

RECEIVED

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submitted in lieu of Form 3160-5  
**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

Farmington Field Office  
Bureau of Land Management

Sundry Notices and Reports on Wells

1. Type of Well GAS	5. Lease Number Contract # 122
2. Name of Operator <b>ConocoPhillips</b>	6. If Indian, All. or Tribe Name Jicarilla Apache
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name
4. Location of Well, Footage, Sec., T, R, M Unit D (NWNW), 1190' FNL & 1168' FWL, Section 3, T25N, R4W, NMPM	8. Well Name & Number AXI Apache O 2
	9. API Well No. 30-039-20677
	10. Field and Pool Blanco PC/Blanco MV
	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		
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans	<input checked="" type="checkbox"/> Other - <input type="checkbox"/> P&A
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction	
<input type="checkbox"/> Final Abandonment	<input 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**

This well was P&Ad 12/21/10 per attached A+ report.

RCVD JAN 14 '11

OIL CONS. DIV.

DIST. 3

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

Signed Rhonda Rogers Rhonda Rogers Title Staff Regulatory Technician Date 1/6/11

(This space for Federal or State Office use)  
APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
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.

ACCEPTED FOR RECORD

JAN 10 2011

NMOCD

FARMINGTON FIELD OFFICE  
BY Jm

# **A-PLUS WELL SERVICE, INC.**

P.O. BOX 1979  
Farmington, New Mexico 87499  
505-325-2627 \* fax: 505-325-1211

ConocoPhillips  
**AXI Apache O #2**

December 21, 2010  
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1190' FNL & 1168' FWL, Section 3, T-25-N, R-4-W  
Rio Arriba County, NM  
Lease Number: Contract #122  
API#30-039-20677

## **Bradenhead Repair / P&A Report**

Notified JAT – BLM and NMOCD on 12/15/10

### **Bradenhead Repair Summary:**

- 11/29/10 MOL and RU. SDFD.
- 11/30/10 Check well pressure: bradenhead 58 PSI and tubing, casing 0 PSI. ND wellhead tree. Layout relief line. Attempt to remove tubing hanger with screw on cap. Unable to break base from hanger. Wait on WSI. Found tubing hanger to be 7-3/16" with 1" IJ tubing. SI well. SDFD.
- 12/1/10 Open up well and blow down 78 PSI bradenhead pressure. Strip on companion flange and BOP. TOH and LD 109 joints 1" IJ tubing and 12 joints 1-1/4" EUE tubing. Tubing started blowing. SI well. SDFD.
- 12/2/10 Open up well and blow down 60 PSI bradenhead pressure. TOH and LD 147 joints 1-1/4" IJ tubing with seal assembly. Total tally 161 joints 1-1/4" EUE tubing, 5106'. PU 4-1/2" Select Packer Plucker, set of hydro jars, 4 3-1/8" DCs, x-over and tally in hole with 2-3/8" EUE tubing. SI well. SDFD.
- 12/3/10 Open up well and blow down 60 PSI bradenhead pressure. Note: 2-3/8" tubing on a vacuum. Tally and TIH with additional 19 joints tubing. Load casing with 12 bbls of water and establish circulation. PU swivel and 1 joint; circulate down. Sting into packer at 5111'. Circulate down 8' and start cutting on packer slips while pumping 2 bpm at 500 PSI. Drill out 4' to 5', circulating metal shaving with small chunks of dried drilling mud. Circulate clean for 30 minutes. LD swivel. TOH and SB 82 stands 2-3/8" tubing and BHA. No packer. SI well. SDFD.
- 12/6/10 Open up well and blow down bradenhead pressure. TIH with tubing and tag slips. PU power swivel and 1 joint. Mill on fish at 5126'. LD swivel. PU tongs. TOH with tubing and break down tools. PU overshot with BHA and start to TIH. SI well. SDFD.
- 12/7/10 Open up well and blow down 35 PSI bradenhead pressure. TIH with tubing and overshot; tag fish at 5126'. TOH with tubing and 80% of fish (Model "D" Packer). RIH with RBP and Retrieomatic packer; set BP at 3420' and packer at 3409'. Pressure test RBP to 750 PSI. Pressure test from RBP at 3409' to surface; leak 2.5 bpm at 200 PSI. PT from 3347' to surface, bradenhead started flowing. Determine casing leaks from 380' to 450'. SI well. SDFD.

