

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

**RECEIVED****APR 14 2008**

Sundry Notices and Reports on Wells

Bureau of Land Management  
Farmington Field Office

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**  
Sec., T—N, R—W, NMPM

Unit L, NWSW' 1700 FSL &amp; 1190' FWL, Sec. 2, T25N, R4W NMPM

5. **Lease Number**  
Contract # 121
6. **If Indian, All. or Tribe Name**  
Jicarilla Apache
7. **Unit Agreement Name**  
~~San Juan 32-7 Unit~~
8. **Well Name & Number**  
Axi Apache N #10
9. **API Well No.**  
30-039-21115
10. **Field and Pool**  
Blanco PC/ MV
11. **County and State**  
Rio Arriba, NM

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA****Type of Submission:**

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment

**Type of Action:**

- ☒ Abandonment
- ☐ Recompletion
- ☐ Plugging
- ☐ Casing Repair
- ☐ Altering Casing
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-off
- ☐ Conversion to Injection

☐ Other :**13. Describe Proposed or Completed Operations**

ConocoPhillips plans to plug &amp; abandon the following well. Please see the attached procedure and WBD.

RCVD APR 17 '08

OIL CONS. DIV.

DIST. 3

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

Signed  Philana Thompson Title Regulatory Tech Date 4/14/08

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_ Date **APR 16 2008**

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 

## PLUG AND ABANDONMENT PROCEDURE

March 20, 2008

### AXI Apache N #10

South Blanco Mesaverde / Pictured Cliffs  
1700' FSL & 1190' FWL Section 2, T25N, R4W  
Rio Arriba County, New Mexico, API #30-039-21115  
Lat: 36.42575100 / Long: -107.22654000

**Note:** All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

All cement will be ASTM Type G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

1. Project will require an approved Pit Permit (C-103) from the NMOCD.
2. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and ConocoPhillips safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
3. **Note:** hCOP Well View Diagram indicates tubing corkscrewed. No information in well file regarding this. Feb '08, during a workover, unloaded well at 4000' making water. Unloaded 230 bbls of water in 5 hours. Well then started unloading cement and rock. TIH and tagged fill at 5240' (above packer). If possible TOH with 189 joints 2.62" tubing, total 5975' and LD packer.
4. **Plug #1 (Mesaverde perforation and top, packer and fish, 5418' – 5318')**: Load casing and circulate well clean. Mix 18 sxs Type G cement and spot a balanced plug inside casing above the retainer to isolate Mesaverde interval and cover the packer and fish. PUH.  
~~3754~~
5. **Plug #2 (Pictured Cliffs perforations and top, 3903' – ~~3793'~~)**: Mix and pump 37 sxs cement from 3903' to 3689' to fill the Pictured Cliffs perforations and cover the PC top. PUH and WOC. TIH and tag cement at 3689' or higher. Pressure test casing to 500#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* TOH with tubing.
6. **Plug #3 (Pictured Cliffs top, 3789' – 3689')**: Perforate 3 HSC squeeze holes at 3789'. If casing tests, then establish rate into squeeze holes. Set a 5.5" CR at 3739'. Establish rate into squeeze holes. Mix and pump 50 sxs cement, squeeze 32 sxs outside casing and leave 18 sxs (50' excess due to water flow) inside casing to cover the Pictured Cliffs top. TOH with tubing.  
~~3674 3310~~
7. **Plug #4 (Fruitland, Kirtland and Ojo Alamo tops, ~~3532'~~ – ~~3468'~~)**: Perforate 3 HSC squeeze holes at ~~3532'~~. If casing tests, then establish rate into squeeze holes. Set a 5.5" CR at ~~3325'~~. Establish rate into squeeze holes. Mix and pump 164 sxs cement, squeeze 110 sxs outside casing and leave 54 sxs (50' excess due to water flow) inside casing to cover through the Ojo Alamo top. TOH with tubing.

