

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 1301 W. Grand Ave., Artesia, NM 88210  
 District III  
 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

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

WELL API NO. <b>30-045-08934</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. FEE
7. Lease Name or Unit Agreement Name <b>Martin 34</b>
8. Well Number <b>2</b>
9. OGRID Number <b>217817</b>
10. Pool name or Wildcat <b>Basin DK</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>5760' GR</b>

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (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.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
**ConocoPhillips Company**

3. Address of Operator  
P.O. Box 4289, Farmington, NM 87499-4289

4. Well Location  
 Unit Letter **O** : **990** feet from the **South** line and **1850** feet from the **East** line  
 Section **34** Township **30N** Range **11W** NMPM **San Juan County**

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> OTHER: <input type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>
--	---

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.

ConocoPhillips requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. A Closed Loop System will be used on Location for this P&A

**Notify NMOCD 24 hrs  
 prior to beginning  
 operations**

**OIL CONS. DIV DIST. 3  
 JUN 04 2015**

*Move Marcos plug to 4850-4950  
 Move Mesa Verde to 3590-3690*

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

SIGNATURE Arleen White TITLE Staff Regulatory Technician DATE 6/4/15

Type or print name Arleen White E-mail address: arleen.r.white@conocophillips.com PHONE: 505-326-9517

**For State Use Only**

APPROVED BY: [Signature] TITLE **DEPUTY OIL & GAS INSPECTOR** DISTRICT **#3** DATE 6-11-15  
 Conditions of Approval (if any):

*Handwritten initials and numbers:*  
 KCP  
 11/6  
 5

**ConocoPhillips**  
**MARTIN 34 2**  
**Expense - P&A**

Lat 36° 45' 50.396" N

Long 107° 58' 29.964" W

**PROCEDURE**

**NOTE:**

**This project requires 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. **Before RU, run WL remove downhole equipment. If an obstruction is found, set a locking-3-slip-stop in the tubing.**

2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in Wellview. **If there is pressure on the BH, contact the Wells Engineer.**

3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.

4. ND wellhead and NU BOPE. Pressure and function test BOP to 250 psi low and 1,000 psi over SICP high to a maximum of 2,000 psi held and charted for 10 minutes as per COP Well Control Manual. PU and remove tubing hanger

5. TOOH with tubing (per pertinent data sheet).

**Tubing size:** 2-1/16" 3.25# J-55

**Set Depth:** 6,555'

**KB:** 11'

6. PU 2-3/4" bit and watermelon mill and round trip as deep as possible above top perforation and 3-1/2" liner shoe at 6,412'.

**NOTE: 3-1/2" liner shoe @ 3,412'**

7. PU 3-1/2" CR on tubing, and set a 6,382'. Pressure test tubing to 1,000 psi. Sting out of CR. Load hole, and pressure test casing to 800 psi. *If casing does not test, then spot or tag subsequent plugs as appropriate.* POOH w/ tubing.

8. RU wireline and run CBL with 500 psi on casing from CR to surface to identify TOC. *Adjust plugs as necessary for new TOC. Email log copy to Troy Salyers (BLM) at [tsalyers@blm.gov](mailto:tsalyers@blm.gov) and Brandon Powell (NMOCD) at [brandon.powell@state.nm.us](mailto:brandon.powell@state.nm.us) upon completion of logging operations.*

**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 Class B mixed at 15.6 ppg with a 1.18 cf/sk yield.**

**9. Plug 1 - (Dakota Perforations, Production Liner Shoe, Dakota and Graneros Formation Tops, 6,282 - 6,382', 8 Sacks Class B Cement)**

Mix 8 sx Class B cement and spot a balanced plug inside the casing to cover the Dakota perforations, Production Liner Shoe and the Dakota and Graneros formation tops. POOH.

**10. Plug 2 - (Gallup Formation Top, 5,580 - 5,680', 48 Sacks Class B Cement)**

RIH and perforate 3 squeeze holes at 5,680' through cemented 3-1/2" x 4-1/2" annulus to access the 4-1/2" x 7-7/8" open hole annulus. Establish injection rate into squeeze holes. RIH with a 3-1/2" CR and set at 5,630'. Mix 48 sx Class B cement. Squeeze 40 sx outside the 4-1/2" casing, leaving 8 sx inside the 3-1/2" casing to cover the Gallup formation top. PUH.

