

submitted in lieu of Form 160-5

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 COMPANY

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

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

Surf: Unit H (SENE), 1569' FNL & 1190' FEL, Section 10, T26N, R5W, NMPM

5. Lease Number
Cont 151
6. If Indian, All. or
Tribe Name
Jicarilla Apache Tribe
7. Unit Agreement Name
8. Well Name & Number
AXI Apache K 5
9. API Well No.
30-039-06600
10. Field and Pool
Blanco MV/ Blanco PC So.
11. County and State
Rio Arriba Co., NM

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

Type of Submission
☒ Notice of Intent

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 wishes to P&A this wellbore per attached procedures and wellbore schematic.

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

Signed Rhonda Rogers Rhonda Rogers Title Staff Regulatory Technician Date 11/10/10

(This space for Federal or State Office use)

APPROVED BY [Signature] Title PE Date NOV 17 2010

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.

Notify NMOCD 24 hrs
prior to beginning
operations

FARMINGTON

ConocoPhillips
AXI APACHE K 5
Expense - P&A

Lat 36° 30' 16.204" N

Long 107° 20' 26.808" W

PROCEDURE

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. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with 2% KCl, if necessary.
4. ND wellhead and NU BOPE. PU and remove tubing hanger and tag for fill, adding additional joints as needed (tubing currently landed @ 6108', PBTD @ 6215'). Record fill depth in Wellview.
5. TOOH with tubing (details below). LD tubing bailer (if applicable).

Number	Description
198	2-3/8" 4.7# J-55 Tubing Joints
1	2-3/8" OD (1.78" ID) F-Nipple
1	2-3/8" 4.7# J-55 Tubing Joints
1	2-3/8" Muleshoe

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 #1

6. Mesaverde Perforations (5426' to 5526'): RIH with wireline and set CIBP at 5526'. TIH with open ended tubing to tag the CIBP and pull up 2'. Pressure test the tubing to 1000#. Load the casing with water and attempt to establish circulation. Mix 12 sacks of cement to fill the inside of the casing to isolate the MV perforations and cover 100' above the CIBP. TOOH w/ tubing. **Run CBL from cement top to surface (The only CBL on record was on 11/5/2010 on the interval 2470' to 3750').**

Plug #2

7. Chacra formation top (4765' to 4865'): RIH w/ wireline and perforate 3 squeeze holes at 4865'. Establish an injection rate into the squeeze holes. TIH and set a CR at 4815'. Mix 51 sx of cement. Squeeze 39 sx through the casing. Leave 12 sx inside the casing. TOOH with tubing.

Plug #3

8. Pictured Cliffs Perforations (3727' to 3827'): RIH with wireline and set a CIBP at 3827'. TIH with open ended tubing to tag CIBP and pull up 2'. Load the casing with water and establish circulation. Mix 12 sx of cement to fill the inside of the casing to isolate the PC perforations and cover 100' above the CIBP. TOOH with tubing.

Plug #4

9. ~~Fruitland and Kirtland Tops (3425' to 3490')~~ ^{3550' 3450'} RIH with wireline and perforate 3 squeeze holes at 3490'. Establish an injection rate into the squeeze holes. TIH and set a CR at 3475'. Mix 35 sx of cement. Squeeze 26 sx through the casing. Leave 8 sx inside the casing. TOOH with tubing. 12

Plug #5

10. Casing Leak [Holes at 3242'-44' and 3378'] and Ojo Alamo Top (3223' to 3378'): RIH with CR and set it at 3120'. Establish an injection rate into the casing holes. Mix 80 sx of cement. Squeeze 60 sx through the casing. Leave 20 sx inside the casing. TOOH with tubing.

Plug #6

11. Casing Leak [Hole at 2803' - 2805'] (2675' to 2805'): RIH with CR and set it at 2675'. Establish an injection rate into the casing hole. Mix 66 sx of cement. Squeeze 52 sx through the casing. Leave 14 sx inside the casing. TOOH with tubing.

