

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.****SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF 077382
2. Name of Operator CONOCOPHILLIPS CO.		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 2197 WL3 6108 HOUSTON, TX 77252		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 832.486.2326 Fx: 832.486.2764		8. Well Name and No. HARGRAVE A 3
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 16 T27N R10W NWNE 990FNL 1650FEL		9. API Well No. 30-045-06558
		10. Field and Pool, or Exploratory FLUCHER KUTZ PICTURED CLIFFS
		11. County or Parish, and State SAN JUAN COUNTY, NM

## 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 and 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.	
Electronic Submission #27486 verified by the BLM Well Information System For CONOCOPHILLIPS CO., sent to the Farmington Committed to AFMSS for processing by STEVE MASON on 02/03/2004 ()	
Name (Printed/Typed) DEBORAH MARBERRY	Title SUBMITTING CONTACT
Signature (Electronic Submission)	Date 02/03/2004

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Original Signed: Stephen Mason	Title	FEB 06 2004
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 and Title 43 U.S.C. Section 1212, make 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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

NMOCD

### Fulcher Kutz Pictured Cliffs

**Lat: N 36^47.17" / Long: W 107^ 53.48" / API #30-045-06558**

Elevation: 6082' GL

9-5/8" 36# J-55 Casing set @ 96'  
75 sxs cement, (Circulated to Surface)

**Mar '77:** Pull 1" tubing. Ran 3-1/2" casing and set at 2000', cement with 70 sxs. Perforate, acidize and frac the PC zone. Clean out and land 1-1/4" tubing.

**Nov '01:** TOH with tubing. RIH with 2-7/8" blade bit and work down to 1971'. Set RBP at 1910'. PT casing to 2500#. Re-stimulate PC zone. Clean out and blow well. Land 2-1/16" tubing.

Kirtland @ 1090' (est)

2-1/16" Tubing set at 1945'  
(62 joints, IJ)

**Fruitland @ 1550' (est)**

TOC @ 1570', (Calc 75%)

**Pictured Cliffs @ 1920'**

5-1/2" 14#, J-55 Casing at 1922'  
Cemented with 100 sxs, drilled to  
2001' and then Nitro shot openhole.

**Pictured Cliffs Perforations:  
1924' – 1970'**

3-1/2" Casing set at 2000'  
Cemented with 125 sxs (191 cf)  
Calculates to circulate to surface.

**TD 2001'**

## PLUG AND ABANDONMENT PROCEDURE

February 2, 2004

### Hargrave A #3

Fulcher Kutz Pictured Cliffs

990' FNL & 1650' FEL Section 16, T27N, R10W, San Juan County, New Mexico

API #30-045-06558 / Lat: N 36° 47.17 / Long: W 107° 53.488"

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 is ASTM Type II, mixed at 15.6ppg with a yield of 1.18 cf/sx.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and ConocoPhillips safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and tally 62 joints 2-1/16" tubing, total 1945'. If necessary LD tubing and PU workstring. Round-trip 3-1/2" gauge ring to 1874'.
3. **Plug #1 (Pictured Cliffs interval, 1874' - 1774')**: Set a 3-1/2" wireline CIBP at 1874'. TIH with tubing and tag CIBP. Circulate well clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 9 sxs cement and spot a balanced plug inside the 3-1/2" casing above the CIBP to isolate the Pictured Cliffs interval. TOH with tubing.
4. **Plug #2 (Fruitland top, <sup>1684</sup>1568' - <sup>1584</sup>1500')**: ~~Perforate 3 squeeze holes through the 3-1/2" and 5-1/2" casings at 1565'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 3-1/2" cement retainer at 1550'. Establish rate into squeeze holes. Mix and pump 35 sxs cement, squeeze 28 sxs outside the 5-1/2" casing and leave 7 sxs inside the 3-1/2" casing. TOH with tubing.~~
5. **Plug #3 (Kirtland and Ojo Alamo tops, <sup>1119</sup>1140' - <sup>862</sup>880')**: ~~Perforate 3 squeeze holes through the 3-1/2" and 5-1/2" casings at 1140'. Attempt to establish rate into squeeze holes if the casing pressure tested. Mix and pump 131 sxs cement down the 3-1/2" casing, squeeze 111 sxs outside the 5-1/2" casing and leave 20 sxs inside the 3-1/2" casing. If the casing leaks, then set a 3-1/2" CR at 1000' and squeeze plug under. TOH and LD tubing.~~
6. **Plug #4 (9-5/8" casing shoe, 146' - Surface)**: Perforate 3 squeeze holes through the 3-1/2" and 5-1/2" casings at 146'. Establish circulation down 3-1/2" casing and out bradenhead annulus. Mix and pump approximately 50 sxs cement down 3-1/2" casing to circulate good cement out bradenhead valve. Shut in well and WOC.
7. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