**11. Plug 3 - (Mancos Formation Top, 4,711-4,811', 8 Sacks Class B Cement)**

Mix 8 sx Class B cement and spot a balanced plug inside the 3-1/2" casing to cover the Mancos formation top. PUH.

**12. Plug 4 - (Mesaverde Formation Top, 3,682-3,782', 8 Sacks Class B Cement)**

Mix 8 sx Class B cement and spot a balanced plug inside the 3-1/2" casing to cover the Mesaverde formation top. POOH.

**13. Plug 5 - (Pictured Cliffs Formation Top, 2,016-2,116', 10 Sacks Class B Cement)**

RIH and perforate 3 squeeze holes at 2,116' through 3-1/2" casing to access the 3-1/2" x 4-1/2" annulus. Establish injection rate into squeeze holes. RIH with a 3-1/2" CR and set at 2,066'. Mix 10 sx Class B cement. Squeeze 6 sx outside the 3-1/2" casing, leaving 4 sx inside the 3-1/2" casing to cover the Pictured Cliffs formation top. POOH.

**14. Plug 6 - (Fruitland Formation Top, 1,445-1,545', 52 Sacks Class B Cement)**

RIH and perforate 3 squeeze holes at 1,545' through 3-1/2" x 4-1/2" annulus to access the 4-1/2" x 7-7/8" open hole annulus. Establish injection rate into squeeze holes. RIH with a 3-1/2" CR and set at 1,495'. Mix 52 sx Class B cement. Squeeze 40 sx outside the 4-1/2" casing, squeeze 4 sx into the 4-1/2" x 3-1/2" annulus, leaving 8 sx inside the 3-1/2" casing to cover the Fruitland formation top. POOH.

**15. Plug 7- (Ojo and Kirtland Formation Tops, 660-922', 25 Sacks Class B Cement)**

RIH and perforate 3 squeeze holes at 922' through 3-1/2" casing to access the 3-1/2" x 4-1/2" annulus. Establish injection rate into squeeze holes. RIH with a 3-1/2" CR and set at 872'. Mix 25 sx Class B cement. Squeeze 11 sx outside the casing, leaving 14 sx inside the casing to cover the Ojo and Kirtland formation tops. POOH.

