

**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  
**BURLINGTON**  
RESOURCES OIL & GAS COMPANY LP

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 J (NWSE), 1560' FSL & 1850' FEL, Section 24, T30N, R11W, NMPM

5. Lease Number  
SF-078171

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Aztec Federal 1

9. API Well No.

30-045-09319

10. Field and Pool

Basin Dakota

11. County and State  
San Juan Co., NM

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

Type of Submission  
X Notice of Intent

Type of Action  
X Abandonment

Change of Plans

Other -

Subsequent Report

Final Abandonment

Recompletion

Plugging

Casing Repair

Altering Casing

New Construction

Non-Routine Fracturing

Water Shut off

Conversion to Injection

RCVD OCT 15 '09

OIL CONS. DIV.

DIST. 3

## 13. Describe Proposed or Completed Operations

Burlington would like to P&A this well per attached procedures and wellbore schematic.

I hereby certify that the foregoing is true and correct.



H<sub>2</sub>S POTENTIAL EXIST

Signed Rhonda Rogers Title Staff Regulatory Technician Date 10/2/09

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_

Date OCT 07 2009

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**

fb

PC

**ConocoPhillips**  
**Aztec Federal #1 (MV DK)**  
**Plug and Abandon**

**Lat** 36° 47' 38.39" N **Long** 107° 56' 24" W

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 Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires the Operator to obtain an approved 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.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_;  
Tubing: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_, Size \_\_\_\_\_, Length \_\_\_\_\_;  
Packer: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_, Type \_\_\_\_\_.  
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate. Round trip a 4.5" casing scraper to 4147' or as deep as possible.
4. **Plug #1 (Chacra perforations and top: 3512' – 3412')**: Perforate 3 squeeze holes at 3512'. Set 4.5" cement retainer at 3462'. Circulate well clean. Mix and pump 80 sxs Class B cement, squeeze 60 sxs below the cement retainer (Extra due to casing leaks) and leave 20 sxs inside casing. TOH with tubing.  

2672 2278
5. **Plug #2 (Pictured Cliffs and Fruitland Coal tops: 2780' – 2573')**: Mix ~~20~~ sxs cement and spot a balanced plug inside casing to cover the Pictured Cliffs and Fruitland tops. PUH with tubing.  

1428 1193
6. **Plug #3 (Kirtland and Ojo Alamo tops: 1446' – 1232')**: Mix ~~20~~ sxs cement and spot a balanced plug inside casing to cover these tops. PUH.
7. **Plug #4 (Surface Casing shoe, 357' to Surface)**: Connect the pump line to the bradenhead valve and attempt to pressure test the BH annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 25 sxs Class B cement and spot a balanced plug inside the casing from 307' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the 4.5" casing from 307' and the BH annulus to surface. Shut well in and WOC.

8. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

# Current Schematic

ConocoPhillips

Well Name: AZTEC FEDERAL #1

API/ UWI	Surface Legal Location	Field Name	License No.	State/ Province	Well Configuration Type	Edit
3004509319	Unit J-24-30N-11W	BSN DK (PRO GAS) #0068		NEW MEXICO		
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB- Ground Distance (ft)	KB- Casing Flange Distance (ft)	KB- Tubing Hanger Distance (ft)		
6,170.00	6,182.00	12.00				

Well Config: - Original Hole, 9/14/2009 9:54:39 AM

ftKB (MD)	Schematic - Actual	From Final
0	Surface Casing Cement, 12-307, 8/16/1964, 175 sx cement. Cemented circulated.	
12	Surface, 8'5/8", 6,097 ft, 12 ftKB, 307 ftKB	
306	Cement Squeeze, 12-588, 8/19/1995, Squeezed hole @ 588' w/ cement.	
307	Cement Squeeze, 230-625, 8/22/1995, 30 sx Cl G cmt. from 230'-625' w/ 75% eff.	
312	Cement Squeeze, 1,043-1,089, 8/23/1995, Holes from 1043'-1089'. Spot 20 sx Cl G cmt. from 832'-1095'.	PICTURED CLIFFS, 2,623
2,623		
2,730		LEWIS, 2,730
2,744	Production Casing Cement, 12-2,745, 9/1/1964, 3rd stage: 525 sx 50/50 poz cmt. + 100 sx 50/50 poz cmt. TOC @ surface (CBL 8/95)	
2,747		
3,295	Hydraulic Fracture, 9/25/2001, 200,000# 20/40 Brady sand; 663 bbls 30# LG w/ 75Q foam; 1,146,500 scf N2.	
3,462		
4,004		
4,147		
4,295		CLIFFHOUSE, 4,295
4,480		MENEFEE, 4,480
4,623		
4,628		
4,676	Hydraulic Fracture, 9/25/2001, 50,000# 20/40 Brady sand; 1,158 bbls SW.	
4,876		
4,912		
4,935		POINT LOOKOUT, 4,935
5,054		
5,057	Hydraulic Fracture, 9/25/2001, 85,000# 20/40 Brady sand; 1,975 bbls SW.	
5,150		MANCOS, 5,150
5,248		
6,180		GALLUP, 6,180
6,915	Hydraulic Fracture, 10/28/1964, 10,000# 40/60 sand; 10,000# 20/40 sand; 24,300 gals SW.	GREENHORN, 6,915
7,033	PBTD, 7,073, New PBTD due to fish. In 2001 milled on fish to 7073' but then decided to quit milling due to prior downhole fire that left fish in hole originally.	
7,041		
7,073		
7,076		
7,105		DAKOTA A, 7,105
7,112	Hydraulic Fracture, 10/28/1964, Frac'd w/ 42,000# 20/40 sand; 49,700 gals slickwater.	
7,128		
7,165		DAKOTA B, 7,165
7,234	Hydraulic Fracture, 10/28/1964, 10,000# 40/60 sand; 14,000# 20/40 sand; 28,100 gals SW.	
7,252		
7,253		
7,267		
7,268	TD, 7,268, 9/1/1964	

