

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 23 2015

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

2. Name of Operator

ConocoPhillips Company

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)

(505) 326-9700

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit G (SWNE), 1850' FNL & 1850' FEL, Sec. 2, T25N, R4W

5. Lease Serial No.

Contract 121

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

AXI Apache N 13

9. API Well No.

30-039-21428

10. Field and Pool or Exploratory Area

Blanco Mesaverde

11. Country or Parish, State

Rio Arriba

New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

ConocoPhillips Company requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. A closed loop system will be utilized for this P&A.

Notify NMOCD 24 hrs
prior to beginning
operations

BLM'S APPROVAL OR ACCEPTANCE OF THIS
ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

OIL CONS. DIV DIST. 3

OCT 06 2015

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Crystal Walker

Regulatory Coordinator

Title

Signature

Crystal Walker

Date

9/22/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Jack Savage

Title PE

Date 10/1/15

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office FFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instruction on page 2)

NMOCD

5

ConocoPhillips
AXI APACHE N 13
Expense - P&A

Lat 36° 25' 50.156" N

Long 107° 13' 6.672" 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.

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: 2-3/8" 4.7# J-55 EUE

Set Depth: 5,996'

KB: 12'

6. PU 4-3/4" bit and watermelon mill and round trip as deep as possible above top perforation at 5,966'.

7. PU 5-1/2" CR on tubing, and set a 5,916'. 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 and Brandon Powell (NMOCD) at 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 (Mesa Verde Formation and Perforations , 5816-5916', 17 Sacks Class B Cement)

Mix 17 sx Class B cement and spot a balanced plug inside the casing to cover the Mesa Verde formation top. PUH.

10. Plug 2 (Pictured Cliffs, Fruitland, Ojo Formation Tops, 3294-3887', 73 Sacks Class B Cement)

Mix 73 sx Class B cement and spot a balanced plug inside the casing to cover the Pictured Cliffs, Fruitland, Ojo formation tops. POOH.

11. Plug 3 (Nacimiento Formation Top , 1910-2010', 47 Sacks Class B Cement)

RIH and perforate 3 squeeze holes at 2,010'. Establish injection rate into squeeze holes. RIH with a 5-1/2" CR and set at 1,960'. Mix 47 sx Class B cement. Squeeze 30 sx outside the casing, leaving 17 sx inside the casing to cover the Nacimiento formation top. POOH.

12. Plug 4 (Surface Plug, 0-562', 170 Sacks Class B Cement)

RU WL and perforate 4 squeeze holes at 562'. 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. Mix 170 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. SI well and WOC.

13. 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.



Schematic - Current

AXI APACHE N #13

District SOUTH	Field Name PC/MV COM	API / UWI 3003921428	County RIO ARRIBA	State/Province NEW MEXICO
Original Spud Date 6/14/1977	Surface Legal Location NMPM-25N-04W-02-G	East/West Distance (ft) 1,850.00	East/West Reference FEL	North/South Distance (ft) 1,850.00
		North/South Reference FNL		

Vertical - Original Hole, 8/10/2015 2:00:16 PM

Vertical schematic (actual)		MD (ftKB)	Formation Tops
		12.1	
1; Surface; 8 5/8 in; 8.097 in; 12.0 ftKB; 512.0 ftKB	Surface Casing Cement; 12.0-520.0; 6/15/1977; Cemented w/ 160 sx Class B, followed by 150 sx Class B. Cmt circ.	520.0	
		1,960.0	NACIMIENTO
		3,001.0	
		3,344.2	OJO ALAMO
		3,522.0	FRUITLAND/KI...
		3,836.9	PICTURED CLI...
PERF - PICTURED CLIFFS; 3,838.0-3,894.0; 9/7/1977	Cement Squeeze; 3,838.0-3,894.0; 5/6/1992; Sqz'd PC Perfs w/ 200 sxs. Test and Held @ 1300#.	3,837.9	
		3,894.0	
		3,969.2	LEWIS
		4,270.0	HUERFANITO...
		4,763.1	CHACRA
		4,814.0	
		5,450.1	CLIFF HOUSE
		5,603.0	MENEFEE
		5,965.9	
		5,970.1	POINT LOOKO...
Seating Nipple; 2 3/8 in; J-55; 5,995.0 ftKB; 5,996.0 ftKB		5,995.1	
PERF - MESAVERDE; 5,966.0-6,036.0; 5/8/1992		5,996.1	
Tubing; 2 3/8 in; 4.70 lb/ft; J-55; Land @ 6027'; 5,996.0 ftKB; 6,027.0 ftKB		6,017.1	
Bumper Spring (broken); 6,017.0-6,027.0		6,026.9	
		6,036.1	
		6,058.1	
PERF - MESAVERDE; 6,058.0-6,132.0; 7/8/1977		6,131.9	
		6,145.0	
FILL; 6,145.0-6,210.0	Production Casing Cement; 4,814.0-6,258.0; 6/26/1977; Cemented 1st stage; 115 sx lite cmt, followed w/ 245 sx Class B. Circ to surface.	6,210.0	
		6,257.9	
2; Production1; 5 1/2 in; 4.950 in; 12.0 ftKB; 6,256.0 ftKB	Auto cement plug; 6,210.0-6,258.0; 6/26/1977; Automatically created cement plug from the casing cement because it had a tagged depth.		

