

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

**RECEIVED**

JAN 27 2010

## Sundry Notices and Reports on Wells

**Bureau of Land Management  
Farmington Field Office**

<p>1. <b>Type of Well</b> GAS</p> <p>2. <b>Name of Operator</b> <b>CONOCOPHILLIPS COMPANY</b></p> <p>3. <b>Address &amp; Phone No. of Operator</b>  PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. <b>Location of Well, Footage, Sec., T, R, M</b>  Surf: Unit G (SWNE), 1885' FNL &amp; 1165' FEL, Section 25, T29N, R05W, NMPM</p>	<p>6. <b>If Indian, All. or Tribe Name</b></p> <p>7. <b>Unit Agreement Name</b> San Juan 29-5 Unit</p> <p>8. <b>Well Name &amp; Number</b> San Juan 29-5 Unit 100</p> <p>9. <b>API Well No.</b>  30-039-22534</p> <p>10. <b>Field and Pool</b></p> <p>11. <b>Blanco MV/Governador PC County and State</b> Rio Arriba Co., NM</p>
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**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"/> Isolate water/perform MIT	
<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			

**13. Describe Proposed or Completed Operations**

ConocoPhillips would like to request permission to isolate water production from the PC and perform a MIT on the subject well. Procedure and Current Schematic are attached.

RCVD FEB 2 '10  
OIL CONS. DIV.

DIST. 3

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

Signed Jamie Goodwin Jamie Goodwin Title Regulatory Technician Date 1/27/10

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_ Date JAN 28 2010

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 24 hrs  
prior to beginning  
operations

**NMOCD** 6

PC

**ConocoPhillips**  
**SAN JUAN 29-5 UNIT 100**  
**Water Shutoff and MIT**

Lat 36° 41' 55.141" N

Long 107° 18' 21.24" 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 and tag for fill, adding additional joints as needed (tubing currently landed @ 5810', PBTD @ 6118') . Record fill depth in Wellview.
5. If fill is tagged, use air package to clean out to PBTD (6118'). Please call Production Engineer to inform how much fill was tagged and therefore confirm/adjust landing depth.

6. TOOH with tubing (details below)

Number	Description
190	2-3/8" Tubing joint
1	2-3/8" pup joint (2.10')
1	2-3/8" tubing joint
1	2-3/8" F nipple (ID 1.78")
1	2-3/8" Mule Shoe/Expendable Check

Visually inspect tubing and record findings in Wellview. Make note of corrosion or scale. LD and replace any bad joints. Contact Rig Superintendent or engineer for acid, volume, concentration, and displacement volume.

**MIT**

7. PU 4 1/2" RBP and 4 1/2" packer. TIH and set RBP at 5560'. Pull up hole and set the packer at 5539'. Pump down the tubing and test RBP to 560 PSI for 10 minutes.
8. Pull up the hole and set the packer at 3920'. Test liner to 560 PSI for 30 minutes. Release packer and TOOH.
9. Lay down 4 1/2" packer, and PU 7" casing scraper. TIH with scraper to 3868'. TOOH and lay down scraper.
10. Pick up 7" packer. TIH. Set the 7" packer at 3843'. Pump down tubing and pressure test liner hanger to 560 PSI for 30 minutes.
11. Release packer. Pull up hole and set packer at 3599' (above PC perfs). Pump down casing and pressure test 7" casing from 3599' to 0' at 560 PSI for 30 minutes. Release Packer, TOH, and lay down Packer.
12. PU 4 1/2" retrieving head. TIH and unload hole with air package. Latch onto RBP and release. TOOH.

**Note: Contact Production Engineer for squeeze plan if any casing leaks are identified.**

### Flow Tests

13. Pick up 7" RBP and set it at 3698' (directly between the upper and lower set of PC perfs). Test RBP. Use the air unit to produce the upper set of perfs (3638, 48, 58'). Flow test for 6 hours or until water production has stabilized. **Note the production each hour, and a final stabilized rate. Notify the Production Engineer.**

14. Retrieve RBP and reset at 3845'. Test RBP. Use the air unit to produce the entire PC. Flow test for 6 hours or until water production has stabilized. **Note the production each hour and a final stabilized rate. Subtract previous stabilized rate to determine lower PC water production. Notify the Production Engineer.**

15. Retrieve RBP and TOOH. TIH. Note top of liner @ 3884'. Use the air unit to unload entire well and flow test MV and PC. Flow test for 4 hours or until water production has stabilized. **Note the production each hour and a final stabilized rate. Subtract the sum of the previous stabilized rates to determine MV water production. Notify the Production Engineer.**

16. Based on the water production of each zone determine if and where to do a cement squeeze job(s). Based on a past PC flow test, we should be looking to squeeze at least part of it. Contact Production Engineer to create a squeeze plan.

### Preliminary Squeeze Calculations

	Upper PC	Lower PC
Hole Size	8.75	8.75
Casing Size	7	7
Casing ID	6.456	6.456
Annular Cu.Ft/Ft	0.1503	0.1503
Top Perf (ft)	3638	3739
Lower Perf (ft)	3653	3795
Cement Type	Class A	Class A
Excess	100%	100%
Volume (cu.ft)	19.29	40.93
Sacks	16.34	34.69

Allows for cmt retainer to be 50' above top perforation.

17. Let cement set a day. TIH with bit and drill out. While blowing well, verify that water rate has been successfully shut off. Notify Production Engineer if the job was successful or not.

18. TOOH with work string and TIH with tubing using Tubing Drift Procedure. (detail below).

#### Recommended

Tubing Drift ID:	1.901"
Land Tubing At:	5810
Land F-Nipple At:	5809

Number	Description
1	2-3/8" Mule Shoe/Expendable Check
1	2-3/8" F nipple (ID 1.78")
1	2-3/8" tubing joint
1	2-3/8" Pup Joint
190	2-3/8" Tubing joints

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

20. 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.

## **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: SAN JUAN 29.5 UNIT #100

API/UNII 3003922534	Surface Legal Location NMMP-29N-05W-25-G	Field Name PC/MV DUAL	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical	Edit
Ground Elevation (ft) 6,795.00	Original KB/RT Elevation (ft) 6,808.00	KB-Ground Distance (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		

Well Config: Vertical - Original Hole, 9/28/2009 7:01:01 AM

