Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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BLM
95 JUN -1 PM 12: 30
070 FARMINGTON, NM

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.
NMSF-046563

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

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

8. Well Name and No.
McLeod No. 2E

2. Name of Operator
Conoco, Inc.

9. API Well No.
30-045-24054

3. Address and Telephone No.
10 Desta Dr. Ste 100W, Midland, TX 79705

10. Field and Pool, or Exploratory Area
Basin Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1530' FNL & 930' FWL
Sec. 34, T-28S, R-10W

11. County or Parish, State
San Juan

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☒ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ 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.)*

Approval is requested to plug and abandon this well according to the attached procedure and wellbore diagrams.

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JUN - 7 1995
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct
Signed Tony W Hoover Title Sr. Conservation Coordinator Date 5/30/95

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

AS AMENDED
NMOCD
JUN 05 1995

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

PLUG & ABANDONMENT PROCEDURE

5-22-95

McLeod #2E (Dk)
NW, Sec. 34, T28N, R10W
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 location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM, and Conoco safety regulations.

2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Record casing and tubing pressures. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.

3. Pull up to release Baker Model R-3 packer at 6296'. POH and tally 2-3/8" EUE tubing (6296', tailpipe?). LD packer and visually inspect tubing, if necessary PU 2" tubing workstring.

4. **Plug #1 (Dakota perforations, 6300' to 6200')**: RIH with casing scraper or wireline gauge ring to 6300'. Set wireline CIBP at 6300'. RIH with open ended tubing to 6300'. Load casing with water and attempt to pressure test to 500#. Mix 12 sxs Class B cement and spot a balanced plug from 6300' to 6200' above CIBP. POH with tubing.

5. **Plug #2 (Gallup top, 5672' - 5572')**: Perforate 3 or 4 squeeze holes at 5672'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 5622'. Pressure test tubing to 1000#. Establish rate into Gallup squeeze holes. Mix 46 sxs Class B cement and squeeze 29 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover Gallup top. POH to 3904'.

6. **Plug #3 (Mesaverde zone, 3904' - 3474')**: Mix 54 sxs Class B cement and spot a balanced plug from the casing leak interval to the top of Mesaverde. POH to 1962'.

7. **Plug #4 (Pictured Cliffs top, 1962' - 1862')**: Mix 17 sxs Class B cement and spot a balanced plug from 1962' to 1862' over Pictured Cliffs top. POH with tubing. PT casing.

8. **Plug #5 (Fruitland, Kirtland and Ojo Alamo tops, 1532' - 881')**: Perforate 3 or 4 squeeze holes at 1532'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 1480'. Establish rate into Fruitland squeeze holes. Mix 208 sxs Class B cement and squeeze 191 sxs cement outside 5-1/2" casing from 1532' to 881' covering the Ojo Alamo top; and leave 17 sxs cement inside casing from 1532' to 1432' to cover Fruitland top. POH to 1152'.

9. **Plug #6 (Kirtland and Ojo Alamo tops, 1152' - 881')**: Mix 36 sxs Class B cement and spot a balanced plug from 1152' to 881' to cover the Kirtland and Ojo Alamo tops. POH.

10. **Plug #7 (Surface)**: Perforate 2 or 3 squeeze holes at 362'. Establish circulation out bradenhead valve. Mix and pump approximately 100 sxs Class B cement from 362' to surface, circulate good cement out bradenhead valve. Shut in well and WOC.

11. ND BOP and cut off wellhead below surface casing. Install P&A marker with cement to comply with regulations. RD, MOL, cut off anchors, and restore location.

McLeod #2E

Current

Basin Dakota

NW Section 34, T-28-N, R-10-W, San Juan County, NM

Today's Date: 5/21/95
Spud: 10/19/81
Completed: 12/16/81

12-1/4" hole

8-5/8" 24# K-55 Csg set @ 312'
240 sxs cement (Circulated to Surface)

WORKOVER HISTORY

Mar '83: Set CR at 6550'; Sqzd lowe
Dk perfs w/100 sxs; perf & frac Dk
6344' - 6510'; ran 2" tubing.

Jun '87: Found csg leak from 3870' t
3904'; sqzd w/100 sxs; no PT; set
packer at 6296' with 12000# down.

Ojo Alamo @ 931'

Kirtland @ 1102'

Fruitland @ 1482'

Top of Cmt @ 1870' (CBL)

Pictured Cliffs @ 1962'

DV Tool @ 2471'
(Cmt w/ 425 sxs)

Mesaverde @ 3524'

3393'

Csg leak 3878-3904';
sqzd with 100 sxs cmt.

