

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Conoco, Inc.

3. Address and Telephone No.

10 Desta Dr. Ste 100W, Midland, TX 79705

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

1850' FNL & 1450' FEL  
Sec. 29, T-27N, R-11W

5. Lease Designation and Serial No.

SF 078896

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Mudge Federal No.2

9. API Well No.

30-045-13050

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

It is proposed to plug and abandon this well according to the attached procedure and wellbore schematics.

RECEIVED  
AUG - 4 1995

OIL CON. DIV.  
DIST. 3

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

Signed

*Jerry M. Moore*

Title Sr. Conservation Coordinator

Date 7/19/95

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

AUG 01 1995

*Chip Harada*

DISTRICT MANAGER

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 or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

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## PLUG AND ABANDONMENT PROCEDURE

7-6-95

Mudge Federal #2 (Dk)  
NE, Sec. 29, T27N, 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.

1. Install and test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and Conoco safety rules and regulations.
  2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line to flow back tank. Blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
  3. Pull seal assembly from 4-1/2" Baker Model "D" packer at 6330'. POH and LD 6453' 1-1/2" NU tubing and seal assembly. PU 2" tubing work string. Run casing scraper or gauge ring to 6300'.
  4. **Plug #1 (Dakota perforations, 6454' - 6250')**: PU 4-1/2" cement retainer and RIH; set at 6300'. Pressure test tubing to 1000#. Load well with water and pressure test casing to 500#. Mix and pump 29 sacks Class B cement, squeeze 24 sxs under cement retainer and spot 5 sxs above to cover the Dakota perforations and top. POH to 5444'.
  5. **Plug #2 (Gallup top, 5444' - 5344')**: Mix 12 sxs Class B cement and set a balanced plug from 5444' to 5344' inside casing over Gallup top. POH to 2775'.
  6. **Plug #3 (Mesaverde top, 2775' - 2675')**: Mix 12 sxs Class B cement and spot balanced plug from 2775' to 2675' inside casing over Mesaverde top. POH to 1900'.
  7. **Plug #4 (Pictured Cliffs and Fruitland tops, 1900' - 1450')**: Mix 38 sxs Class B cement and spot balanced plug from 1900' to 1450' inside casing. POH with tubing.
  8. **Plug #5 (Kirtland and Ojo Alamo tops, 900' - 658')**: Perforate 3 or 4 squeeze holes at 900'. Establish rate into squeeze holes if casing tested. PU 4-1/2" cement retainer and RIH; set at 850'. Establish rate into squeeze holes. Mix 115 sxs Class B cement, squeeze 93 sxs cement outside 4-1/2" casing to cover from 900' to 658' and leave 22 sxs cement inside casing to cover Ojo Alamo. POH and LD setting tool and tubing.
  9. **Plug #6 (Surface)**: Perforate 2 holes at 251'. Establish circulation out bradenhead valve. Mix approximately 110 sxs Class B cement and pump down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
  10. ND BOP and cut off well head below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors.
  11. Restore location per BLM stipulations.
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# Mudge Federal #2

## CURRENT

Basin Dakota

NE, Section 29, T-27-N, R-11-W, San Juan County, NM

Today's Date: 7/6/95

Spud: 4/7/61

Completed: 4/27/61

13-3/4" hole

10-3/4" 32.5#, Csg set @ 201'  
160 sxs cement (Circulated to Surface)

### Workover History

1/67: Casing leak; depth not determined; set packer.

1/70: Pull tbg and replace bad jts; land tubing

12/72: Pull tbg and replace bad jts; land tubing.

10/73: Pull tbg; found holes in casing 4300' to 2620'; sqzd w/400 sxs cmt; drill out and land w/1-1/2" tbg in Model D.

TOC @ 1455'  
(Calc, 75%)

DV Tool @ 2037'  
150 sxs cement

Casing leaks from 4300' to 2620';  
Sqzd with 400 sxs cmt.

1-1/2" NU tbg @ 6453'

TOC @ 5354' (Calc, 75%)

Baker "D" Pkr @ 6330'

Dakota Perforations:  
6427' - 6454'

Ojo Alamo @ 708'

Kirtland @ 850'

Fruitland @ 1500'

Pictured Cliffs @ 1850'

Mesaverde @ 2725'

Gallup @ 5394'

Dakota @ 6423'

PBTD 6479'

Assumed  
7-7/8" Hole

TD 6519'

4-1/2" 10.5#, J-55 casing set @ 6510'  
300 sxs cement

# Mudge Federal #2

## Proposed P & A Basin Dakota

NE, Section 29, T-27-N, R-11-W, San Juan County, NM

Today's Date: 7/6/95

Spud: 4/7/61

Completed: 4/27/61

13-3/4" hole

10-3/4" 32.5#, Csg set @ 201'  
160 sxs cement (Circulated to Surface)

Perforate @ 251'

Plug #6 251' - Surface  
Cmt w/110 sxs Class B.

Cement Rt @ 850'

Plug #5 900' - 658'  
Cmt w/93 sxs outside casing  
and 22 sxs inside casing.

Perforate @ 900'

TOC @ 1455'  
(Calc, 75%)

Plug #4 1900' - 1450'  
Cmt w/38 sxs Class B.

DV Tool @ 2037'  
150 sxs cement

Plug #3 2775' - 2675'  
Cmt w/12 sxs Class B.

Casing leaks from 4300' to 2620';  
Sqzd with 400 sxs cmt.

TOC @ 5354' (Calc, 75%)

Plug #2 5444' - 5344'  
Cmt w/12 sxs Class B.

Cement Rt @ 6300'

Baker "D" Pkr @ 6330'

Dakota Perforations:  
6427' - 6454'

Plug #1 6454' - 6250'  
Cmt w/24 sxs Class B under  
CR and 5 sxs above.

PBTD 6479'

Assumed  
7-7/8" Hole

TD 6519'

4-1/2" 10.5#, J-55 casing set @ 6510'  
300 sxs cement

Ojo Alamo @ 708'

Kirtland @ 850'

Fruitland @ 1500'

Pictured Cliffs @ 1850'

Mesaverde @ 2725'

Gallup @ 5394'

Dakota @ 6423'

**UNITED STATES DEPARTMENT OF THE INTERIOR**

**BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE**

1235 La Plata Highway  
Farmington, New Mexico 87401

**Attachment to Notice of**

**Intention to Abandon**

**Re: Permanent Abandonment**

**Well: 2 Mudge Federal**

**CONDITIONS OF APPROVAL**

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
  2. **Mike Flaniken** with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
  3. The following modifications to your plugging program are to be made (when applicable):
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