

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

Form C-103  
Jun 19, 2008

WELL API NO.

30-045-07721

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name  
State Com AC

8. Well Number 25

9. OGRID Number

217817

10. Pool name or Wildcat

Aztec Fruitland Coal

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 M : 1090 feet from the South line and 1290 feet from the West line

Section 36 Township 29N Range 11W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

5715' GR

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.

The subject well is part of the proposed Mangum SRC 1 P&A program. The attached revised procedure replaces the procedure filed with the P&A NOI submitted on 3/23/2016.

Notify NMOCD 24 hrs  
prior to beginning  
operations

OIL CONS. DIV DIST. 3

Spud Date:

Rig Released Date:

MAY 18 2016

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

SIGNATURE

Dollie L. Busse

TITLE

Regulatory Technician

DATE

5/16/16

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:

Paul Bell

TITLE

DEPUTY OIL & GAS INSPECTOR

DATE

6/1/16

Conditions of Approval (if any):

DISTRICT #3

5 PC  
plw



**ConocoPhillips**  
**STATE COM AC 25**  
**Expense - P&A**

Lat 36° 40' 41.38" N

Long 107° 56' 49.848" W

**PROCEDURE**

This project requires the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

Prior to commencing abandonment operations, ensure that the bradenhead valve is dug out and properly plumbed to the surface. Record the casing, intermediate and bradenhead pressures with an appropriately ranged gauge. Contact the Engineer if bradenhead pressure is present (per Exhibit "A-3").

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COP safety and environmental regulations. Test rig anchors prior to moving in rig. Before RU, run slickline to 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 (per Exhibit "A-3").

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 1000 psi over SICP high to a maximum of 2000 psi held and charted for 10 minutes per COP Well Control Manual. PU and remove tubing hanger.

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

Tubing size: 1.315" 1.8# J-55 EUE

Set Depth: 1,717'

KB: 12'

6. PU 4-3/4" bit and watermelon mill and round trip as deep as possible above top perforation at 1,662'.

7. PU 5-1/2" CR on tubing, and set at 1,612'. Pressure test tubing to 1000 psi. Sting out of CR. Load hole, and pressure test casing to 800 psi. If casing does not test, spot or tag subsequent plugs as appropriate. POOH with tubing.

8. RU wireline and run CBL with 500 psi on casing from CR at 1,612' to surface to identify TOC. Adjust plugs as necessary for new TOC. Email log copy to Wells Engineer, 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 - Fruitland Formation Top, 1357' - 1612', 36 Sacks Class B Cement

Mix 36 sx Class B cement and spot a balanced plug inside the casing to cover the Fruitland top and Fruitland perforations. PUH.

10. Roll the hole with water and ensure that the wellbore is in a stabilized condition with no flow of gas and/or water before spotting the next plug. If flow occurs, the fluid weight must be increased until a stabilized condition is established (per Exhibit "A-3").

11. Cease operations for 30 minutes allowing the bradenhead to be observed for pressure build. Record pressures with crystal gauge for accuracy. If pressures are observed, notify Wells Engineer and Production Engineering for path-forward discussion with NMOCD (per Exhibit "A-3").

12. Plug 2 - Ojo Alamo and Kirtland Formation Tops, 625' - 873', 142 Sacks Class B Cement

RIH and perforate 3 squeeze holes at 873'. Establish injection rate into squeeze holes. RIH with a 5-1/2" CR and set at 823'. Mix 142 sx Class B cement. Squeeze 107 sx outside the casing, leaving 35 sx inside the casing to cover the Ojo Alamo and Kirtland tops. POOH.

13. Plug 3 - Surface Plug, 0' - 181', 134 Sacks Class B Cement

RU WL and perforate 4 big hole charge (if available) squeeze holes at 181'. TOOH 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 5-1/2" CR and set at 107'. Mix 107 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. TOOH and LD stinger. TIH with open ended tubing to 131'. Mix 27 sx Class B cement and pump inside plug. TOOH and LD Tubing. SI well and WOC.

14. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. RDMO.

