

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED**NOV 02 2011**

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

2. **Name of Operator**

ConocoPhillips

3. **Address & Phone No. of Operator**

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. **Location of Well, Footage, Sec., T, R, M**

Unit C (NENW), 1150' FNL & 1545' FWL, Section 12, T25N, R4W, NMPM

Farmington Field Office
Bureau of Land Management

Contract 121
6. **If Indian, All. or Tribe Name**
Jicarilla Apache
7. **Unit Agreement Name**

8. **Well Name & Number**
AXI Apache N 16A

9. **API Well No.**
30-039-21982

10. **Field and Pool**
Blanco Mesaverde

11. **County and State**
Rio Arriba, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action	
☒ Notice of Intent	☒ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment	☐ Plugging	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut off
	☐ Altering Casing	☐ Conversion to Injection
		☐ Other - _____

13. Describe Proposed or Completed Operations

ConocoPhillips Company requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematic.

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

RCVD NOV 15 '11

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed Crystal Tafoya Crystal Tafoya Title Staff Regulatory Technician Date 11/2/11

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title _____ Date NOV 08 2011
CONDITION OF APPROVAL, if any:

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

NMOCD

N

ConocoPhillips
AXI APACHE N 16A
Expense - P&A

Lat 36° 25' 4.616" N

Long 107° 12' 25.272" W

PROCEDURE

Note: There are tools stuck downhole, set locking three-slip stop before pulling tubing.

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 work over 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 test BOP. PU and remove tubing hanger.
6. TOOH with tubing and Baker Model R packer (per pertinent data sheet):

Tubing:	Yes	Size:	2 3/8"	Length:	5880'
Packer:	Yes	Size:	4 1/2"	Depth:	5594'

7. PU mill and bit sub and RIH to CO to top of perforations (5,905'). TOOH. LD mill & bit sub.
8. RIH and set CR for 4-1/2", 10.5#, K-55 casing at 5,333'. Pressure test casing to 800 psi. If casing does not test, notify engineer. Spot and tag subsequent plugs as appropriate. Load hole and run CBL from top of CR (5,333') to Surface. Call Production Engineer to confirm cement plug depths.
9. **Plug #1 (Mesaverde perforations & Mesaverde formation top, 5333' - 5233'):**
Pressure test tubing to 1000 psi. Load casing with water and attempt to establish circulation. Mix 12 sx Class B cement and spot inside the casing above CR to isolate the Mesaverde perforations and formation top. PUH.

10. **Plug #2 (Chacra formation top, 4,687' - 4,587'):**
Mix 12 sx Class B cement and spot a balanced cement plug inside casing to isolate the Chacra formation top. POOH.

11. **Plug #3 (Intermediate casing shoe and Liner top, 4,385' - 4,158'):**

Perforate 3 HSC holes at 4,385'. Establish rate into squeeze holes. RIH and set CR for 4-1/2" 10.5# K-55 at 4,343'. Mix 60 sx Class B cement, squeeze 26 sx behind liner and leave 34 sx Class B cement inside casing to isolate intermediate casing shoe and liner top. PUH.

12. **Plug #4 (Pictured Cliff formation top, 3,771' - 3,671'):**
Mix 29 sx Class B cement and spot a balanced cement plug inside casing to isolate the Pictured Cliff formation top. PUH.

13. **Plug #5 (Fruitland, Kirtland, and Ojo Alamo formation tops, ^{3636 3276}3,462' - ~~3,204~~')**
Mix ~~58~~ sx Class B cement and spot a balanced cement plug inside casing to isolate the Fruitland, Kirtland and Ojo Alamo formation tops. POOH.

14. **Plug #6 (Surface casing shoe and Surface plug, 337' - Surface):**

Perforate 3 HSC holes at 337'. Establish circulation out bradenhead with water and circulate BH annulus clean. Mix 134 sx Class B cement and pump down production casing to circulate good cement out bradenhead. Shut in well and WOC.

15. 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#16A

API / UWI	Surface Legal Location	Field Name	License No.	State / Province	Well Configuration Type	Edit
3003921982	NMPM-25N-04W-12-C	MV		NEW MEXICO	Vertical	
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Hanger Distance (ft)	KB-Tubing Hanger Distance (ft)		
7,207.00	7,219.00	12.00	7,219.00	7,219.00		

Well Config: Vertical - Original Hole: 10/15/2011 5:43:52 PM

ftKB (MD)	ftKB (TVD)	Schematic - Actual	From Final
0			
12			
286			
287			
3,254		Tubing, 2 3/8in, 4.70lbs/ft, 12 ftKB, 5,594 ftKB	OJO ALAMO, 3,254
3,302			KIRTLAND, 3,302
3,412			FRUITLAND, 3,412
3,721			PICTURED CLIFFS, 3,721
3,815			LEWIS, 3,815
4,208		Top of liner @ 4208'	
4,213			
4,342			
4,343			
4,352			
4,637		Fracture, 7/8/1980, Frac Mesaverde perms (5383'-5537') w/ 68,000gals gelled fluid & 170,000# 20/40sand. Flush w/ 8223 gals gelled fluid.	CHACRA, 4,637
5,380			CLIFF HOUSE, 5,380
5,383			
5,477		Packer @ 5594'	
5,537		Halliburton R-3 Packer, 4 1/2in, 4.70lbs/ft, 5,594 ftKB, 5,598 ftKB	MENEFEE, 5,477
5,594		Tubing, 2 3/8in, 4.70lbs/ft, 5,598 ftKB, 5,871 ftKB	
5,598		Seating Nipple, 2 3/8in, 4.70lbs/ft, 5,871 ftKB, 5,872 ftKB	
5,871			
5,872		Tubing, 2 3/8in, 4.70lbs/ft, 5,872 ftKB, 5,901 ftKB	
5,901			
5,902		Saw Tooth, 2 3/8in, 4.70lbs/ft, 5,901 ftKB, 5,902 ftKB	POINT LOOKOUT, 5,902
5,905			
5,911		Fracture, 7/7/1980, Frac Mesaverde perms (5905'-5963') w/ 59,500gals gelled fluid & 147,000# 20/40sand. Flush w/ 8058 gals gelled fluid.	
5,963			
6,014			
6,067			
6,080		PBTD, 6,080	
6,189			
6,190		TD, 6,190, 6/1/1980	
6,314			MANCOS, 6,314

