

Submit 3 Copies To Appropriate District  
Office  
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1625 N. French Dr , Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
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1000 Rio Brazos Rd , Aztec, NM 87410  
District IV  
1220 S. St Francis Dr , Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Jun 19, 2008

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. <b>30-039-07929</b>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <b>ConocoPhillips Company</b>		6. State Oil & Gas Lease No. E-346
3. Address of Operator P.O. Box 4289, Farmington, NM 87499-4289		7. Lease Name or Unit Agreement Name <b>San Juan 31-6 Unit</b>
4. Well Location Unit Letter <b>N</b> : <b>930</b> feet from the <b>South</b> line and <b>1540</b> feet from the <b>West</b> line Section <b>32</b> Township <b>31N</b> Range <b>6W</b> NMPM <b>Rio Arriba County</b>		8. Well Number <b>10</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6452' GR		9. OGRID Number <b>217817</b>
		10. Pool name or Wildcat <b>Blanco Mesaverde</b>

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Burlington Resources requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics.

Notify NMOCD 24 hrs  
prior to beginning  
operations

Spud Date:

Rig Released Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Dollie L. Busse* TITLE Staff Regulatory Technician DATE 5/21/12

Type or print name Dollie L. Busse E-mail address: dollie.l.busse@conocophillips.com PHONE: 505-324-6104

**For State Use Only**

APPROVED BY: *[Signature]* TITLE Deputy Oil & Gas Inspector,  
District #3 DATE 5/29/12

Conditions of Approval (if any):

*A*

RCVD MAY 21 '12

OIL CONS. DIV.

DIST. 3

**ConocoPhillips**  
**SAN JUAN 31-6 UNIT 10**  
**Expense - P&A**

Lat 36° 51' 4.787" N

Long 107° 29' 22.2" W

**PROCEDURE**

**Note:** All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II mixed at 15.6 ppg with a 1.18 cf/sk yield **Plugs subject to change per CBL. This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.**

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 P&A rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.
3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.
4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, as necessary, and at least pump tubing capacity of water down tubing.
5. ND wellhead and NU BOPE. Pressure and function test BOP. PU and remove tubing hanger.
6. TOOH with tubing.

<b>Tubing:</b>	Yes	<b>Size:</b>	2-3/8"	<b>Length:</b>	5,780
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7. TIH and tag for fill, adding additional joints as needed. If fill is tagged, utilize air package to 5,300'. TOOH with 2-3/8" tubing (per pertinent data sheet).

8. RIH with 5", 10.5# CR and set at 5,300'. Load 5" casing and hold at 500# during CBL. Run a CBL to confirm top of cement (3,546' from 75% eff. calc). Contact engineer with new TOC.

**9. Plug #1 (Mesa Verde perforations & formation top, 5,300' - 5,200'):**

Pressure test tubing to 1,000#. Mix 15 sx Class B cement and spot a plug inside the casing above CR to isolate the Mesa Verde perforations and formation top. PUH.

**10. Plug #2 (Chacra formation top, 4,580' - 4,480'):**

Mix 15 sx Class B cement and spot a cement plug inside casing to isolate the Chacra formation top. WOC and POOH.

11. RU free-point and cut production casing at 3,350. POOH and LD cut 5" production casing. If casing does not cut low or won't POOH, call Rig Superintendent and Area 8 Production Engineer for plan forward.

12. Run 7" mill to top of 5" liner. If unable to reach top of liner, contact Rig Superintendent and Area 8 Production Engineer for plan forward.

13. Hold the 7" casing at 500# during the CBL. Run a CBL to confirm top of cement (2,445' from 75% eff. calc) and pull to surface. Contact engineer with new TOC. TOOH.

**14. Plug #3 (Intermediate Shoe, Liner top, and Pictured Cliffs formation top, 3,672' - 3,220'):**

Mix 97 sx Class B cement and spot a cement plug inside the casing to isolate the Intermediate Shoe, Liner top, and Pictured Cliffs formation top. PUH.

**15. Plug #4 (Fruitland formation top, 2,980' - 2,880'):**

Mix 29 sx Class B cement and spot a cement plug inside casing to isolate the Fruitland formation top. PUH.

**16. Plug #5 (Kirtland formation top, 2,540' - 2,445'):**

Mix 28 sx Class B cement and spot a cement plug inside casing to isolate the Kirtland formation top. POOH.

