the location of the holes.

12. RU cement company, try to get injection rate and returns to surface with water, cement all squeeze holes, and circulate to surface if possible.

13. TIH with 3-7/8" bit and drill out excess cement left in the 4-1/2" casing to RBP set @ 4920'. TOOH.

14. Perform a charted pressure test on casing to 500psi for 30 minutes on a 2 hour chart. *1000 # MAX SPRING* If test fails, go back to step 10 and call the Rig Superintendent and Production Engineer. If test passes continue to step 15.

15. Retrieve RBP set @ 4920'.

16. Reset RBP @ 5150', set packer, and test RBP at 500 PSI for 10 min. Unset packer, land tubing @ 5070', and unload well. Swab well if necessary, record time, fluid volume, and fluid levels. Produce well, monitor, and record water production for a 12 hour period (contact Production Engineer to confirm production time period). Contact Production Engineer when wells starts producing or if well won't produce. Take a water sample (Envirotech to run water test on site) and send results to Production Engineer. Production Engineer will give further instruction. (Be prepared to continue with step 17 or perform squeeze job).

17. Retrieve RBP set @ 5150'.

18. Reset RBP @ 5460', set packer, and test RBP at 500 PSI for 10 min. Unset packer, land tubing @ 5410', and unload well. Swab well if necessary, record time, fluid volume, and fluid levels. Produce well, monitor, and record water production for a 12 hour period (contact Production Engineer to confirm production time period). Contact Production Engineer when wells starts producing or if well won't produce. Take a water sample (Envirotech to run water test on site) and send results to Production Engineer. Production Engineer will give further instruction. (Be prepared to continue with step 19 or perform squeeze job).

19. Retrieve RBP set @ 5460'.

20. Reset RBP @ 5800', set packer, and test RBP at 500 PSI for 10 min. Unset packer, land tubing @ 5726', and unload well. Swab well if necessary, record time, fluid volume, and fluid levels. Produce well, monitor, and record water production for a 12 hour period (contact Production Engineer to confirm production time period). Contact Production Engineer when wells starts producing or if well won't produce. Take a water sample (Envirotech to run water test on site) and send results to Production Engineer. Production Engineer will give further instruction. (Be prepared to continue with step 21 or perform squeeze job).

21. Retrieve RBP set @ 5800'.

22. Reset RBP @ 7826', set packer, and test RBP at 500 PSI for 10 min. Unset packer, land tubing @ 7816', and unload well. Swab well if necessary, record time, fluid volume, and fluid levels. Produce well, monitor, and record water production for a 12 hour period (contact Production Engineer to confirm production time period). Contact Production Engineer when wells starts producing or if well won't produce. Take a water sample (Envirotech to run water test on site) and send results to Production Engineer. Production Engineer will give further instruction. (Be prepared to continue with step 23 or perform squeeze job).

23. Retrieve RBP set @ 7826'. TOOH w/ RBP.

24. TIH, land tubing @ 7864', and unload well. Swab well if necessary, record time, fluid volume, and fluid levels. Produce well, monitor, and record water production for a 12 hour period (contact Production Engineer to confirm production time period). Contact Production Engineer when wells starts producing or if well won't produce. Take a water sample (Envirotech to run water test on site) and send results to Production Engineer. Production Engineer will give further instruction. (Be prepared to continue with step 25 or perform squeeze job).

25. CO wellbore to PBTD @ 7900'. TOH.

26. TIH with tubing using Tubing Drift Procedure. (detail below). Be sure to confirm landing depth with Production Engineer.

**Recommended**

Tubing Drift ID:	1.901"
Land Tubing At:	7810'
Land F-Nipple At:	7808'

Number	Description
1	2-3/8" Mule Shoe
1	2-3/8" F Nipple (ID 1.78")
252	2-3/8" Tubing Joints
As Necessary	Pup Joints
1	2-3/8" Tubing Joint

## **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".

27. Run standing valve on shear tool, load and pressure test tubing to 1000 psig. Pull standing valve.

28. ND BOP, NU wellhead, blow out expendable check. Make swab run if necessary to kick off well. Notify Lease operator to return to well production. RDMO.

Should you have any questions or need additional inform, please contact Production Engineer.

## Current Schematic

ConocoPhillips

Well Name: SAN JUAN 31-6 UNIT #13H

API/ UWI	Surface Legal Location	Field Name	License No	State/Province	Well Configuration Type	Edit
300392965200	NMPM-30N-06VV-04-M	MV/DK.COM		NEW MEXICO	Vertical	
Ground Elevation (ft)	Original KIDRT Elevation (ft)	KID-Grout Distance (ft)	KID-Casing Flange Distance (ft)	KID-Tubing Hanger Distance (ft)		
6,275.00	6,291.00	16.00				

Well Config: Vertical - Original Hole: 7/29/2009 8:37:18 AM