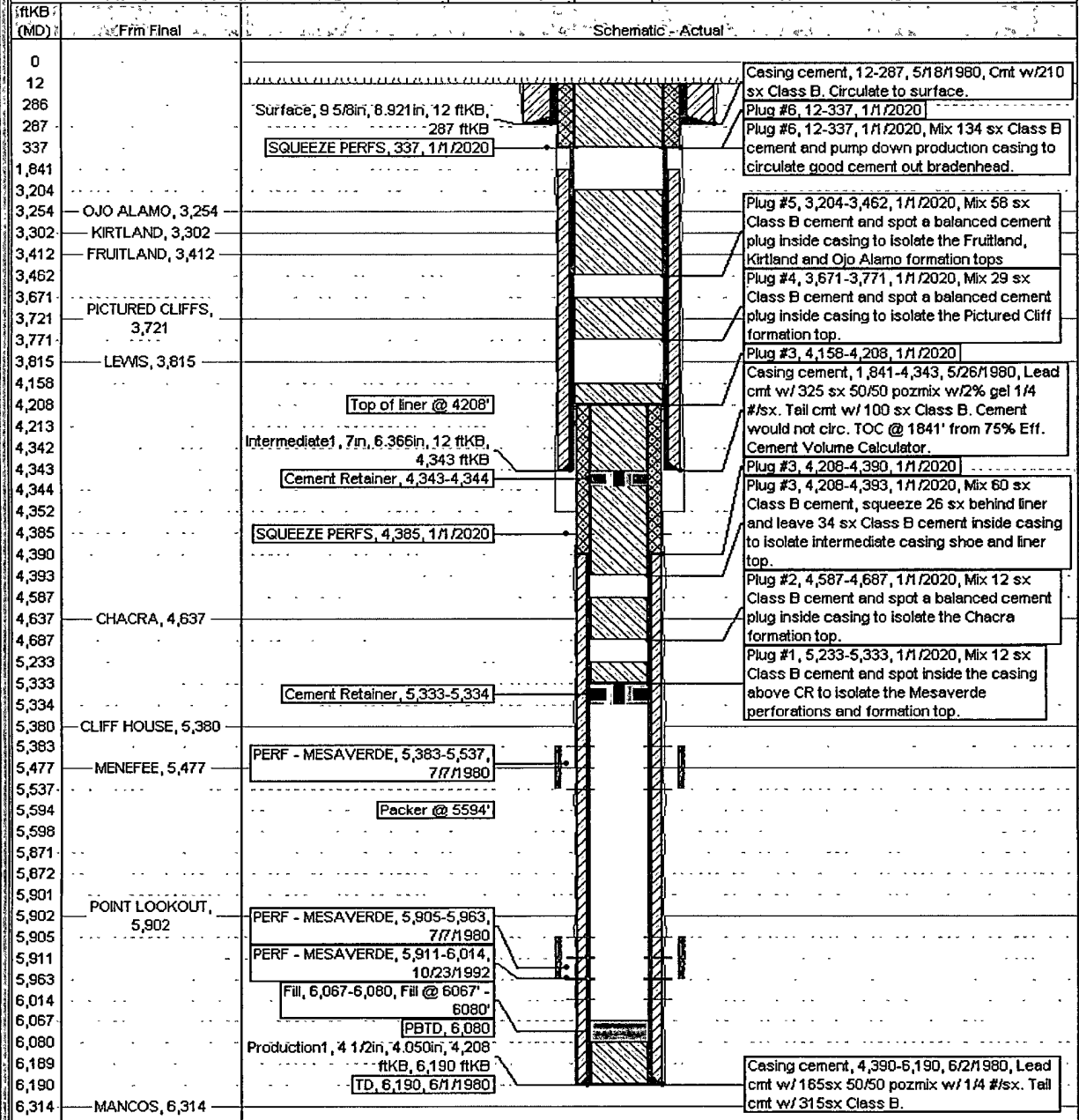
ConocoPhillips

Well Name: AXIAPACHE N#16A

Current Schematic

API / UWI 3003921982	Service Legal Location NMPM-25N-04VV-12-C	Field Name MV	License No.	State / Province NEW MEXICO	Well Configuration Type Vertical	Edit
Ground Elevation (ft) 7,207.00	Original P/BRT Elevation (ft) 7,219.00	IB-Grout Distance (ft) 12.00	IB-Casing / Flange Distance (ft) 7,219.00	IB-Tabling Hanger Distance (ft) 7,219.00		

Well Config Vertical - Original Hole, 1/1/2020



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon;

Re: Permanent Abandonment
Well: 16A 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) 599-8907.
3. The following modifications to your plugging program are to be made:
 - a) Place the Fruitland/Kirtland/Ojo Alamo plug from 3636' – 3296' inside and outside the 7" casing.
 - b) Place the Nacimiento plug from 1988' – 1888' 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.