Plug #7

12. Nacimiento Formation Top (1893' to 1993'): RIH with wireline and perforate 3 squeeze holes at 1993'. Establish an injection rate into the squeeze holes. RIH with CR and set it at 1943'. Mix 52 sx of cement. Squeeze 40 sx behind the casing and leave 12 sx inside the casing. TOOH with tubing.

Plug #8

13. Surface Plug and 8-5/8" Casing Shoe (12' to 263'): RIH with wireline and perforate three squeeze holes at 263'. Establish circulation through the bradenhead and circulate until water is clean. Mix 86 sx of cement. Pump 66 sx through the perforations and leave 20 sx inside the casing.

14. 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.

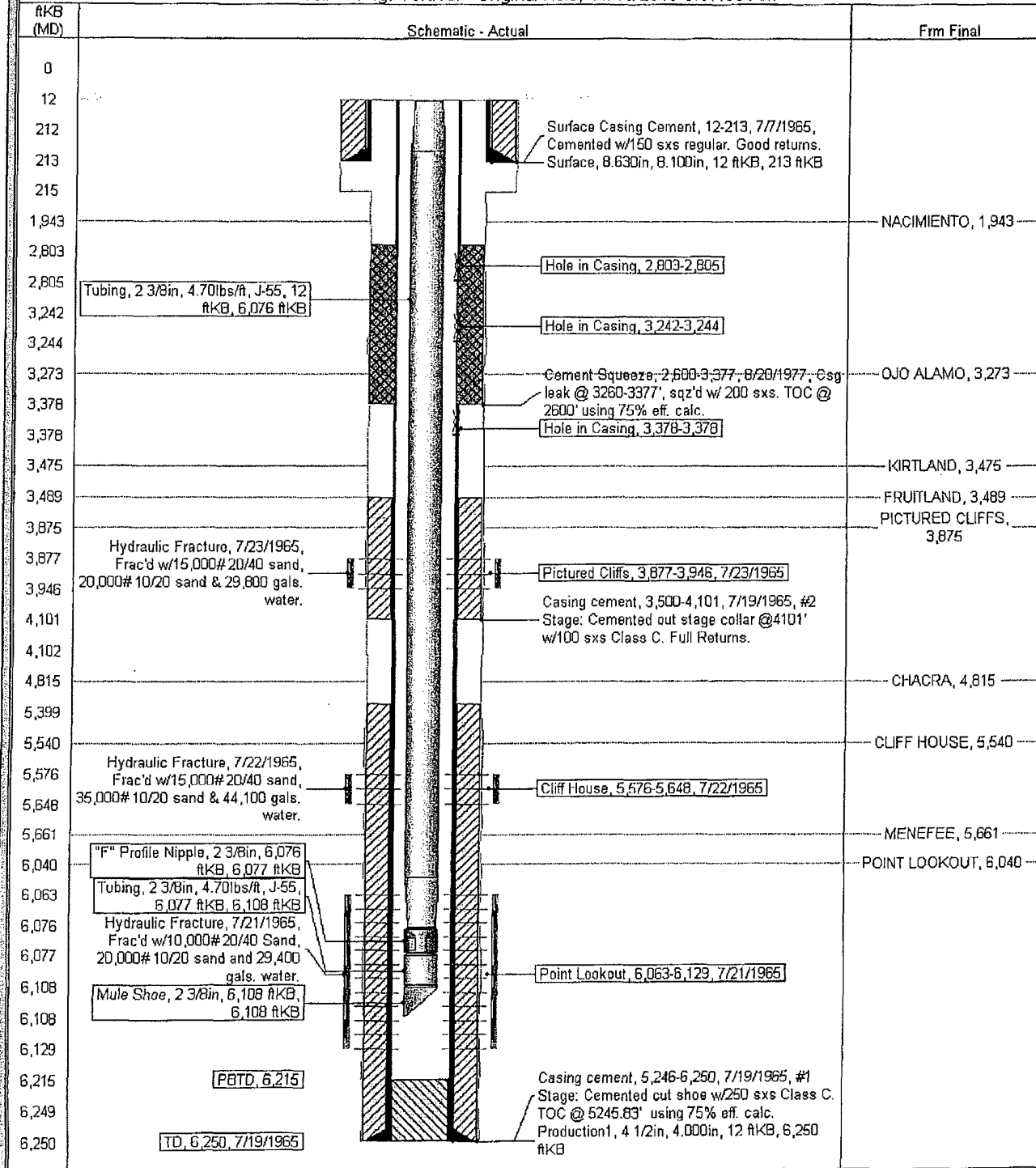
Current Schematic

ConocoPhillips

Well Name: AXI APACHE K #5

API / UWI 3003906600	Surface Legal Location NMPM-26N-05W-10-H	Field Name PC/MV COM	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical	Edit
Ground Elevation (ft) 7,248.00	Original KB/RT Elevation (ft) 7,260.00	KB-Ground Distance (ft) 12.00	KB-Casing Flange Distance (ft) 7,260.00	KB-Tubing Hanger Distance (ft) 7,260.00		

Well Config: Vertical - Original Hole, 11/10/2010 8:57:30 AM



ConocoPhillips

API/UOM 3003906600	Service Legal Location NMPM-26N-05V-10-H	Field Name PC/MV COM	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical	Edit
Ground Elevation (ft) 7,248.00	Original K&RT Elevation (ft) 7,260.00	K&R Ground Distance (ft) 12.00	K&R Casing Gauge Distance (ft) 7,260.00	K&R Tubing Gauge Distance (ft) 7,260.00		

ftKB (MD)	Schematic - Actual	Frm Final
0		
12		
212		
213	Surface Wellbore: 12-1/4"	
215	Production Wellbore: 7-7/8"	
263		
1,943		
1,945		
1,993		
2,675		
2,677		
2,803		
2,805		
3,120		
3,122		
3,242		
3,244		
3,273		
3,378		
3,378		
3,475		
3,477		
3,489		
3,490		
3,827		
3,829		
3,875		
3,877		
3,946		
4,101		
4,102		
4,815		
4,817		
4,865		
5,399		
5,526		
5,528		
5,540		
5,576		
5,648		
5,661		
6,040		
6,063		
6,076		
6,077		
6,108		
6,108		
6,129		
6,215		
6,249		
6,250		

BLM CONDITIONS OF APPROVAL