**17. Plug #6 (Ojo Alamo formation and top, 2,445' - 2,320'):**

Perforate 3 HSC holes at 2,445'. Set CR at 2,370'. TIH with tubing and sting into CR. Establish injection rate into squeeze holes. Mix 66 sx Class B cement. Sqz 32 sx Class B cement into HSC holes and leave 34 sx cement inside casing to isolate the Ojo Alamo formation top. POOH.

**18. Plug #7 (Nacimiento formation top, 1,116' - 1,016'):**

Perforate 3 HSC holes at 1,116'. Set CR at 1,066'. TIH with tubing and sting into CR. Establish injection rate into squeeze holes and attempt to circulate to surface. If circulation to surface is established, mix 297 sx Class B cement and squeeze 268 into the HSC holes and leave 29 sx inside the casing. If unable to establish circulation to surface, Mix 58 sx Class B cement and squeeze 29 sx Class B cement into HSC holes and leave 29 sx cement inside casing to isolate the Nacimiento formation top. POOH.

**19. Plug #8 (Surface casing shoe and surface plug, 264' - Surface):**

If circulation was established in step 18 and cement was pumped to surface, connect the pump line to the bradenhead valve and attempt to pressure test the BH annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix 61 sx Class B cement and spot a balanced plug inside the casing from 264' to surface, circulate good cement out casing valve. If unable to establish circulation in step 18, perforate 3 HSC holes at 264'. Establish circulation out bradenhead with water and circulate BH annulus clean. Mix 136 sx Class B cement and pump down production casing to circulate good cement out bradenhead. Shut in well and WOC.

21. Nipple down BOP and cut off casing below the casing flange. Pour cement down bradenhead annulus until filled with cement to surface. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location to its natural state.

# Current Schematic

ConocoPhillips

Well Name: SAN JUAN 31-6 UNIT #10

API/UMI 3003907929	Surface Legal Location NMPM-31N-06W-32-N	Field Name MV	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical	Edit
Ground Elevation (ft) 6,452.00	Original KB/RT Elevation (ft) 6,465.00	KB-Ground Distance (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		

Well Config. Vertical - Original Hole, 3/19/2012 7:31:59 AM

ftKB (MD)	ftKB (TVD)	Schematic - Actual	Frm Final
13			
213			
214			
1,066			NACIMIENTO, 1,066
2,370			OJO ALAMO, 2,370
2,445			
2,490			KIRTLAND, 2,490
2,930		Tubing, 2 3/8in, 4.70lbs/ft, J-55, 13 ftKB, 5,777 ftKB	FRUITLAND, 2,930
3,270			PICTURED CLIFFS, 3,270
3,508			LEWIS, 3,508
3,546			
3,621			
3,622			
4,530			CHACRA, 4,530
5,350			CLIFF HOUSE, 5,350
5,393			MENEFEE, 5,393
5,651		Perforated, 5,350-5,838, 9/8/1956	POINT LOOKOUT, 5,651
5,777			
5,780		Perf Nipple, 2 3/8in, 4.70lbs/ft, J-55, 5,777 ftKB, 5,780 ftKB	
5,838			
5,853			
5,854		TD, 5,854, 5/31/1956	
			PRODUCTION CASING CEMENT, 3,546-5,854, 5/31/1956, Cemented with 200 sx, TOC estimated via 75% eff. calc. Production Casing, 5in, 4.560in, 13 ftKB, 5,854 ftKB
			INTERMEDIATE CASING CEMENT, 2,445-3,622, 5/26/1956, Cemented with 200 sx, TOC estimated via 75% eff. calc. Intermediate Casing, 7in, 6.456in, 13 ftKB, 3,622 ftKB
			SURFACE CASING CEMENT, 13-214, 5/22/1956, Cemented with 150 sx, circulated to surface. Surface Casing, 9 5/8in, 8.921in, 13 ftKB, 214 ftKB

Proposed Schematic

ConocoPhillips

Well Name: SAN JUAN 31-6 UNIT #10

API/ UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type	Edit
3003907929	NMPM-31N-06W-32-N	MV		NEW MEXICO	Vertical	
Ground Elevation (ft)	Original RST Elevation (ft)	IS- Ground Distance (ft)	IS- Casing Flange Distance (ft)	IS- Tubing Hanger Distance (ft)		
6,452.00	6,465.00	13.00				