### **Exhibit "A-3"**

To Final Agreement - Withdrawal of Notice of Violation (3-15-02)  
dated May 4, 2016 from ConocoPhillips Company to NMOCD

### **Updated Abandonment Procedures**

The following procedural changes will be required for the P&A Program:

- 1) Prior to commencing abandonment operations, ensure that the bradenhead valve is dug out and properly plumbed to the surface. Record the casing, intermediate and bradenhead pressures with an appropriately ranged gauge. Contact the Engineer if bradenhead pressure is present. After the last set of completion perforations are abandoned with cement, roll the hole with water and ensure that the wellbore is in a stabilized condition with no flow of gas and/or water before spotting the next plug. If flow occurs, the fluid weight must be increased until a stabilized condition is established.
- 2) Following the plug over the Fruitland Formation Top, and prior to the plug over the Kirtland and Qjq Alamo Tops:
  - a. Operations will cease for 30 minutes allowing the Bradenhead to be observed for pressure build.
  - b. Pressures will be recorded with a crystal gauge for accuracy.
  - c. If pressures are observed, notify Wells Engineer and Production Engineering for path-forward discussion with NMOCD.
- 3) Within 24 hours of the abandonment and after two weeks, BLM will check for the presence of gas at the base of the dry hole marker and at the weep hole. Note ambient weather conditions when recording the results. If gas is detected, contact the Engineer.
- 4) If a Cathodic Protection well is on the well pad, check for the presence of gas at the vent cap. If gas is present, record results in AFMSS and contact the Engineer.

Note: when checking any sample point for the presence of gas, please be prepared for the possibility of anomalous pressure and the H<sub>2</sub>S gas.