# Proposed Wellbore

ConocoPhillips

Well Name: AZTEC FEDERAL #1

API / UWI 3004509319	Surface Legal Location Unit J-24-30N:11W	Field Name BSN DK(PRO GAS) #0068	License No	State/Province NEW MEXICO	Well Configuration Type	Edit
Ground Elevation (ft) 6,170.00	Original KB/RT Elevation (ft) 6,182.00	KB-Ground Distance (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		

Well Config: Original Hole, 9/22/2009 10:08:42 AM

ftKB (MD)	Schematic	Actual	Form Final
0			
12			
306			
307			
312			
1,282			
2,623			
2,730			
2,744			
2,747			
3,295			
3,462			
4,004			
4,147			
4,295			
4,480			
4,623			
4,628			
4,676			
4,876			
4,912			
4,935			
5,054			
5,057			
5,150			
5,248			
6,180			
6,915			
7,033			
7,041			
7,073			
7,076			
7,105			
7,112			
7,128			
7,165			
7,234			
7,252			
7,253			
7,267			
7,268			

Hydraulic Fracture, 9/25/2001,  
200,000# 20/40 Brady sand; 663  
bbls 30# LG w/ 75Q foam;  
1,146,500 scf N2.

Surface Casing Cement, 12-307, 8/16/1964,  
175 sx cement. Cemented circulated  
Surface, 8 5/8in, 8 097in, 12 ftKB, 307 ftKB  
Cement Plug, 12-357  
Cement Plug, 1,232-1,446  
Production Casing Cement, 12-2,745,  
9/1/1964, 3rd stage: 525 sx 50/50 poz cmt +  
100 sx 50/50 poz cmt - TOC @ surface (CBL  
8/95)  
Cement Plug, 2,573-2,780  
Squeeze Holes, 3,295, 9/21/2001  
Cement Plug, 3,412-3,512  
Chacra, 3,462-4,004, 9/25/2001  
Cement Plug, 3,422-3,989, 8/25/2009,  
Re-squeeze Chacra perfs. Did not get a good  
squeeze.  
Cement Squeeze, 3,429-3,989, 8/25/2009

OJO ALAMO, 1,282  
PICTURED CLIFFS,  
2,623  
LEWIS, 2,730

Fill/Cement(Cmt/sand/shale returns),  
4,147-4,623, Could not completely drill out cmt  
plug after squeezing Chacra.  
Bridge Plug - Temporary, 4,623-4,628, Ran the  
bridge plug to isolate the Chacra from the MV  
below.

CLIFFHOUSE, 4,295  
MENELEE, 4,480

Hydraulic Fracture, 9/25/2001,  
50,000# 20/40 Brady sand, 1,158  
bbls SW

Menefee, 4,676-4,876, 9/24/2001

POINT LOOKOUT, 4,935

Hydraulic Fracture, 9/25/2001,  
85,000# 20/40 Brady sand; 1,975  
bbls SW.

Production Casing Cement, 4,278-5,055,  
9/1/1964, 2nd stage: 200 sx 50/50 poz cmt.  
TOC @ 4278' w/ 75 eff.  
Point Lookout, 4,912-5,248, 9/22/2001

MANCOS, 5,150

Cement Squeeze, 5,055-6,107, 2/14/1979,  
Holes from 5055-6107' Squeezed w/ 500 sx  
CI C cmt.

GALLUP, 6,180  
GREENHORN, 6,915

Hydraulic Fracture, 10/28/1964,  
10,000# 40/60 sand; 10,000#  
20/40 sand; 24,300 gals SW.  
PBD, 7,073, New PBD due to  
fish. In 2001 milled on fish to 7073'  
but then decided to quit milling  
due to prior downhole fire that left  
fish in hole originally.

Dakota, 7,033-7,041, 10/14/1964

Dakota, 7,112-7,128, 10/14/1964

DAKOTA A, 7,105

Hydraulic Fracture, 10/28/1964,  
Frac'd w/ 42,000# 20/40 sand;  
49,700 gals slickwater.

Fish, 7,076-7,253, Casing collapsed @ 7082',  
pinched tbq. @ 7082', chemical cut tbq. @  
7076'. Left in hole-sawtooth collar, exp. check,  
seat joint, SN, 6jts tbq, & cut off joint of 5.86'.  
8/31/95

DAKOTA B, 7,165

Hydraulic Fracture, 10/28/1964,  
10,000# 40/60 sand; 14,000#  
20/40 sand, 28,100 gals SW.

Dakota, 7,234-7,252, 10/14/1964  
Production Casing Cement, 6,685-7,268,  
9/1/1964, 1st stage: 150 sx 50/50 poz cmt  
followed by 100 sx reg cmt TOC @ 6685' w/  
75% eff.  
Cement Plug, 7,253-7,268, 9/1/1964  
Production, 4 1/2in, 4,000in, 12 ftKB, 7,268  
ftKB

TD, 7,268, 9/1/1964

**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: 1 Aztec Federal

**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 2672' – 2278'.
  - b) Place the Kirtland/Ojo Alamo plug from 1428' – 1193'.

Note: H2S has been reported in the area of this well. It is imperative that H2S monitoring equipment and personnel be on location during plugging operations.

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.