

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

RECEIVED

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
CONOCOPHILLIPS CO.

3a. Address  
P.O. BOX 2197 WL3 6108 HOUSTON TX 77252

3b. Phone No. (include area code)  
(832)486-2326

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1300 NORTH 2300 EAST  
UL: G, Sec: 23, T: 31N, R: 11W

5. Lease Serial No.  
NMSF 078096

6. If Indian, Allottee or Tribe Name

7. Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
ARCH ROCK 1

9. API Well No.  
30-045-30040

10. Field and Pool, or Exploratory Area  
NOT COMPLETED WC paradox

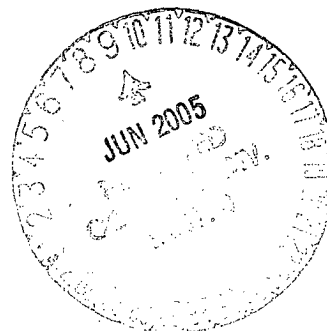
11. County or Parish, State  
SAN JUAN  
NEW MEXICO

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

ConocoPhillips proposes to plug and abandon this well as per the attached procedure. Also attached is a current and proposed wellbore schematic.



14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

DEBORAH MARBERRY

Signature

*Deborah Marberry*

Title

REGULATORY ANALYST

Date

05/27/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Original Signed: Stephen Mason

Title

Date

JUN 06 2005

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

NMOCD

# Arch Rock #1

## Current

Wildcat

1300' FNL & 2300' FEL, Section 23, T-31-N, R-11-W  
San Juan County, NM / API #30-045-30040

Lat: N 36° 53' 15.072" / Long: W 107° 57' 29.808"

Today's Date: 5/20/05

Spud: 3/6/2000

Comp: 6/30/2000

Elevation: 5881' GL  
5910' KB

20" Hole

17.5" Hole

20" 94# Conductor set @ 40'  
50 sxs cement, Circulated to Surface

13.375" 55#, Casing set @ 370'  
434 sxs cement,

### Well History

No Workover of Record

No tubing in well

Ojo Alamo @ 755' \*est

Kirtland @ 835'

TOC @ 1073' (Calc, 75%)

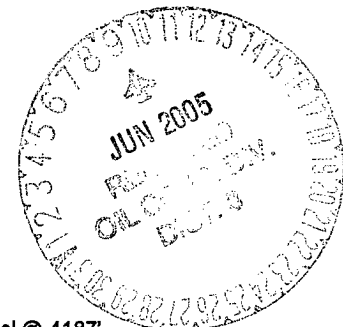
Fruitland @ 2130' \*est

Pictured Cliffs @ 2565'

Mesaverde @ 4165'

Gallup @ 5800' \*est

Dakota @ 6880'



DV Tool @ 4187'  
Cemented with 600 sxs (1746 cf)  
TOC @ DV Tool (Calc, 75%)

DV Tool @ 5762'  
Cemented with 470 sxs (757 cf)  
TOC @ DV Tool (Calc, 75%)

12.25" Hole

PBTD 7265'

Note: Well was P&A'd from  
13,304' to 7265' (2000)

9.625" 47# L-80 Casing @ 7296'  
Cemented with 513 sxs (783 cf)

## Wildcat

**Lat: N 36° 53' 15.072" / Long: W 107° 57' 29.808"**

**5910' KB**

### 17.5" Hole

20" 94# Conductor set @ 40'  
50 sxs cement, Circulated to Surface

13.375" 55#, Casing set @ 370'  
434 sxs cement.

**Plug #7: 420' – Surface**  
Type III cement, 300 sxs

### Perforate @ 420'

**Plug #6: 885' – 705'**  
Type III cement, 158 sxs:  
86 sxs outside casing  
and 72 sxs inside.

**Cmt Retainer @ 835'**

## Perforate @ 885'

TOC @ 1073' (Calc, 75%)

**Plug #5: 2180' – 2080'**  
Type III cement, 47 sxs

**Plug #4: 2615' – 2515'**  
Type III cement, 47 sxs

DV Tool @ 4187'  
Cemented with 600 sxs (1746 cf)  
TOC @ DV Tool (Calc, 75%)

**Plug #3: 4215' – 4115'**  
Type III cement, 47 sxs

DV Tool @ 5762'  
Cemented with 470 sxs (757 cf)  
TOC @ DV Tool (Calc, 75%)

**Plug #2: 5850' – 5750'**  
Type III cement, 47 sxs

**Plug #1: 6930' – 6830'**  
Type III cement, 47 sxs

9.625" 47# L-80 Casing @ 7296'  
Cemented with 513 sxs (783 cf)

Ojo Alamo @ 755' \*est

**Kirtland @ 835'**

**Fruitland @ 2130' \*est**

**Pictured Cliffs @ 2565'**

### Mesaverde @ 4165'

**Gallup @ 5800' \*est**

## Dakota @ 6880'

### 12.25" Hole

**PBTD 7265'**

**Note: Well was P&A'd from 13,304' to 7265' (2000)**

**TD 13.510**

## PLUG AND ABANDONMENT PROCEDURE

May 20, 2005

### Arch Rock #1

Wildcat

1300' FNL & 2300' FEL, Section 23, T31N, R11W  
San Juan County, New Mexico, API 30-045-30040  
Lat: 36° 53' 15.072" N / Long: 107° 57' 29.808" 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 ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Install and test rig anchors. Prepare blow 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.
2. Tally and prepare 2-3/8" EUE tubing workstring.
3. <sup>84</sup> <sup>84</sup> **Plug #1 (Dakota top, 6930' – 6830')**: TIH with open ended tubing to 6930'. Load casing and circulate well clean. Pressure test casing to 1000#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 47 sxs Type III cement and set a balanced plug inside casing to cover the Dakota top. PUH to 5850'.
4. <sup>6175</sup> <sup>6075</sup> **Plug #2 (Gallup top, 5850' – 5750')**: Mix 47 sxs Type II cement and spot balanced plug inside casing to cover the Gallup top. PUH to 4215'.
5. **Plug #3 (Mesaverde top, 4215' – 4115')**: Mix 47 sxs Type III cement and spot balanced plug inside casing to cover the Mesaverde top. PUH to 2415'.
6. <sup>2595</sup> <sup>2495</sup> **Plug #4 (Pictured Cliffs top, 2615' - 2515')**: Mix 47 sxs Type III cement and spot balanced plug inside casing to cover through the PC top. PUH to 2180'.
7. <sup>2223'</sup> <sup>2123'</sup> **Plug #5 (Fruitland top, 2480' - 2080')**: Mix 47 sxs Type III cement and spot balanced plug inside casing to cover through the Fruitland top. TOH with tubing.
8. <sup>1083'</sup> <sup>955'</sup> <sup>1055'</sup> **Plug #6 (Kirtland and Ojo Alamo tops, 885' – 705')**: Perforate 3 squeeze holes at 885'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 9.625" wireline cement retainer at 885'. TIH and sting into CR. Establish rate into squeeze holes. Mix and pump 158 sxs cement, squeeze 86 sxs outside the casing and leave 72 sxs inside to cover the Kirtland and Ojo Alamo tops. TOH and LD tubing. *Kirtland 1083'-1060' (inside) 1055'-955' inside above.*
9. **Plug #7 (13.375" casing shoe, 420' – Surface)**: Perforate 3 squeeze holes at 420'. Establish rate into squeeze holes and circulation to surface out the bradenhead. Mix approximately 300 sxs Type III cement and pump down the 9.625" casing to circulate good cement out bradenhead. Shut in well and WOC.
10. 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.