2050 1950

8. **Plug #5 (Nacimiento top, 2201' - 2101')**: Perforate 3 HSC squeeze holes at 2201'. If casing tests, then establish rate into squeeze holes. Set a 5.5" CR at 2151'. Establish rate into squeeze holes. Mix and pump 56 sxs cement, squeeze 32 sxs outside casing and leave 24 sxs inside casing to cover the Nacimiento top (50' excess due to water flow). TOH and LD tubing.
9. **Plug #6 (8.625" Surface casing, 567' - Surface)**: Perforate 3 HSC squeeze holes at 567'. Establish circulation out bradenhead valve with water. Mix and pump approximately 175 sxs cement down 5.5" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
10. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

# AXI Apache N #10 Current

South Blanco Mesaverde / Pictured Cliffs

1700' FSL, 1190' FWL Section 2, T-25-N, R-4-W, Rio Arriba County, NM

API #30-039-21115 - Lat: 36.42575100 Long: -107.22654000

Today's Date: 3/20/08

Spud: 9/20/75

MV Completed: 1/27/76

PC Completed: 3/24/76

Elevation: 7288' GL  
7300' KB

12.25" hole

8.625" 24#, K-55 Casing set @ 517'  
Cement with 425 sxs, circ to surface.

## Well Info

Feb '08: During workover, unloaded well at 4000' making water. Unloaded 230 bbls of water in 5 hours. Well then started unloading cement and rock. TIH and tag fill at 5240' (above packer).

Nacimiento @ 2151' \*est

2.375" Tubing set at 5790'  
(166 jts, F nipple @ 5728',  
Mule Shoe Collar on bottom)

Ojo Alamo @ 3218' \*est

**NOTE: Well View Diagram indicates tubing corkscrewed. No information in well file regarding this.**

Kirtland @ 3325' \*est

Fruitland @ 3482' \*est

Pictured Cliffs @ 3739' \*est

TOC @ 3800' (CBL)

Pictured Cliffs Perforations:  
3843' - 3853'

Mesaverde @ 5458'

DV Tool @ 4689' Cement with  
425 sxs (502 cf)

TOC @ DV Tool (CBL)

Packer @ 5418', Baker Seal @ 4026'

Mesaverde Perforations:

5502' - 5534'

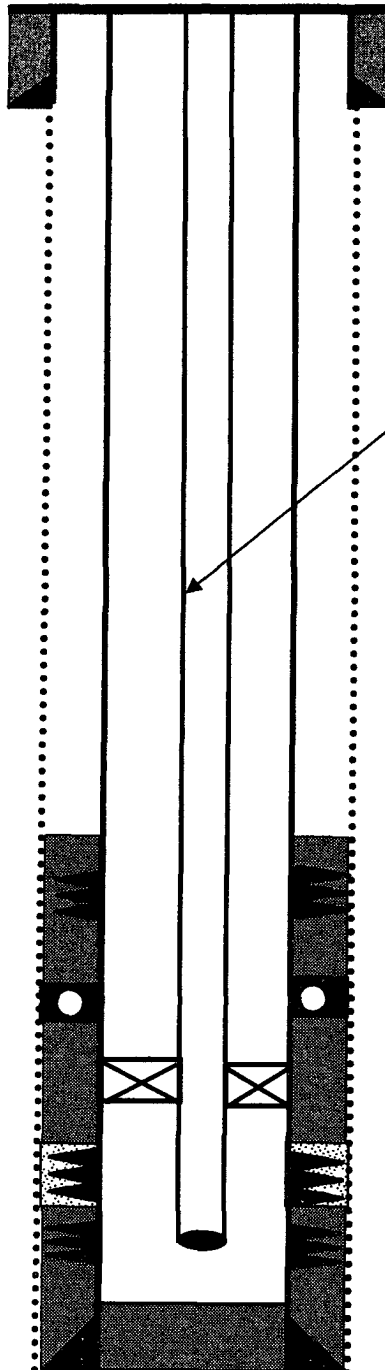
5611' - 6016'

spot 50 sxs above and squeeze 5502' to 5534'. (1976)

7.875" Hole

5.5" 15.5#, K-55 Casing set @ 6338'  
Cement with 300 sxs (354 cf)

TD 6350'  
PBD 6288'