# Hargrave A #3

## Proposed P&A

Fulcher Kutz Pictured Cliffs

990' FNL & 1650' FEL Section 16, T-27-N, R-10-W, San Juan County, NM

Lat: N 36°47.17" / Long: W 107° 53.48" / API #30-045-06558

Today's Date: 2/2/04

Spud: 1/30/50

Comp: 3/5/50

Elevation: 6082' GL

12-1/4" Hole

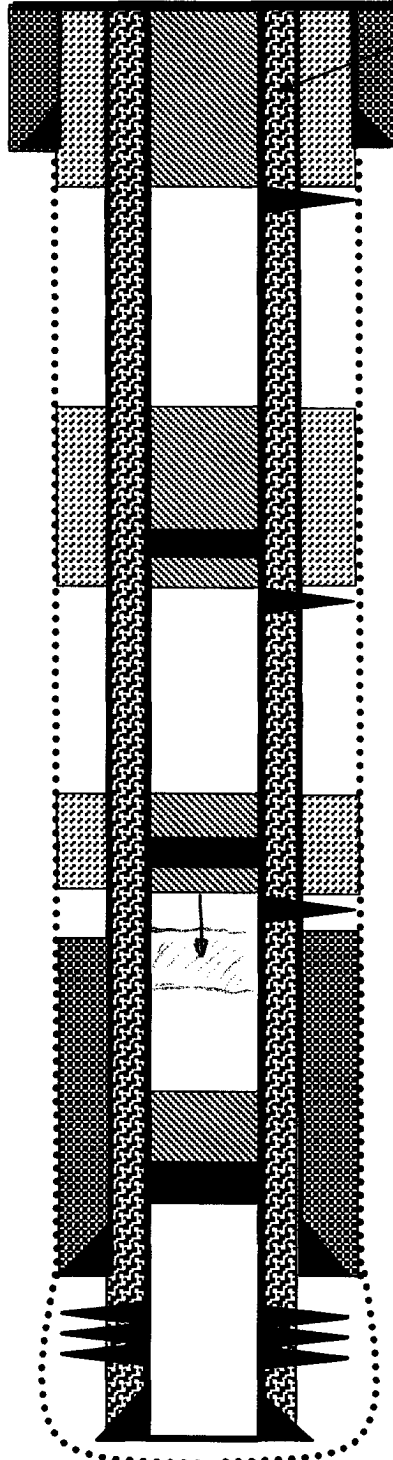
Ojo Alamo @ 930' (est)  
12

Kirtland @ 1090' (est)  
67

Fruitland @ 1550' (est)  
1634

Pictured Cliffs @ 1920'

8-3/4" Hole  
3,954'



TD 2001'

$$\begin{aligned} 146/19.479(1.18) &= 6 \text{ sxs} \\ 50/3.9589(1.18) &= 11 \text{ sxs} \\ 96/3.716(1.18) &= 22 \text{ sxs} \\ \hline &39 \text{ sxs} \end{aligned}$$

TOC @ surface, (Calc 75%)

9-5/8" 36# J-55 Casing set @ 96'  
75 sxs cement, (Circulated to Surface)

Perforate @ 146'

Plug #4: 146' - Surface  
Cement with 50 sxs

1019 862  
Plug #3: 1440' - 880'  
Cement with 131 sxs,  
111 sxs outside 5-1/2" casing  
and 20 sxs inside.

Cmt Retainer @ 1090'

$$\begin{aligned} \text{inside } (1019 - 862) \times 50 / 19.479(1.18) &= 13 \text{ sxs} \\ \text{outside } (1019 - 862) \times 2 / 3.9589(1.18) &= 10 \text{ sxs} \end{aligned}$$

Perforate @ 1140'

123 sxs

Cmt Retainer @ 1550'

1684 1585  
Plug #2: 1665' - 1500'  
Cement with 35 sxs,  
28 sxs outside 5-1/2" casing  
and 7 sxs inside.

Perforate @ 1565'

$$150 / 19.479(1.18) = 7 \text{ sxs}$$

TOC @ 1570', (Calc 75%)

Plug #1: 1874' - 1774'  
Cement with 9 sxs

Set CIBP @ 1874'

$$9(19.479)(1.18) = 207'$$

5-1/2" 14#, J-55 Casing at 1922'  
Cemented with 100 sxs, drilled to  
2001' and then Nitro shot openhole.

Pictured Cliffs Perforations:  
1924' - 1970'

3-1/2" Casing set at 2000'  
Cemented with 125 sxs (191 cf)  
Calculates to circulate to surface.