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (see 43 CFR 3162.3-4). **Surface rehabilitation work shall be completed within one year of the actual plugging date. Notification for completion of this work can be submitted with a Sundry Notice.**

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location.
2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils may be remediated on-site according to these guidelines or disposed of in an approved disposal facility.
3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped to a minimum of 12" before seeding.
4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to detour vehicular travel. Access will be ripped to a minimum of 12" in depth and waterbarred prior to seeding. All erosion problems created by the development must be corrected prior to acceptance of release. Waterbars should be spaced as shown below:

% Slopes	Spacing Interval
Less than 20%	200'
2 to 5%	150'
6 to 9%	100'
10 to 15%	50'
Greater than 15%	30'

All water bars should divert to the downhill side of the road.

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required).
6. Notify Surfacing Managing Agency seven (7) days prior to seeding so that they may be present for that option.
7. The period of liability under the bond of record will not be terminated until the lease is inspected and the surface rehabilitation approved.

Other SMA's may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us.

On private land, we should be provided with a letter from the fee owner stating that the surface restoration is satisfactory.

**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: 5 AXI Apache K

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 Pictured Cliffs/Fruitland plug from 3827' – 3629'.
 - b) Place the Kirtland plug from 3550' – 3450'.

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.

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densimeter/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously run or cement circulated to surface during the original casing cementing job or subsequent cementing jobs.

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 1235 La Plata Highway, Suite A, Farmington, NM 87401. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.