**A-PLUS WELL SERVICE, INC.**

**Bradenhead Repair / P&A Report Cont'd:**

- 12/8/10 Open up well; no pressures. Bradenhead on a vacuum. Found hole in 4.5" casing just above casing slips; previous weld. TOH with tubing and BHA. TIH to 620' and dump 10 bucks of frac sand then chase with 4 bbls of water. LD tubing. PU full bore packer and set at 62'. Load casing above packer and establish circulation with 15 bbls of water. **Squeeze #1** with packer at 62', mix and pump 154 sxs Class B cement (181.72 cf) from 450' to surface; displace to 200' and WOC. Open up well tubing, casing and bradenhead on a vacuum. Release packer and LD tubing with packer. SI well and WOC. Dig out around wellhead and below casing head. SI well. SDFD.
- 12/9/10 Open up well; no pressures. ND BOP and companion flange. Dig out wellhead 2' deeper. RU Hi-Desert equipment. Hi-Desert issued Hot Work Permit. Cut off 4.5" wellhead and slips. Tag cement at 11'. Weld on new 4.5" casing stub, 8-5/8" casing and wellhead. Set new slips and packing. Pressure test ok. NU new tubing head and workover spool with BOP. Pressure test 4.5" casing to 500 PSI. TIH with tubing and tag cement at 370'. TOH with tubing. SI well. SDFD.
- 12/10/10 Open up well; no pressure. PU 1 new Twister bit, bit sub, drill collars and RIH; tag at 370'. RU swivel. Drill 8' green cement. Drill out easy to 490' and hard cement to 700'. Small amount of fine cement in returns. Circulate well clean at 700'. LD 2 joints and swivel. SI well. SDFD.
- 12/13/10 Open up well; no pressure. RIH with 2 joints tubing and swivel; tag at 700'. Establish circulation and start drilling at 700' with fine cement returns; no metal. Drill to 872'. Circulate clean at 872'. Hang back swivel. LD Twister bit; no wear. Found 2 jet holes plugged with cement. SI well. SDFD.
- 12/14/10 Check well pressures: bradenhead has 2 to 5 PSI pressure. PU 3-7/8" blade bit with tubing and drill collars and TIH. RU power swivel. Drill from 872' to 968'; fell through. RD swivel. TIH and tag fill on BP at 3394'. TOH with tubing and LD BHA. TIH with FBP and set at 500'. Attempt to pressure test from 3409' to 500', leak 1/2 bpm. TOH with tubing and LD FBP. TIH with 109 joints tubing and retrieving head. SI well. SDFD.
- 12/15/10 Check well pressures: bradenhead has 2 to 5 PSI pressure. RU swivel and tag fill at 3394'. Reverse out sand on RBP at 3409'. Release RBP. Hang back swivel. TOH with tubing and LD RBP. RIH with 3-7/8" Twister bit with DC and tubing. Tag slip remains. Unable to work down. RU swivel. Drill out packer and hang back swivel. TIH with tubing and chase packer to 5640'. PUH. SI well. SDFD.

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## **Bradenhead Repair / P&A Report Cont'd:**

12/16/10 Check well pressures: bradenhead has 10 PSI pressure. TOH with tubing and LD Twister bit. RU Basin Well Logging. Run CBL. Good cement from 430' to surface. TOC at 5040'. Good cement from 3560' to 3000'. PU 4.5" DHS cement retainer and RIH. SI well and wait on P&A plans. SDFD.

12/17/10 Check well pressures: bradenhead has 10 PSI pressure. Verbal approval from COPC engineer on Plugs #1 and #2. Set 4.5" DHS cement retainer at 5103'. Pressure test tubing to 1000 PSI. Circulate well clean.

**Plug #1** with CR at 5103', spot 16 sxs Class B cement (18.88 cf) inside casing from 5103' up to 4893' to cover the Mesaverde interval.

TOH with tubing. RIH with 4.5" DHS cement retainer and set at 3415'.

**Plug #2** with CR at 3415', spot 30 sxs Class B cement (35.4 cf) inside casing from 3415' up to 3020' to cover the Pictured Cliffs interval and the Fruitland, Kirtland tops.

PUH and WOC. SI well. SDFD.

12/20/10 Check well pressures: bradenhead has 10 PSI pressures. Tag cement at 3010'. R. Velarde, JAT- BLM and W. Townsend, BLM approved procedure change.

**Plug #3** spot 16 sxs Class B cement inside casing from 3010' to 2800' to cover the Ojo Alamo top.

TOH with tubing and LD stinger. Perforate 3 squeeze holes at 1658'. RIH with 4.5" DHS cement retainer and set at 1612'. Sting into CR and establish rate 1 bpm at 900 PSI.

**Plug #4** with CR at 1612', mix 59 sxs Class B cement (69.62 cf), squeeze 39 sxs outside 4.5" casing and leave 20 sxs inside casing to 1402' to cover the Nacimiento top.

SI well and WOC. SDFD.

12/21/10 Check well pressures: bradenhead has 6 PSI pressures. Tag cement at 1346'. Attempt to pressure test casing; leak. Perforate 3 squeeze holes at 278'. Attempt to establish rate; pressured up to 500 PSI and bled down to 250 PSI in 1 minute. TIH with tubing to 434'.

**Plug #5** spot 41 sxs Class B cement (48.38 cf) from 434' to surface. TOH and LD tubing. Load casing and squeeze 1 bbl cement with 500 PSI. SI well and WOC.

RD tongs; casing bled down to 0 PSI. ND BOP, work over spool. Dig out wellhead. Tag cement at 127'; no fluid. Cement down 11' in annulus. Issue Hot Work Permit. Cut off wellhead.

**Plug #6** spot 48 sxs Class B cement (56.64 cf) to fill casing and annulus then install P&A marker. RD and MOL.

Jim Yates, Synergy, was on location.

R. Velarde, JAT-BLM, was on location.