Form 3160-5
(August 1999)

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.

5. Lease Serial No.
NMNM020503

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
~~PUBCO~~ FEDERAL 1

2. Name of Operator
CONOCO INC

Contact: DEBORAH MARBERRY
E-Mail: deborah.a.marberry@conoco.com

9. API Well No.
30-045-08819-00-S1

3a. Address
PO BOX 2197, DU 3084
HOUSTON, TX 77252-2197

3b. Phone No. (include area code)
Ph: 281.293.1005
Fx: 281.293.5090

10. Field and Pool, or Exploratory
AZTEC

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*

Sec 1 T29N R11W NWNE 0990FNL 1650FEL
36.75856 N Lat, 107.93904 W Lon

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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 recompletion 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.)

OCD Reference #RBDMS CTP0220051548

Conoco intends to plug and abandon this well using the attached procedure. Also attached is the current and proposed wellbore schematic.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #13353 verified by the BLM Well Information System
For CONOCO INC, sent to the Farmington
Committed to AFMSS for processing by Steve Mason on 08/02/2002 (02SXM0443SE)

Name *(Printed/Typed)* DEBORAH MARBERRY — Title SPECIALIST

Signature (Electronic Submission) — Date 08/02/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON — Title PETROLEUM ENGINEER — Date 08/06/2002

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 Farmington

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 ****

NMOCD

PLUG AND ABANDONMENT PROCEDURE

8/1/02

Federal #1
Aztec Pictured Cliffs
990' FNL, 1650' FWL, Section 1, T29N, R11W
San Juan County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.

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 visually inspect 1-1/2" tubing (2150'). If necessary LD and PU 2-3/8" tubing workstring. Round trip a 5-1/2" gauge ring or casing scraper to 2150'.

3. **Plug #1 (Pictured Cliffs open hole and Fruitland tops, 2150' - 1780'):** GIH and set a 5-1/2" CR at 2150'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. Mix 49 sxs cement and spot a balanced plug inside casing above the CR to isolate the Pictured Cliffs interval and to cover Fruitland top. TOH with tubing.
   Plug base of Ojo #(1116 - 1060 inside)
4. **Plug #2 (Ojo Alamo top, 1050' – 885'):** Perforate 3 HSC squeeze holes at 1050'. Establish rate into squeeze holes if casing tested. Set 5-1/2" cement retainer at 1000'. Establish rate below retainer into squeeze holes. Mix 96 sxs cement, squeeze 71 sxs cement outside 5-1/2" casing and leave 25 sxs cement inside casing to cover Ojo Alamo top. TOH with tubing.

5. **Plug #3 (9-5/8" surface casing, 150' - surface):** Perforate 3 HSC squeeze holes at 150'. Establish rate out bradenhead valve. Mix and pump approximately 70 sxs cement down 5-1/2" casing and circulate good cement out 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.

Federal #1

Current

Aztec Pictured Cliffs

NW, Section 1, T-29-N, R-11-W, San Juan County, NM

Long: N 36o 45.5' / Lat: W 1070 56.3'

Today's Date: **8/1/02**

Spud: 2/11/56

Completed: 4/1/56

Elevation: 5872' GI
5880' KB

12-1/4" hole

9-5/8" 23.3#, H-40 Casing set @ 100'
Cement with 100 sxs (Circulated to Surface)

Well History

Well recently failed bradenhead test -
NMOCD requires repair or plugging.

Ojo Alamo @ 935'

1-1/2" Tubing set at 2257'
(106 joints)

Kirtland @ 1070'

TOC @ 1060' (Calc, 75%)

Fruitland @ 1830'

Pictured Cliffs @ 2200'

8-3/4" hole

5-1/2" 14#, J-55 Casing set @ 2230'
Cemented with 270 sxs (394 cf)

Pictured Cliffs Open Hole:
2230' - 2266'

4-3/4" hole

TD 2266'

Federal #1

Proposed P&A

Aztec Pictured Cliffs

NW, Section 1, T-29-N, R-11-W, San Juan County, NM

Long: N 36o 45.5' / Lat: W 1070 56.3'

Today's Date: **8/1/02**

Spud: 2/11/56

Completed: 4/1/56

Elevation: 5872' Gl
5880' KB

12-1/4" hole

9-5/8" 23.3#, H-40 Casing set @ 100'
Cmt w/ 100 sxs (Circulated to Surface)

Perforate @ 150'

Plug #3 150' - Surface
Cement with 70 sxs
150 / 7.299 (1.18) = 17 sxs
50 / 3.9589 (1.18) = 11 sxs
100 / 3.5 (1.18) = 24 sxs
52 sxs

(1050 - 885) + 50 / 7.299 (1.18) = 25 sxs
(1050 - 885) 2 / 3.9589 (1.18) = 71 sxs

Ojo Alamo @ 925' 40

Plug #2 1050' - 885'
Cement with 96 sxs,
71 sxs outside casing
and 25 sxs inside.

Cmt Retainer @ 1000'

1116' - 1060' inside casing
6½ sxs

Perforate @ 1050'

Kirtland @ 1070' 66

TOC @ 1060' (Calc, 75%)

Fruitland @ 1820' 79

Plug #1 2150' - 1780'
Cement with 49 sxs
(2150 - 1780) + 50 / 7.299 (1.18) = 49 sxs

Pictured Cliffs @ 2200' 22

Set CIBP @ 2150'

8-3/4" hole
3.9589 cf/ft

5-1/2" 14#, J-55 Casing set @ 2230'
Cemented with 270 sxs (394 cf)

Pictured Cliffs Open Hole:
2230' - 2266'

4-3/4" hole

TD 2266'