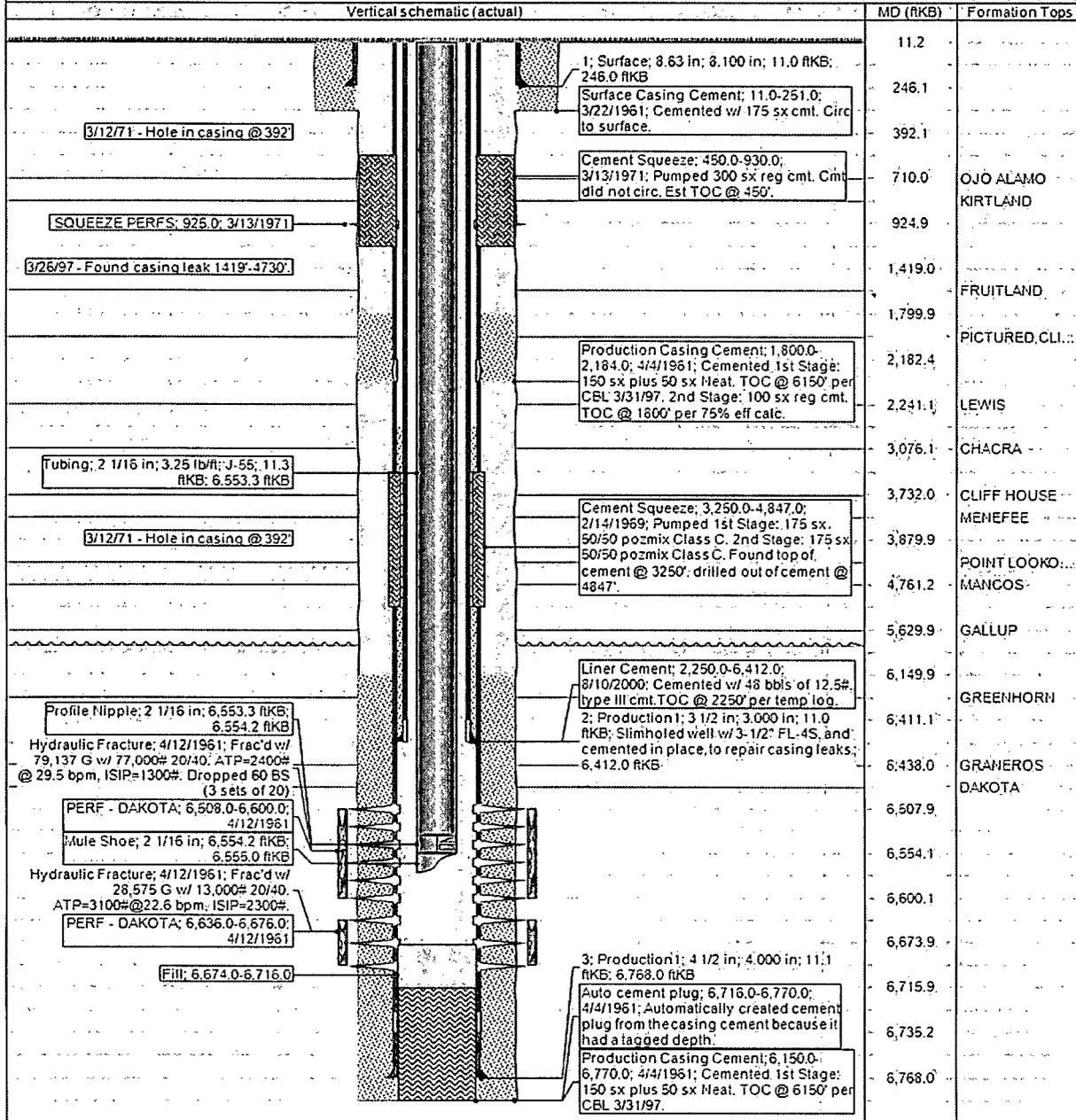
**16. Plug 8- (Surface Casing Shoe and Surface, 0-296', 203 Sacks Class B Cement)**

RU WL and perforate 4 big hole charge (if available) squeeze holes at 296' through 3-1/2" casing to access the 3-1/2" x 4-1/2" casing annulus as well as the 8-5/8" x 4-1/2" annulus. TOO and RD wireline. Observe well for 30 minutes per BLM regulations. RU pump, close blind rams and establish circulation out bradenhead with water. Circulate BH clean. TIH with 3-1/2" CR and set at 246'. Mix 189 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. Sting out of CR and reverse circulate cement out of tubing. TOO and LD stinger. TIH with open ended tubing to 246'. Mix 14 sx Class B cement and pump inside plug. TOO and LD Tubing. SI well and WOC.

17. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

District NORTH	Field Name DK	API / UWI 3004508934	County SAN JUAN	State/Province NEW MEXICO
Original Spud Date 3/21/1961	Surface Legal Location NMPM-30N-11W-34-O	East/West Distance (ft) 1,850.00	East/West Reference E	North/South Distance (ft) 990.00
North/South Reference S				

Vertical - Original Hole, 4/28/2015 6:54:22 AM



**ConocoPhillips**  
Well Name: MARTIN 34 #2

**Proposed Schematic**

API/UVI 3004508934	Surface Leg Location NIMPIA-30N-11W-34-O	Field Name DK	License No.	State Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 5,760.00	Original KB/BV Elevation (ft)	KB-Ground Distance (ft) 5,771.00	KB-Casing Flange Distance (ft) 11.00	KB-Top of Hole Distance (ft) 5,771.00	

**Vertical - Original Hole, 1/1/2020**