3904'

2-3/8" 4.7# J-55 tubing set @ 6296'

Gallup @ 5622'

Top of Cmt @ 6160' (CBL)

Baker Model R-3 Pkr @ 6296'

Dakota @ 6428'

Dakota Perforations:
6344 - 6377', 6440' - 6510'

PBTD 6550'

Lower Dakota Perforations:
6630' - 6650'; P&A'd 6/'83

7-7/8" Hole

5-1/2" 15.5# Casing @ 6647'
Cmt w/ 175 sxs

TD 6647'

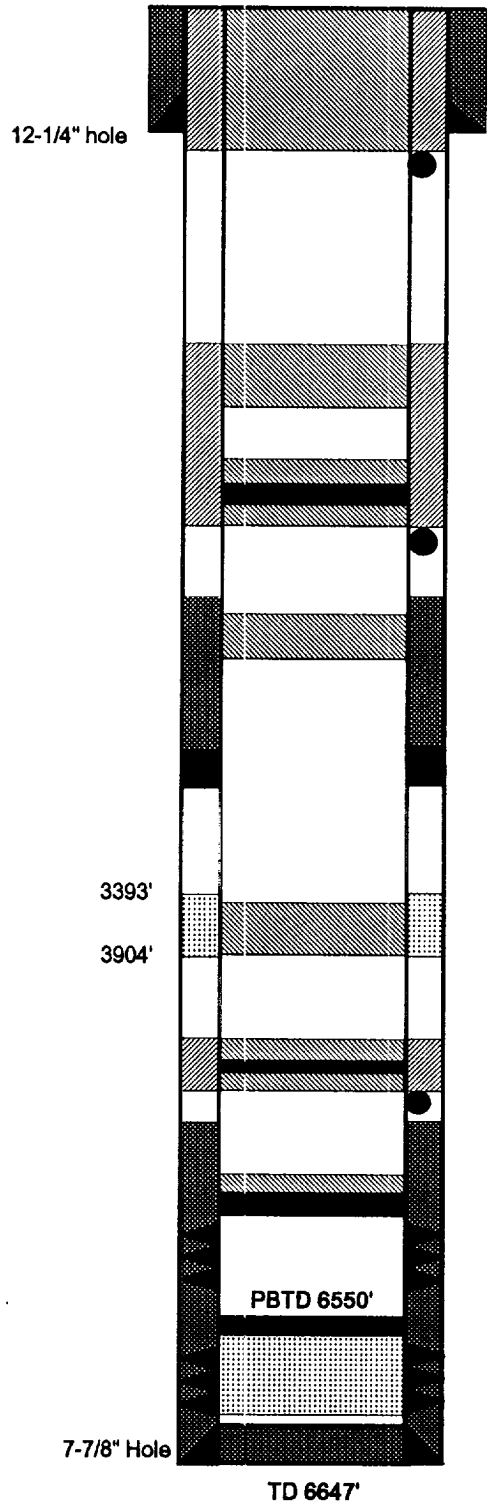
McLeod #2E

Proposed P & A

Basin Dakota

NW Section 34, T-28-N, R-10-W, San Juan County, NM

Today's Date: 5/21/95
Spud: 10/19/81
Completed: 12/16/81



8-5/8" 24# K-55 Csg set @ 312'
240 sxs cement (Circulated to Surface)

Perforate @ 362'

Plug #7 362' - Surface with 100 sxs Class B cement.

Ojo Alamo @ 931'

Kirtland @ 1102'

Plug #6 1152' - 881' with 36 sxs cement inside casing

Fruitland @ 1482'

Cement Rt @ 1480'

Perforate @ 1532'

Top of Cmt @ 1870' (CBL)

Plug #5 1532' - 881' with 191 sxs cmt outside csg; 1532' - 1432' with 17 sxs Class B cement inside csg.

Pictured Cliffs @ 1962'

Plug #4 1962' - 1862' with 17 sxs Class B cement.

DV Tool @ 2471'
(Cmt w/ 425 sxs)

Mesaverde @ 3524'

Csg leak 3878-3904'; sqzd with 100 sxs cmt.

Plug #3 3904' - 3474' with 54 sxs Class B cement.

Gallup @ 5622'

Cement Rt @ 5622'

Perforate @ 5672'

Top of Cmt @ 6160' (CBL)

Plug #2 5672' - 5572' with 46 sxs cement, 29 sxs outside and 17 sxs inside.

CIBP @ 6300'

Dakota Perforations:
6344 - 6377', 6440' - 6510'

Plug #1 6300' - 6200' with 12 sxs Class B cement, (above wireline set CIBP).

Dakota @ 6428'

Lower Dakota Perforations:
6630' - 6650'; P&A'd 6/'83

5-1/2" 15.5# Casing @ 6647'
Cmt w/ 175 sxs