# AXI Apache N #10

## Proposed P&A

South Blanco Mesaverde / Pictured Cliffs

1700' FSL, 1190' FWL Section 2, T-25-N, R-4-W, Rio Arriba County, NM

API #30-039-21115 - Lat: 36.42575100 Long: -107.22654000

Today's Date: 3/20/08  
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Nacimiento @ 2151' \*est

Ojo Alamo @ 3218' \*est

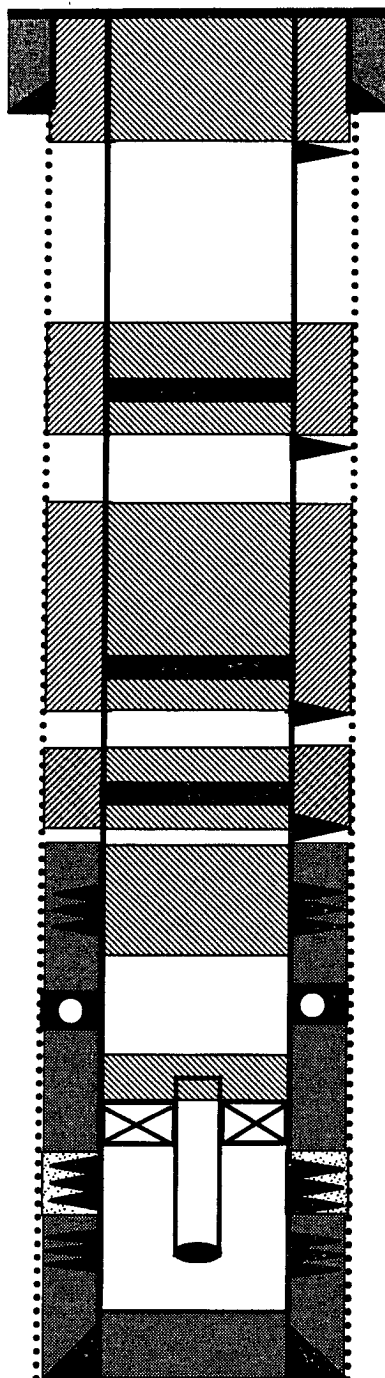
Kirtland @ 3325' \*est

Fruitland @ 3482' \*est

Pictured Cliffs @ 3739' \*est

Mesaverde @ 5458'

7.875 " Hole



8.625" 24#, K-55 Casing set @ 517'  
Cement with 425 sxs, circ to surface.

Perforate @ 567'

Plug #6: 567' - 0'  
Type G cement, 175 sxs

Cmt Retainer @ 2151'

Perforate @ 2201'

Plug #5: 2201' - 2101'  
Type G cement, 56 sxs:  
32 outside and 24 sxs  
(50' excess on inside plug  
due to water flow)

Cmt Retainer @ 3325'

Perforate @ 3532'

Cmt Retainer @ 3739'

Perforate @ 3789'

TOC @ 3800' (CBL)

Pictured Cliffs Perforations:  
3843' - 3853'

DV Tool @ 4689' Cement with  
425 sxs (502 cf)

TOC @ DV Tool (CBL)

Packer @ 5418',

Mesaverde Perforations:  
5502' - 5534'  
5611' - 6016'

spot 50 sxs above and squeeze 5502'  
to 5534'. (1976)

5.5" 15.5#, K-55 Casing set @ 6338'  
Cement with 300 sxs (354 cf)

TD 6350'  
PBTB 6288'

The Jicarilla Apache Nation requires 45 days to evaluate this well beginning from 4/15/08 in order to determine if they would like to assume ownership of the well. If the Jicarilla Apache Nation has not contacted your office before the end of the 45 days you may proceed with plugging operations.

**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: 10 Jicarilla Apache 121

**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) Bring the top of the Pictured Cliffs plug to 3754'.
  - b) Place the Fruitland/Kirtland/Ojo Alamo plug from 3674' – 3310' inside and outside the 5 ½" casing.
  - c) Place the Nacimiento plug from 2050' – 1950' inside and outside the 5 ½" 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.