

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 M (SWSW), 802' FSL & 805' FWL, Section 26, T25N, R04W, NMPM

RECEIVED

MAR 17 2008

Bureau of Land Management  
Farmington Field Office

5. Lease Number  
Jicarilla contract 125
6. If Indian, All. or  
Tribe Name  
Jicarilla Tribe
7. Unit Agreement Name
8. Well Name & Number  
AXI Apache L 4
9. API Well No.  
30-039-05781
10. Field and Pool  
S. Blanco Pictured Cliffs
11. County and State  
Rio Arriba Co., NM

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

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment <input type="checkbox"/> Change of Plans <input checked="" type="checkbox"/> Other
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion <input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input checked="" type="checkbox"/> Plugging <input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair <input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing <input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

ConocoPhillips plans to plug and abandon this well according to the attached procedures.

RCVD MAR 25 '08

OIL CONS. DIV.

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

Signed Tamra Sessions Tamra Sessions Title Regulatory Technician Date 3/17/2008

DIST. 3

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_ Date MAR 24 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

February 25, 2008

### AXI Apache L #4

Pictured Cliffs

802' FSL, 805' FWL, Section 26, T25N, R4W, Rio Arriba County, New Mexico

API 30-039-05781/ Lat: 36°36'57.4900N / Long: 107°22'53.000W

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 a Pit Permit (C103) from the NMOCD.
2. Install and test rig anchors. Prepare waste fluid holding pit. Comply with all NMOCD, BLM and ConocoPhillips safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. TOH and tally 109 jts 4.7# J-55 2.375" tubing with SN, total 3414'. Round-trip 4.5" casing scraper or wireline gauge ring to 3376'.
4. **Plug #1 (Pictured Cliffs perforations and Fruitland, Kirtland, Ojo Alamo tops, 3376' – 2839')**: TIH and set 4.5" CR at 3376'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 1000#. *If the casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 46 sxs Type G cement and spot a balanced plug inside the casing above the CR to isolate the Pictured Cliffs interval and cover the Fruitland, Kirtland and Ojo Alamo tops. TOH with tubing.
5. **Plug #2 (Nacimiento top, ~~1683~~<sup>1675</sup> – ~~1583~~<sup>1575</sup>)**: Perforate 3 squeeze holes at ~~1683~~<sup>1675</sup>'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 4.5" cement retainer at ~~1583~~<sup>1575</sup>'. Establish rate into squeeze holes. Mix and pump 52 sxs Type G cement, squeeze 40 sxs outside the casing and leave 12 sxs inside casing. TOH and LD tubing.
6. **Plug #3 (8.625" Surface casing shoe, 222' - Surface)**: Perforate 3 squeeze holes at 222'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 80 sxs cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
7. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

# AXI Apache L #4

## Current

### Pictured Cliffs

802' FSL & 805' FWL, Section 26, T-25-N, R-4-W, Rio Arriba County, NM

Lat: N 36°36574900 / Long: W 107° 22753000 / API 30-039-05781

Today's Date: 2/25/08

Spud: 6/04/56

Comp: 6/19/56

Elevation: 7113' GI

12.25" Hole

8.625" 24# Casing set @ 172'  
Cement with 150 sxs, circulated

Nacimiento @ 1583'

TOC @ 1956' (Calc, 75%)

Ojo Alamo @ 2889'

2.375" Tubing set at 3414'  
(109 jts, 4.7#, J-55, SN @ 3383')

Kirtland @ 3085'

Fruitland @ 3194'

