

RECEIVED

Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 13 2012

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010Farmington Field Office
Bureau of Land Management

5. Lease Serial No

C-121

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

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

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

8. Well Name and No.

AXI Apache N 15A

9 API Well No.

30-039-21840

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

Surface

Unit O (SWSE), 990' FSL & 1650' FEL, Sec. 11, T25N, R4W

10 Field and Pool or Exploratory Area

Blanco Mesaverde / Blanco PC South

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 recompleat 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 recompleat 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 requests permission to P&A the subject well per the attached procedure, current and proposed wellbore diagram.

Notify NMOCD 24 hrs
prior to beginning
operations

* Submit CBL for review prior to placing cement on first Plug.
Add Chacra plug from 4596 - 4696

RCVD JUN 20 '12
OIL CONS. DIV.
DIST. 3

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

Dollie L. Busse

Title Staff Regulatory Technician

Signature

Date

6/12/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

JUN 18 2012

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

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 A

ConocoPhillips
AXI APACHE N 15A
Expense - P&A

Lat 36° 24' 34.2" N

Long 107° 13' 4.44" W

PROCEDURE

Note: 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. 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. **Plug depths may change per CBL.**

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. Function and pressure test BOP. PU and remove tubing hanger.

6. TOOH with tubing/rods (per pertinent data sheet).

Rods:	No	Size:		Length:	
Tubing:	Yes	Size:	2-3/8"	Length:	5,985'
Packer: Yes (Fish; Do not retrieve)		Size:	4-1/2"	Depth:	6,088'

7. Round trip casing scraper through top Mesa Verde perforation (5,916'). PU RBP and packer and isolate interval $\pm$ 3,800' - 5,900'. Pressure test tubing to 1000 psi. Pressure test casing to 800 psi. Release packer, set at $\pm$ 3,725' and pressure test casing (to surface) to 800 psi. If casing passes both pressure tests, RD & MOL. If casing does not test, then spot and tag subsequent plugs as necessary. Retrieve and LD down hole equipment.

8. RIH and set 4-1/2" cement retainer at 5,866'. Load hole and run CBL from top of cement retainer to surface.

9. Plug 1 (Mesa Verde perforations, 5,866'-5,766')

Mix 12 sx Class B cement and spot inside the casing above CR to isolate the Mesa Verde perforations. PUH.

10. Plug 2 (Mesa Verde formation top, 5,477'-5,377')

Mix 12 sx Class B cement and spot a balanced plug inside the casing to isolate the Mesa Verde formation top. POOH.

11. Plug 3 (Intermediate casing shoe and 4-1/2" liner top, 4,397'-4,206')

Perforate 3 HSC holes at 4397'. Set a cement retainer at 4347'. Establish injection rate into squeeze holes. Mix 53 sx Class B cement. Sqz 23 sx Class B cement into HSC holes and leave 30 sx cement inside casing to isolate the intermediate casing shoe and 4-1/2" liner top. POOH.

12. Plug 4 (Pictured Cliffs perforations & formation top, 3,695'-3,595')

Set CIBP at 3,695'. Mix 29 sx Class B cement and spot inside the casing above CIBP to isolate the Pictured Cliffs perforations and formation top. PUH.

3644 3147

13. Plug 5 (Fruitland, & Ojo Alamo formation tops, 3,468'-3,177')

Mix 64 sx Class B cement and spot a balanced plug inside the casing to isolate the Fruitland & Ojo Alamo formation tops. POOH.

1952 1852

14. Plug 6 (Nacimiento formation top, 1,942'-1,842')

Perforate 3 HSC holes at 1942'. Set a cement retainer at 1892'. Establish injection rate into squeeze holes. Mix 55 sx Class B cement. Sqz 26 sx Class B cement into HSC holes and leave 29 sx cement inside casing to isolate the Nacimiento formation top. POOH & LD tubing.

15. Plug 7 (Surface casing shoe and surface plug, 303'-Surface)

Perforate 3 HSC holes at 303'. Establish circulation out bradenhead with water and circulate BH annulus clean. Mix 122 sx Class B cement and pump down intermediate casing to circulate good cement out bradenhead. Shut in well and WOC.

16. 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.

