

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RE: V:
OFFICE FOR DEPOSIT
OF COPIES REQUIRED
(Other instructions on
reverse side)

30-025-31208
NM Roswell District
Modified Form No.
NMO60-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ OTHER Water injection ☒ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Conoco Inc.

3. ADDRESS OF OPERATOR
10 Desta Drive West, Midland, TX 79705

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1980' FNL & 1980' FEL
At proposed prod. zone Blinebry

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH 6550' 6800'

20. ROTARY OR CABLE TOOL
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 3525'

22. APPROX. DATE WORK WILL START*
4-14-91

5. LEASE DESIGNATION AND SERIAL NO.
LC 0634588

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Warren Unit

8. FARM OR LEASE NAME

9. WELL NO.
102

10. FIELD AND POOL OR WILDCAT
Warren Blinebry-Tubb

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T-20S, R-38E

12. COUNTY OR PARISH
Lea

13. STATE
NM

PROPOSED CASING AND CEMENTING PROGRAM Lea County Controlled Water Basin

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	26#	K-55	ST&C	1500'	1350sxs CIRCULATE
8-3/4"	7"	26#	K-55	LT&C	6800'	3100sxs CIRCULATE

It is proposed to drill this well in the Warren Blinebry-Tubb Waterflood as an injector in the newly created Warren Blinebry-Tubb Pool, which will commingle the Blinebry and Warren Tubb Pools for the purpose of secondary recovery in this project area. A NMOCD hearing for approval of this project and the new commingled pool is scheduled for 1/24/91.

Attachments

- 1) Well Location and Acreage Dedication Plat.
- 2) Attachment to Form 3160-3.
- 3) Proposed Well Plan Outline.
- 4) Surface Use Plan.
- 5) EXHIBIT A - New Mexico road map.
- 6) EXHIBIT B - Lease road map.
- 7) EXHIBIT B.1 - Location facility plat.
- 8) EXHIBIT C - Rig layout plat.
- 9) BOP Specifications.
- 10) H2S Drilling Operations Plan

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Jerry M. Hoover TITLE Regulatory Coordinator DATE 1-9-91
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 4-2-91
CONDITIONS OF APPROVAL _____

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1900, Hobbs, NM 88240

DISTRICT II
P.O. Denver DD, Artesia, NM 88210

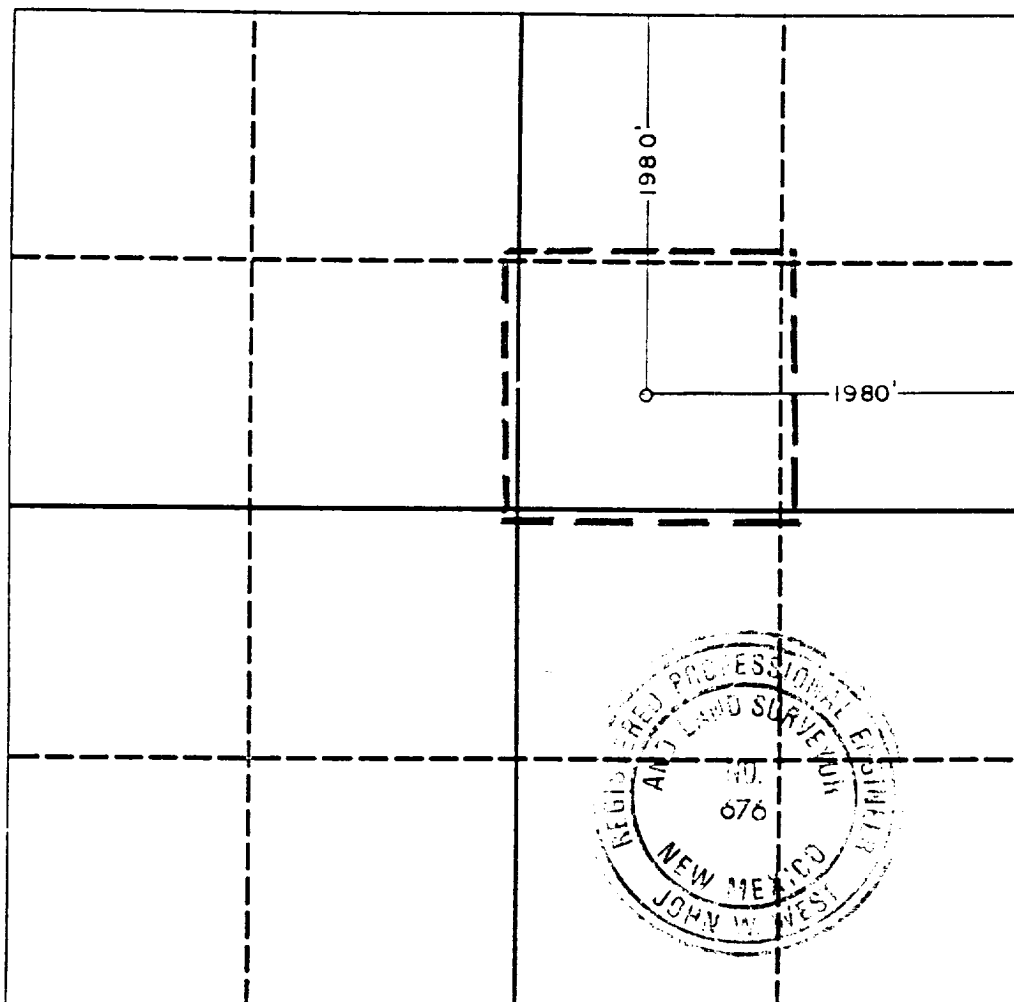
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator CONOCO, INC.			Lease Warren Unit		Well No. 102
Unit Letter G	Section 34	Township 20 SOUTH	Range 38 EAST	County LEA	
Actual Footage Location of Well: 1980 feet from the NORTH line and 1980 feet from the EAST line					
Ground level Elev. 3525.0	Producing Formation Blinebry - Tubb		Pool Warren Blinebry-Tubb		Dedicated Acreage: 4.0 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Gerry W. Hoover
Printed Name
Gerry W. Hoover
Position
Regulatory Coordinator
Company
Conoco Inc.
Date
2/26/91

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
12-20-90
Signature & Seal of Professional Surveyor
John W. West
Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

ATTACHMENT TO FORM 3160-3
APPLICATION FOR PERMIT TO DRILL

Conoco Inc.

Warren Unit No. 102
Sec. 34, T-20S, R-38E
Lea County, New Mexico

1. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan Outline.
2. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on the attached Proposed Well Plan Outline.
3. A drawing of Blowout Preventer Specifications is attached. Pipe rams and blinds will be checked to the working pressure of the stack or 70% of the minimum internal yield strength of the casing whichever is less. BOPE will be checked when casing string is set.
4. The proposed casing program is as follows:
 - 0-1500': 9-5/8", 36# K-55
 - 0-6550': 7", 26# K-55
5. The proposed mud program is as follows:
 - 0-1500': 8.4-8.6# Fresh Water
 - 1500'-5800': 10.0# Brine
 - 5800'-6550': 10.0# Salt Gel/Starch
6. Run open-hole logs from 2500'-6550'. The log suite will include the following:
1) GR-CAL-DLL-MSFL, 2) GR-CAL-FDC-CNL-PE. A temperature survey will be run to determine the top of cement on each casing string where cement is not circulated.
7. Special Drilling Problems:
 - a) Possible hole enlargement & sloughing, 0'-4500'.
 - b) Possible lost circulation 4500'-TD.
8. The anticipated starting date is 4-14-91 with a duration of approximately 17 days.

BOP SPECIFICATIONS