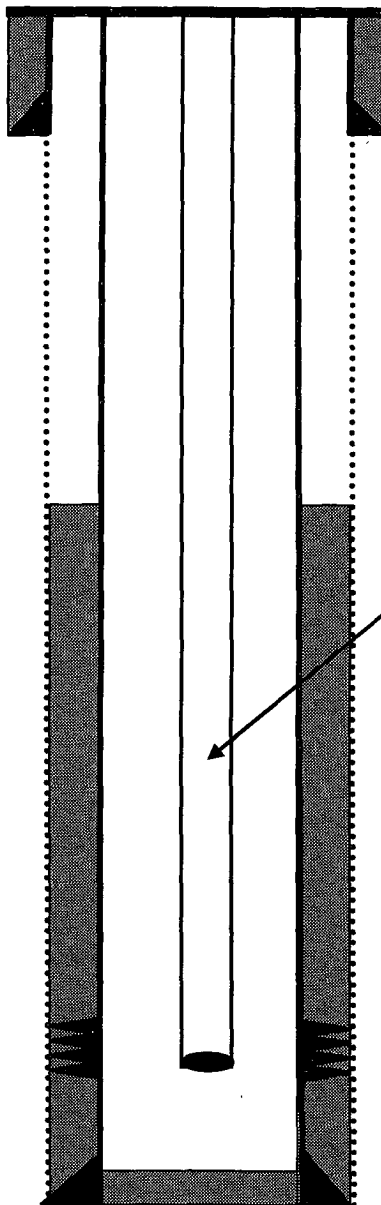
Pictured Cliffs @ 3426'

Pictured Cliffs Perforations:  
3426' - 3472'

7.875" Hole

4.5" 11.6# Casing @ 3510'  
Cement with 275 sxs (472 cf)

3518' TD  
3480' PBD



# AXI Apache L #4

## Proposed P&A

Pictured Cliffs

802' FSL & 805' FWL, Section 26, T-25-N, R-4-W, Rio Arriba County, NM

Lat: N 36°36'57.4900 / Long: W 107°22'53.000 / API 30-039-05781

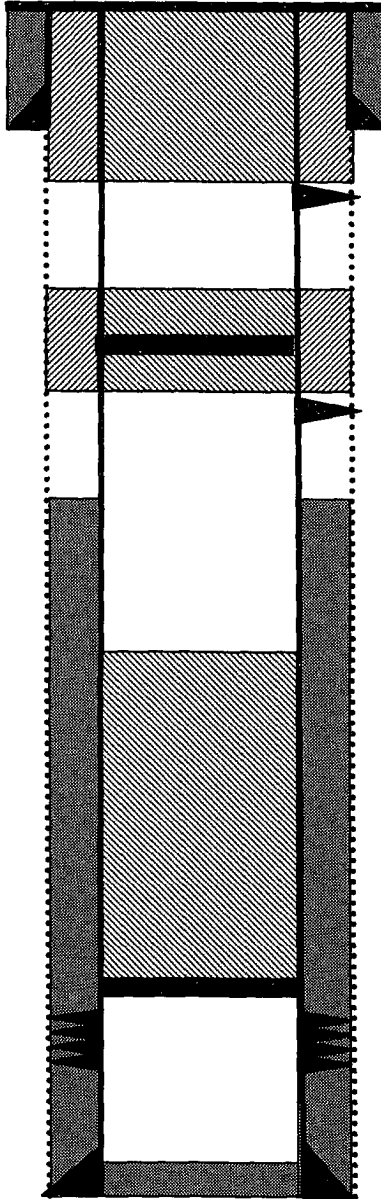
Today's Date: 2/25/08

Spud: 6/04/56

Comp: 6/19/56

Elevation: 7113' GI

12.25" Hole



8.625" 24# Casing set @ 172'  
Cement with 150 sxs, circulated

**Plug #3: 222' - 0'**  
Type G cement, 80 sxs

Perforate @ 222'

Nacimiento @ 1583'

Set CR @ 1583'

**Plug #2: 1633' - 1533'**  
Type G cement, 52 sxs:  
12 inside and 40 outside

Perforate @ 1633'

TOC @ 1956' (Calc, 75%)

Ojo Alamo @ 2889'

**Plug #1: 3376' - 2839'**  
Type G cement, 46 sxs

Kirtland @ 3085'

Fruitland @ 3194'

Set CR @ 3376'

Pictured Cliffs @ 3426'

Pictured Cliffs Perforations:  
3426' - 3472'

7.875" Hole

4.5" 11.6# Casing @ 3510'  
Cement with 275 sxs (472 cf)

3518' TD  
3480' PBDT

The Jicarilla Apache Nation requires 45 days to evaluate this well beginning from 3/18/08 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: 4 AXI Apache L

**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 Nacimiento plug from 1675' – 1575' inside and outside the 4 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.