Current Schematic

ConocoPhillips

Well Name: AXI APACHE N #15A

API/UVI 3003921840	Surface Legal Location NMPM-25N-04W-11-O	Field Name PCM/V COM	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical	Edit
Ground Elevation (ft) 7,247.00	Original KB/RT Elevation (ft) 7,261.00	KB-Cased Distance (ft) 14.00	KB-Casing Flange Distance (ft) 7,261.00	KB-Tubing Hanger Distance (ft) 7,261.00		

Well Config: Vertical - Original Hole, 6/11/2012 10:58:14 AM

ftKB (MD)	Schematic - Actual	Frm Final
14		
211		
212		
252	Tubing, 2 3/8in, 4.70lbs/ft, J-55, 14 ftKB, 5,984 ftKB	Casing cement, 14-253, 5/7/1979, 285 sx Class B cmt. Circulate to surface.
253	Hyd Frac-Gelledwater, 7/3/1979, Not mapped: stimulation.user2 =	Surface, 9 5/8in, 8.921in, 14 ftKB, 253 ftKB
256	Water, Not mapped:	
1,892	stimulation.user1 = Pictured	NACIMIENTO, 1,892
3,007	Cliffs. Frac w/ 62,617 G Gel fluid	
3,227	+ 105,000# 20/40 sd. AIR= 25	OJO ALAMO, 3,227
3,418	bpm @ 700#. ISIP 400#	FRUITLAND, 3,418
3,732	Acid Squeeze, 7/3/1979, Not	PICTURED CLIFFS, 3,732
3,745	mapped: stimulation.user2 = 7	
3,790	1/2% HCL Not mapped:	
3,800	stimulation.user1 = Pictured	
3,827	Cliffs. BD w/ 924 G + 16 BS.	
3,838	AIR= 25 bpm @ 900#	
4,256		LEWIS, 3,838
4,257	Liner Top @ 4256'	
4,302		
4,303		
4,344	Seating Nipple, 2 3/8in, 4.70lbs/ft, J-55, Land @ 5985' SN @	Casing cement, 3,827-4,347, 5/13/1979, 295 sx BJ Lite wt cmt tailed w/ 120 sx Class B
4,347	bottom, 5,984 ftKB, 5,985 ftKB	cmt. TOC @ 3827' (CBL, 6/29/79).
4,350	Hyd Frac-Gelledwater, 7/1/1979,	Intermediate1, 7in, 6.366in, 14 ftKB, 4,347
4,718	Not mapped: stimulation.user2 =	ftKB
5,427	Water Not mapped:	
5,497	stimulation.user1 = MV (PLO)	Cement Squeeze, 4,718-5,880, 6/29/1979,
5,880	Frac w/ 70,700 G Gel fluid w/	Sqz perfs @ 5880' w/ 150 sx Class H cmt.
5,910	additives + 152,000# 20/40 sd.	TOC @ 4718' (75% eff.)
5,916	AIR= 47 bpm @ 1200#. ISIP on	SQUEEZE PERFS, 5,880, 6/29/1979
5,984	Vacuum	
5,985	Acid Squeeze, 7/1/1979, Not	CLIFF HOUSE, 5,427
6,056	mapped: stimulation.user2 = 7	MENELEE, 5,497
6,088	1/2% HCL Not mapped:	
6,093	stimulation.user1 = MV (PLO) BD	POINT LOOKOUT, 5,910
6,125	w/ 1,680 G w/ 1000 G surfactant	
6,217	+ 30 BS. AIR= 27 bpm @ 1900#.	
6,310	ISIP 900#	
6,322		
6,323		
6,361		
6,362		
6,400		

Proposed Schematic

ConocoPhillips

Well Name: AXI APACHE N#15A

API/URN 3003921340	Service Agent Location NMPM-25N-04W-11-O	Field Name PCMV COM	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical	Edit
Ground Elevation (ft) 7,247.00	Original B.P. Elevation (ft) 7,261.00	IS-Ground Depth (ft) 14.00	IS-Casing Flange Depth (ft) 7,261.00	IS-Tooling Hanger Depth (ft) 7,261.00		