Proposed Schematic

API / UWI 3003921428	Surface Legal Location NMPM-25N-04W-02-G	Field Name PC/MV COM	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 7,300.00	Original KS/RT Elevation (ft) 7,312.00	KS-Ground Distance (ft) 12.00	KS-Casing Hanger Distance (ft) 7,312.00	KS-Tubing Hanger Distance (ft) 7,312.00	

Vertical - Original Hole, 1/1/2020

Vertical schematic (actual)	MD (ftKB)	Formation Tops
<p>Plug #4; 12.0-562.0; 1/1/2020</p> <p>1: Surface; 8 5/8 in; 8.097 in; 12.0 ftKB; 512.0 ftKB</p> <p>Surface Casing Cement; 12.0-520.0; 6/15/1977; Cemented w/ 160 sx Class B, followed by 150 sx Class B. Cmt circ.</p> <p>PERF - OTHER: 562.0; 1/1/2020</p> <p>Plug #4; 12.0-562.0; 1/1/2020; Mix 170 sx Class B cement & squeeze until good cement returns to surface out BH valve.</p> <p>Cement Retainer; 1,960.0-1,963.0</p> <p>Plug #3; 1,910.0-2,010.0; 1/1/2020</p> <p>PERF - OTHER: 2,010.0; 1/1/2020</p> <p>Plug #3; 1,910.0-2,010.0; 1/1/2020; Mix 47 sx Class B cement. Squeeze 30 sx outside casing leaving 17 sx inside casing to cover Nacimiento formation top.</p> <p>Cement Squeeze; 3,838.0-3,894.0; 5/6/1992; Sq'd PC Perfs w/ 200 sxs. Test and Held @ 1300#.</p> <p>PERF - PICTURED CLIFFS; 3,838.0-3,894.0; 9/7/1977</p> <p>Plug #2; 3,294.0-3,887.0; 1/1/2020; Mix 73 sx Class B cement spot balanced plug inside casing to cover Pictured Cliffs, Fruitland, Ojo Alamo formation tops.</p> <p>Hydraulic Fracture; 9/7/1977; Frac w/ 43,512 G 2% KCL 70Q Foam + 62,500# 20/40 sd. AIR= 25 bpm @ 2150#. ISIP 2150#</p> <p>Cement Retainer; 5,916.0-5,919.0</p> <p>Hydraulic Fracture; 5/14/1992; 5,000 G pad treat water. Frac w/ 48,000 G treat water + 51,000# sd. AIR= 18 bpm @ 2500#. ISIP 2900#</p> <p>Hydraulic Fracture; 7/9/1977; Acidize w/ 1,500 G + 34 BS + 2,436 G Surfactant. AIR= 8 bpm @ 2000#. Frac w/ 30,000 G X-Link fluid + 75,000# 20/40 sd. AIR= 30 bpm @ 600#. ISIP 300#</p> <p>Acid Squeeze; 8/16/1977; Acidize w/ 4,000 G + 86,000 SCF N2 (staged w/ 2% KCL slick water) AIR= 6 bpm @ 2800#</p> <p>FILL; 6,145.0-6,210.0</p>	<p>12.1</p> <p>511.2</p> <p>512.1</p> <p>520.0</p> <p>562.0</p> <p>1,910.1</p> <p>1,960.0</p> <p>1,962.9</p> <p>2,009.8</p> <p>3,001.0</p> <p>3,294.0</p> <p>3,344.2</p> <p>3,522.0</p> <p>3,836.9</p> <p>3,837.9</p> <p>3,887.1</p> <p>3,894.0</p> <p>3,969.2</p> <p>4,270.0</p> <p>4,763.1</p> <p>4,813.0</p> <p>4,814.0</p> <p>5,450.1</p> <p>5,603.0</p> <p>5,815.9</p> <p>5,916.0</p> <p>5,919.0</p> <p>5,965.9</p> <p>5,970.1</p> <p>6,036.1</p> <p>6,058.1</p> <p>6,131.9</p> <p>6,145.0</p> <p>6,202.1</p> <p>6,210.0</p> <p>6,254.9</p> <p>6,255.9</p> <p>6,257.9</p>	<p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>NACIMIENTO</p> <p></p> <p></p> <p></p> <p>OJO ALAMO</p> <p>FRUITLAND/KIRTLAND</p> <p>PICTURED CLIFFS</p> <p></p> <p></p> <p>LEWIS</p> <p>HUERFANITO BENTON...</p> <p>CHACRA</p> <p></p> <p>CLIFF HOUSE</p> <p>MENELEE</p> <p></p> <p></p> <p>POINT LOOKOUT</p> <p></p> <p></p> <p></p> <p></p>

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: AXI Apache N 13

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
 - a) Set Plug #1 (5480-4711) ft. to cover the Mesaverde top. BLM picks top of Chacra at 4761 ft.
 - b) Set Plug #3 (2138-2038) ft. inside/outside to cover the Nacimiento top. BLM picks top of Nacimiento at 2088 ft.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: tsalyers@blm.gov Brandon.Powell@state.nm.us

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.