

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.		5. LEASE DESIGNATION AND SERIAL NO. SF-078194
SUBMIT IN TRIPLICATE		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. IF UNIT OR CA, AGREEMENT DESIGNATION LUDWICK LS	8. WELL NAME AND NO. LUDWICK LS # 24
2. NAME OF OPERATOR CONOCO INC.	9. API WELL NO. 30-045-11779	10. FIELD AND POOL, OR EXPLORATORY AREA AZTEC PICTURED CLIFFS
3. ADDRESS AND TELEPHONE NO. P.O. Box 2197, DU 3066, Houston, TX 77252-2197	11. COUNTY OR PARISH, STATE SAN JUAN COUNTY, NM	
4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description) 850' FNL-1850' FWL, Section 6, T29N-R10W, Unit Letter 'C'		

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other: PLUG AND ABANDON <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PLEASE SEE ATTACHED SUMMARY PROVIDED BY A-PLUS WELL SERVICE.

14. I hereby certify that the foregoing is true and correct		
SIGNED <u>Debra Sittner</u> (This space for Federal or State office use)	TITLE <u>DEBRA SITTNER, As Agent for Conoco Inc.</u>	DATE <u>10/24/00</u>
APPROVED BY _____ Conditions of approval, if any:	TITLE _____	DATE _____
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.		

* See Instruction on Reverse Side

NMOCD

NOV 2000

OFFICE

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 * Fax: 505-325-3211

Conoco Inc.

Ludwick LS #24

Unit C, NE, NW Section 6, T-29-N, R-10-W

San Juan County, NM

Lease No. SF-078194, API No. 30-045-11779

October 17, 2000

Page 1 of 1

Plug & Abandonment Report

Cementing Summary:

Plug #1 with CIBP at 2301', spot 32 sxs Class B cement in two 16 sxs stages inside the casing up to 1138' to isolate Pictured Cliffs perforations and to cover Fruitland and Kirtland tops.

Plug #2 with retainer at 1008', mix 34 sxs Class B cement, squeeze 28 sxs outside 2-7/8" casing from 1055' to 955' and leave 6 sxs inside casing to cover Ojo Alamo top with final squeeze pressure of 1800#.

Plug #3 with 87 sxs Class B cement pumped down the 2-7/8" casing from 189' to surface, circulate 1 bbl good cement out bradenhead.

Plugging Summary:

Notified BLM on 10/10/00

10-11 Road rig and equipment to location. Spot rig in; no anchors. SDFD.

10-12 Safety Meeting. Found location is not ready, anchors not set and tested. Prepare to move to Hughes B #18, found it too muddy to move on to. Wait for anchors to be set. Held Safety Meeting. RU rig and equipment. Open up well and blow down 80# casing pressure. ND wellhead and NU BOP, test. RU A-Plus wireline truck and round-trip 2-7/8" gauge ring to 2325'. Set 2-7/8" PlugWell CIBP at 2301'. Shut in well and SDFD.

10-15 Safety Meeting. Tally and PU 71 joints A-Plus 1-1/4" workstring and TIH. Tag CIBP at 2301'. Load casing and circulate clean with 20 bbls water; pressure test to 500# for 5 min, held OK. Plug #1 with CIBP at 2301', spot 32 sxs Class B cement in two 16 sxs stages inside the casing up to 1138' to isolate Pictured Cliffs perforations and to cover Fruitland and Kirtland tops. PUH to 1138' and reverse circulate hole clean, circulate out 1/2 bbl cement. TOH with tubing. Perforate 3 bi-wire squeeze holes at 1105'. Attempt to establish rate into squeeze holes, pressured up to 1500#, unable to break down. M. Wade with BLM, required procedure change to perforate at 1050'. Perforate 3 bi-wire squeeze holes at 1055'. Establish rate into squeeze holes 1-1/2 bpm at 1200#. Set 2-7/8" PlugWell wireline cement retainer at 1008'. TIH with tubing and sting in and out of retainer. Load casing and sting into retainer; establish rate into squeeze holes 1-1/2 bpm at 1200#. Attempt to pump Plug #2 when suction tubing on cement truck broke. Shut in well and SDFD.

10-16 Safety Meeting. Sting out of retainer and load hole with water, found full. Sting back into retainer and establish rate 1-1/4 bpm at 1200#. Plug #2 with retainer at 1008', mix 34 sxs Class B cement, squeeze 28 sxs outside 2-7/8" casing from 1055' to 955' and leave 6 sxs inside casing to cover Ojo Alamo top with final squeeze pressure of 1800#. TOH and LD tubing. RU A-Plus wireline truck and perforate 2 bi-wire squeeze holes at 189'. Establish circulation out bradenhead with 10 bbls water. Plug #3 with 87 sxs Class B cement pumped down the 2-7/8" casing from 189' to surface, circulate 1 bbl good cement out bradenhead. Shut in well and WOC. Partially RD rig and equipment. Dig out and cut off wellhead; found cement down 10' in 2-7/8" casing and down 6' in annulus. Mix 10 sxs Class B cement to fill casing and annulus and install P&A marker. Move off location. M. Wade with BLM, was on location.