

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. COMMISSION
P.O. BOX 1980
ALBUQUERQUE, NEW MEXICO 88240

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)

660' FNL & 2050' FEL
Sec. 35, T-20S, R-38E

5. Lease Designation and Serial No.

LC 0634589

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Warren Unit No. 90

9. API Well No.

30-025-27544

10. Field and Pool, or Exploratory Area

Blinberry

11. County or Parish, State

Lea

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:

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

Signed Sam W. Hoover Title Sr. Conservation Coordinator Date 5/23/94

(This space for Federal or State official use)

(FORG. SGD.) JOE G. LARA

Approved by _____ Title PETROLEUM ENGINEER Date 6/16/94

Conditions of approval, if any: Subject to attached conditions of approval and setting an additional cement plug from 1486'-1636' (across 9 3/8" CSG shoe) + tag.

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.

**Warren Unit No.90
Permanently Plug and Abandon**

I. Well Data: DTD: 7750'
GLE: 3566' KBE: 3577'

Location: 660' FNL & 2050' FEL, Sec.35, T-20S, R-38E, Lea, NM.

Battery and Lift Equipment Modifications:

Two remaining wells produce to Warren battery 2.

II. Summary of Proposed Work:

1. Spot 35' of cement on RBP from 5844'-5809'.
2. Circulate casing with heavy mud.
3. Spot 25 sx floating plug from 3000'-2847'.
4. Spot 25 sx surface plug from 153'-surface.
5. Prepare surface location.

III. Tubular Specs

OD (in)	Wt. (ppf)	Grade	Drift ID (in)	Interval (ft)	Burst (psi)	Capacity (bbl/ft)	(ft3/ft)
9-5/8	36	K-55	8.765	0-1561	3520	.0773	.4340
7	26	K-55	6.151	0-7750	4980	.0382	.2148
2-7/8	6.4	N-80	2.347	Workstring	10570	.00579	.03250

Annular Capacity: 7" X 2-7/8" = 0.0302 bbl/ft
0.1697 ft3/ft

Casing Cement

OD (In)	Wt. (ppf)	Grade	Cement Total sxs	TOC
9-5/8	36	K-55	610 sxs	CIRC
7	26	K-55	3182 sxs	CIRC

- Note:
1. All cement slurry used in this procedure shall be Class "C" w/ 2% CaCl mixed at 14.8 ppg.
 2. All mud shall be 10 ppg brine w/ 25 pounds of gel/bbl.
 3. Notify BLM prior to commencing any work.

IV. Recommended Procedure

1. MI & RU. Bleed well pressure down. Kill well with 10 ppg brine if necessary.
2. GIH w/ basket and spot 6 sxs (35') of cement on top of the existing RBP @ 5844'. Cement cap will be from 5844'-5809'.
3. RIH w/ 2-7/8" workstring to 5800'. Load and circulate hole with 10 ppg mud.
4. PUH to 3000'. Spot a 25 sx (153') floating cement plug from 3000'-2847'.
5. PUH to 153'. Spot a 25 sx (153') surface cement plug from 153'-surface.
6. Cut off all casing strings at the base of the cellar or 3' below the final restored ground level (whichever is deeper).
7. Fill the casing strings (if necessary) from the cement surface plug to surface with cement.
8. Cover the wellbore with a metal plate at least 1/4" thick, welded in place, or a cement cap extending radially at least 12" beyond the surface casing and at least 4" thick.
9. Erect an abandonment marker according to the following specs:
 - a. Marker must be 4" diameter pipe, 10' long with 4' above restored ground level and embedded in cement.
 - b. Marker must be capper and inscribed with the following well information:

Warren Unit No.90
Unit B, Sec.35, T-20S, R-38E
Lea County, NM
Date
10. Cut off dead man anchors below ground level and remove markers. Fill in cellar.
11. Remove all equipment, concrete basis, and pipe not in use. Clean and restore location to its natural state. Re-seed according to BLM requirements.

CURRENT WELLBORE DIAGRAM WARREN UNIT NO.90

NEW MEXICO FEDERAL UNIT
660' FNL, 2050' FEL, SEC. 35, T-20S, R-38E, LEA CO. NM

GLE: 3566'.

KBE: 3577'.

SURFACE CASING

9 5/8", 36#, K-55, @ 1561'

W/ 610 SX. TOC @ CIRC

RETRIEVABLE BRIDGE PLUG @ 5844'.

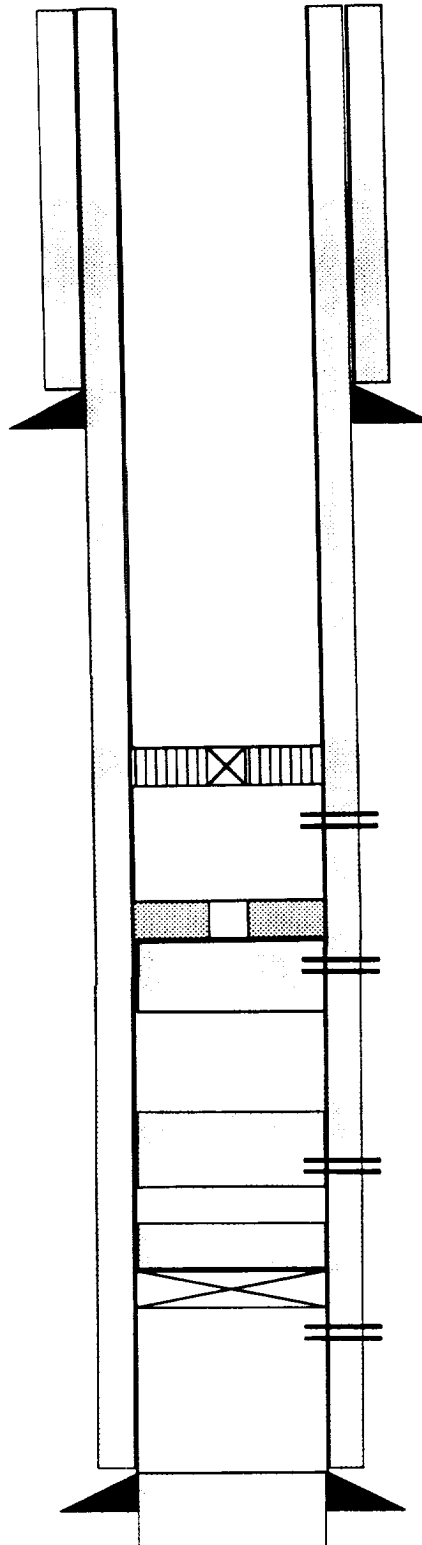
CEMENT RETAINER @ 6125' W/ 100 SX CMT.