Well Config: Vertical - Critical Hole, 1/1/2023

ftKB (MD)	From Final	Schematic - Actual
14		Casing cement, 14-253, 5/11/1979, 285 sx Class B cmt. Circulate to surface
212		Plug #7, 14-303, 1/1/2020
253	Surface, 9.58in, 8.92in, 14 ftKB, 253 ftKB	Plug #7, 14-303, 1/1/2020, Mix 122 sx Class B cement and pump down intermediate casing to circulate good cement out bradenhead.
303	SQUEEZE PERFS, 303, 1/1/2020	Plug #6, 1,842-1,842, 1/1/2020, Mix 55 sx Class B cement, sqz 26 behind casing and leave 29 sx inside to isolate the Nacimiento formation top.
1,392	NACIMIENTO, 1,892	Cement Retainer, 1,892-1,893
1,342		SQUEEZE PERFS, 1,942, 1/1/2020
3,177		Plug #6, 1,842-1,842, 1/1/2020
3,418	CJO ALAMO, 3,227 FRUITLAND, 3,418	Plug #5, 3,177-3,468, 1/1/2020, Mix 64 sx Class B cement and spot a balanced plug inside the casing to isolate the Fruitland & Cjo Alamo formation tops.
3,595		Plug #4, 3,595-3,695, 1/1/2020, Mix 29 sx Class B cement and spot inside the casing above the CIBP to isolate the Pictured Cliffs perforations and formation top.
3,596	PICTURED CLIFFS, 3,732	Cement Squeeze, 3,007-3,600, 7/11/1979, Sqz perfs @ 3830' w/150 sx Class H cmt. TOC @ 3007' (75% eff.)
3,745		PERF - PICTURED CLIFFS, 3,745-3,790, 7/11/1979
3,300		SQUEEZE PERFS, 3,800, 6/29/1979
3,338	LEVIS, 3,838	Bridge Plug - Permanent, 3,695-3,696
4,256		Liner Top @ 4256'
4,302		Plug #3, 4,206-4,256, 1/1/2020
4,344	Intermediate 1, 7in, 6.366in, 14 ftKB, 4,347 ftKB	Casing cement, 3,827-4,347, 5/13/1979, 295 sx BJ Lite wt cmt tailed w/120 sx Class B cmt. TOC @ 3827' (CBL, 6/29/79).
4,348	Cement Retainer, 4,347-4,348	Plug #3, 4,256-4,397, 1/1/2020, Mix 53 sx Class B cement, sqz 23 sx behind casing and leave 30 sx inside to isolate the Intermediate casing shoe and liner top.
4,397		SQUEEZE PERFS, 4,397, 1/1/2020
4,545		Plug #3, 4,256-4,397, 1/1/2020
4,595		Plug #2, 5,377-5,477, 1/1/2020, Mix 12 sx Class B cement and spot a balanced plug inside the casing to isolate the Mesaverde formation top.
5,377	CLIFF HOUSE, 5,427	Plug #1, 5,766-5,866, 1/1/2020, Mix 12 sx Class B cement and spot inside the casing above CR to isolate the Mesaverde perforations.
5,477	MENEFEE, 5,497	Cement Retainer, 5,836-5,867
5,766		SQUEEZE PERFS, 5,880, 6/29/1979
5,367	PONT LOOKOUT, 5,910	PERF - MESAVERDE, 5,916-6,056, 7/11/1979
5,310		Fish 6,088-6,093, Baker Model "D" packer
5,384		Fill, 5,033-6,217
6,256		PBTD, 6,217
6,393		
6,217	MANCOS, 6,310	
6,322		Casing cement, 6,125-6,362, 5/18/1979, 210 sx BJ Lite wt cmt tailed w/165 sx Class B cmt. TOC @ 6125' (CBL, 5/18/79).
6,362	Production 1, 4 1/2in, 4.052in, 4,256 ftKB, 6,362 ftKB	Display Cement Fill, 6,362-6,400, 7/2/1979
6,400		TD, 6,400, 5/17/1979

**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: 15A AXI Apache N

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) Place the Fruitland/Kirtland/Ojo Alamo plug from 3644' – 3187'.
 - b) Place the Nacimiento plug from 1952' – 1852' inside and outside the 7" casing.

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.