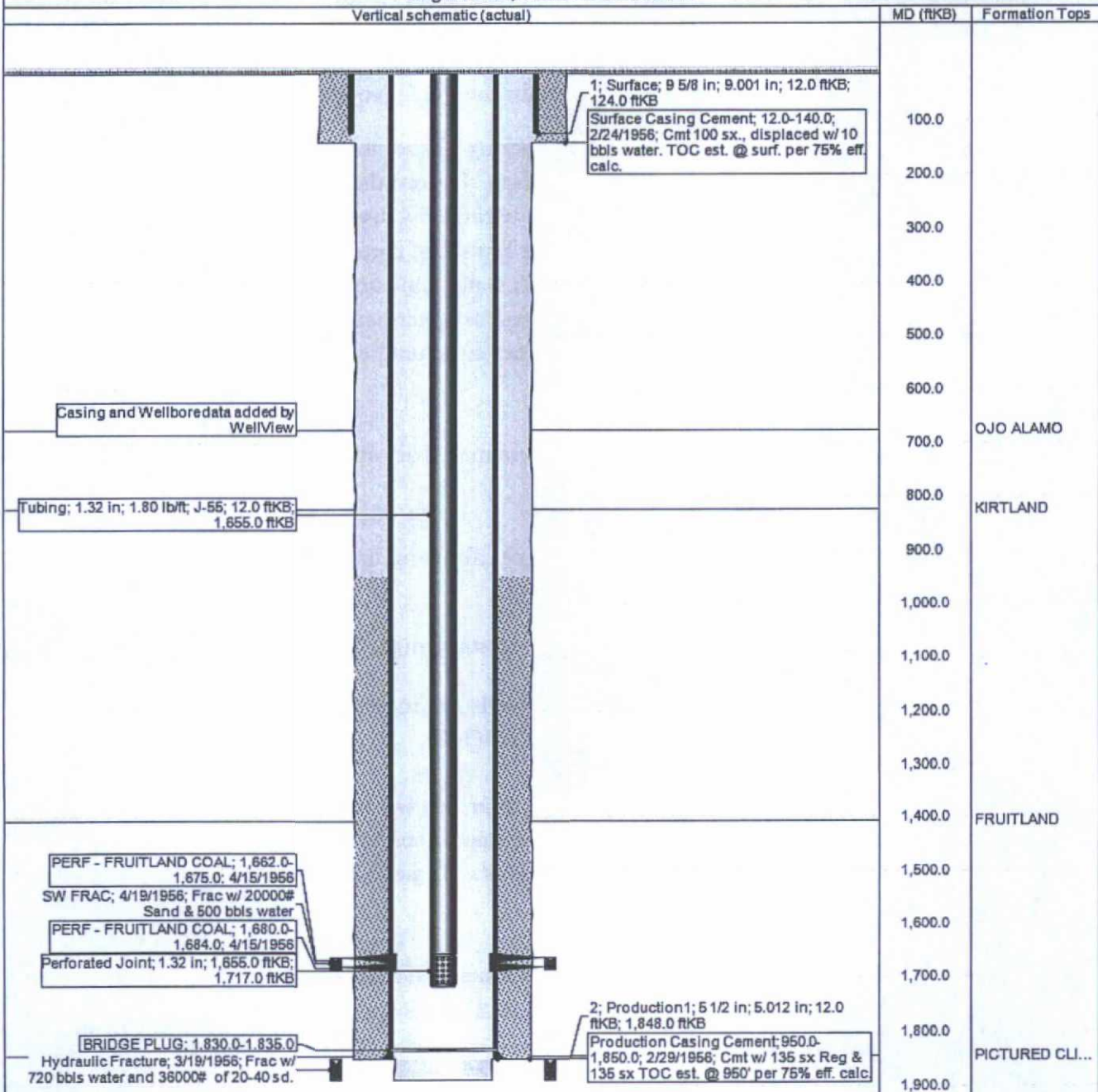


## Basic-Schematic - Current

STATE COM AC 25

District NORTH	Field Name FC	API / UWI 3004507721	County SAN JUAN	State/Province NEW MEXICO
Original Spud Date 2/24/1956	Surface Legal Location 03S-029N-011W-M	East/West Distance (ft) 1,290.00	East/West Reference FWL	North/South Distance (ft) 1,090.00
North/South Reference FSL				

Original Hole, 2/26/2016 2:08:06 PM



District NORTH	Field Name FC	API / UWI 3004507721	County SAN JUAN	State/Province NEW MEXICO
Original Spud Date 2/24/1956	Surface Legal Location 036-029N-011W-M	East/West Distance (ft) 1,290.00	East/West Reference FWL	North/South Distance (ft) 1,090.00
				North/South Reference FSL

Original Hole, 1/1/2020 5:00:00 AM

Vertical schematic (actual)	MD (ftKB)	Formation Tops
	12.1	
	107.0	
	108.9	
	123.0	
	124.0	
	140.1	
	181.1	
	625.0	
	656.2	
	674.9	OJO ALAMO
	823.2	KIRTLAND
	825.1	
	873.0	
	950.1	
	1,357.0	
	1,407.2	FRUITLAND
	1,611.9	
	1,613.8	
	1,662.1	
	1,674.9	
	1,680.1	
	1,684.1	
	1,830.1	
	1,835.0	
	1,845.1	PICTURED CL...
	1,846.1	
	1,847.1	
	1,848.1	
	1,849.1	
	1,850.1	
	1,888.1	

Cement Retainer: 107.0-109.0

SQUEEZE PERFS: 181.0; 1/1/2020

Casing and Wellbore data added by WellView

Cement Retainer: 823.0-825.0

SQUEEZE PERFS: 873.0; 1/1/2020

Cement Retainer: 1,612.0-1,614.0

PERF - FRUITLAND COAL; 1,662.0-1,675.0; 4/15/1956  
SW FRAC; 4/19/1956; Frac w/ 20000# Sand & 500 bbls water

PERF - FRUITLAND COAL; 1,680.0-1,684.0; 4/15/1956

BRIDGE PLUG: 1,830.0-1,835.0

Hydraulic Fracture; 3/19/1956; Frac w/ 720 bbls water and 36000# of 20-40 sd.

Plug 3; 12.0-181.0; 1/1/2020; Mix 107 sx Class B cement and squeeze until good cement returns to surface out BH valve. Mix 27 sx Class B cement and pump inside plug  
1; Surface; 9 5/8 in; 9.001 in; 12.0 ftKB; 124.0 ftKB  
Surface Casing Cement; 12.0-140.0; 2/24/1956; Cmt 100 sx., displaced w/ 10 bbls water. TOC est. @ surf. per 75% eff. calc.

Plug 3; 12.0-181.0; 1/1/2020; Mix 107 sx Class B cement and squeeze until good cement returns to surface out BH valve. Mix 27 sx Class B cement and pump inside plug

Plug 2; 625.0-873.0; 1/1/2020; Mix 142 sx Class B cement, squeeze 107 sx outside the casing and leave 35 sx inside the casing

Plug 2; 625.0-873.0; 1/1/2020; Mix 142 sx Class B cement, squeeze 107 sx outside the casing and leave 35 sx inside the casing

Plug 1; 1,357.0-1,612.0; 1/1/2020; Mix 36 sx of Class B cement and spot a balanced plug inside the casing.

2; Production 1; 5 1/2 in; 5.012 in; 12.0 ftKB; 1,848.0 ftKB

Production Casing Cement; 950.0-1,850.0; 2/29/1956; Cmt w/ 135 sx Reg & 135 sx TOC est. @ 950' per 75% eff. calc.