CAST IRON BRIDGE PLUG @ 6810' W/ 35'
CMT ON TOP.

PRODUCTION CASING

7", 26# K-55 @ 7750'

W/ 3182 SX. TOC @ CIRC



UPPER BLINEBRY PERFS:
5944'-6087'.

LOWER BLINEBRY PERFS:
6136'-6388'. SQZ W/ 100 SX CMT.

TUBB PERFS: 6551'-6725'.
SQZ W/ 100 SX CMT.

ABO PERFS: 7074'-769

TD: 7750'

J.MILLER

DATE: 05/19/94

P & A WELLBORE DIAGRAM

WARREN UNIT NO.90

NEW MEXICO FEDERAL UNIT

660' FNL, 2050' FEL, SEC. 35, T-20S, R-38E, LEA CO. NM

25 SXS OF CMT @ SURFACE.

GLE: 3566'.

KBE: 3577'.

SURFACE CASING

9 5/8", 36#, K-55, @ 1561'

W/ 610 SX. TOC @ CIRC

25 SXS OF CMT @ 3000'.

RETRIEVABLE BRIDGE PLUG @ 5844'.

W/ 35' CMT ON TOP.

CEMENT RETAINER @ 6125' W/ 100 SX CMT.

UPPER BLINEBRY PERFS:

5944'-6087'.

LOWER BLINEBRY PERFS:

6136'-6388'. SQZ W/ 100 SX CMT.

TUBB PERFS: 6551'-6725'.

SQZ W/ 100 SX CMT.

CAST IRON BRIDGE PLUG @ 6810' W/ 35'
CMT ON TOP.

ABO PERFS: 7074'-7697'.

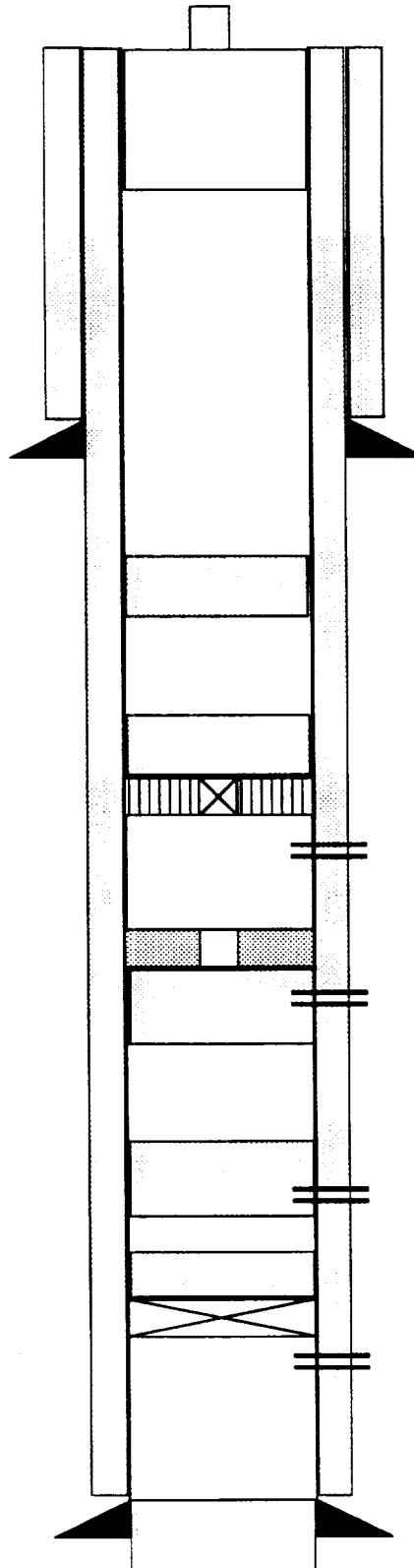
PRODUCTION CASING

7", 26# K-55 @ 7750'

W/ 3182 SX. TOC @ CIRC

TD: 7750'

DATE: 05/19/94



J.MILLER

BUREAU OF LAND MANAGEMENT
CARLSBAD RESOURCE AREA

Permanent Abandonment of Wells on Federal Lands

Conditions of Approval

1. Approval: Plugging operations shall commence within 90 days from the approval date of plugging procedure.
2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Eddy County call (505)887-6544 ; for wells in Lea County call (505) 393-3612.
3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet ; and a 5M system for a well not deeper than 22,727 feet.
4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.
5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" , for up to 7,500 feet of depth, mixed at 14.8 lbs./gal. with 6.3 gallons of fresh water per sack or class "H" , for deeper than 7,500 feet plugs, mixed at 16.4 lbs./gal. with 4.3 gallons of fresh water per sack.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).
7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

Following the submittal and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.

RECEIVED

JUL 2 1961

OCD HOBBS
GENL