

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.*

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

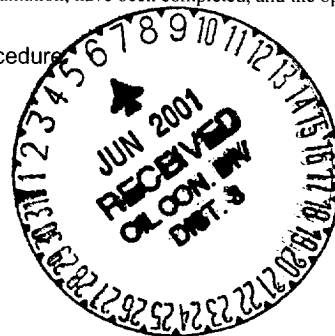
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM011583
2. Name of Operator CONOCO INC		6. If Indian, Allottee or Tribe Name
Contact: (None Specified)		7. If Unit or CA/Agreement, Name and/or No.
3a. Address PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197	3b. Phone No. (include area code) Ph: 281.293.1613	8. Well Name and No. OTERO <del>SEVERAL</del> 4
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T24N R6W Mer SWNE 1765FNL 1840FEL 36.30083 N Lat, 107.43471 W Lon		9. API Well No. 30-039-82328-00-S1
		10. Field and Pool, or Exploratory BALLARD
		11. County or Parish, and State RIO ARRIBA 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.)

Conoco Inc. proposes to Plug and Abandon the above mentioned well as per attached procedure



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

**Electronic Submission #4313 verified by the BLM Well Information System  
For CONOCO INC, sent to the Farmington  
Committed to AFMSS for processing by Maurice Johnson on 05/23/2001 (01MXJ1950SE)**

Name (Printed/Typed) (None Specified)

Title

Signature

Date 05/16/2001

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

Approved By

Title

Date

6/4/01

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

# Otero #4

Current

Ballard Pictured Cliffs

NE, Section 23, T-24-N, R-6-W, Rio Arriba County, NM

API #30-039-82328

Lat: N 36°18.0 / Long: W 107° 26.1

Today's Date: 05/09/01

Spud: 5/25/60

Completed: 6/13/60

Elevation: 6544' GL  
6554' KB

12-1/4" hole

9-5/8" 32.3# Casing set @ 100'  
Cmt w/100 sxs (Circulated to Surface)

TOC @ 114' (Calc, 75%)

Ojo Alamo @ 1530'

Kirtland @ 1705'

Fruitland @ 1865'

Pictured Cliffs @ 2097'

Tapered Tubing String set at 2185'  
(1-1/2", 1.9" OD, 2.75 # down to 1606',  
then 3/4", 1.05" OD, 1.2# set at 2185 )

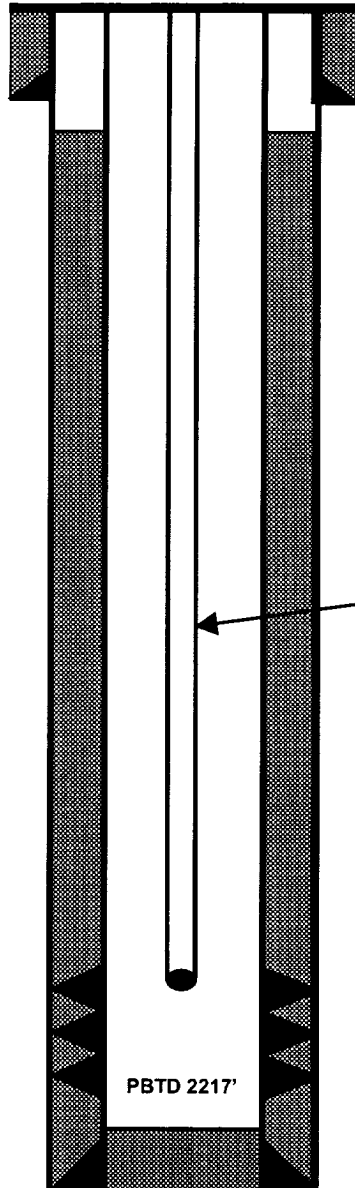
Pictured Cliffs Perforations:  
2099' – 2161'

PBTD 2217'

8-3/4 " Hole

7" 20# Casing set @ 2246'  
Cemented with 425 sxs (646 cf)

TD 2246'



## Otero #4

### Proposed P&A

Ballard Pictured Cliffs

NE, Section 23, T-24-N, R-6-W, Rio Arriba County, NM

API #30-039-82328

Lat: N 36°18.0 / Long: W 107° 26.1

Today's Date: 05/09/01

Spud: 5/25/60

Completed: 6/13/60

Elevation: 6544' GL  
6554' KB

12-1/4" hole

9-5/8" 32.3# Casing set @ 100'  
Cmt w/100 sxs (Circulated to Surface)

TOC @ 114' (Calc, 75%)

**Perforate @ 150'**

**Plug #3 150' - Surface**  
Cement with 65 sxs

Ojo Alamo @ 1530'

**Plug #2 1755' - 1453'**  
Cement with 68 sxs

Kirtland @ 1705'

Fruitland @ 1865'

**Plug #1 2049' - 1815'**  
Cement with 55 sxs

Pictured Cliffs @ 2097'

**Set CIBP @ 2049'**

Pictured Cliffs Perforations:  
2099' - 2161'

PBTD 2217'

7" 20# Casing set @ 2246'  
Cemented with 425 sxs (646 cf)

8-3/4" Hole

TD 2246'

## PLUG AND ABANDONMENT PROCEDURE

5/9/01

### Otero #4

Ballard Pictured Cliffs  
1765' FNL & 1840' FEL, Section 23, T24N, R6W  
Rio Arriba County, New Mexico  
API #30-039-82328  
Lat: N 36°18.0 / Long: W 107° 26.1

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, (15.6ppg, 1.18 cf/sx).

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Conoco 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 1606' of 1-1/2" tubing and then 571' of 3/4" tubing, total tally 2185'; LD 3/4" tubing when TOH. Prepare approximately 435' of 2-3/8" or 1-1/4" workstring. Visually inspect 1-1/2" tubing, if necessary LD and PU workstring. Round-trip 7" gauge ring or casing scraper to 2049' or as deep as possible.
3. **Plug #1 (Pictured Cliffs perforations and Fruitland top, 2049' – 1815')**: Set a 7" wireline CIBP or cement retainer at 2049'. TIH with 1-1/2" tubing and workstring to tag CIBP. Load casing with water and circulate the well clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 55 sxs cement and spot a balanced plug inside casing above the CIBP to isolate the Pictured Cliffs perforations and to cover the Fruitland top. PUH to 1755'.
4. **Plug #2 (Kirtland and Ojo Alamo tops, 1755' – 1453')**: Mix 68 sxs cement and spot a balanced plug inside casing to cover the trough the Ojo Alamo top. TOH and LD tubing.
5. **Plug #3 (9-5/8" Surface casing, 150' - Surface)**: Establish a rate into the bradenhead. If the bradenhead pressure tests to 300#, then modify the surface plug as appropriate. Perforate 2 HSC squeeze holes at 150'. Establish circulation out bradenhead valve. Mix and pump approximately 65 sxs cement down 7" casing to circulate good cement out the bradenhead valve. Shut well in and WOC.
6. 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.