

30025-31216

RRM Romwell District  
Modified Form No.  
NMO60-3160-2

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC 0634580	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER water injection SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Conoco Inc.		7. UNIT AGREEMENT NAME Warren Unit	
3. ADDRESS OF OPERATOR 10 Desta Drive West, Midland, TX 79705		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FNL & 710' FEL Unit H At proposed prod. zone Commingled Blinebry/Tubb		9. WELL NO. 103	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Warren Blinebry-Tubb	
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. REC., T., R., M., OR BLK. AND SURVEY OR AREA sec.26, T-20S, R-38E	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		12. COUNTY OR PARISH Lea	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 3556.6		13. STATE NM	
16. NO. OF ACRES IN LEASE		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
19. PROPOSED DEPTH 6900'		20. ROTARY OR CABLE TOOLS Rotary	
22. APPROX. DATE WORK WILL START* 6-6-91			

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	6900'	3224sxs-SEE STIPS.

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 NMOC 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 C - Rig layout plat.
- 8) BOP Specifications.
- 9) H<sub>2</sub>S Drilling operations Plan

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

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. Brown TITLE Regulatory Coordinator DATE 1-9-91  
(This space for Federal or State office use)  
PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 1-9-91  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions On Reverse Side

# OIL CONSERVATION DIVISION

**P.O. Box 2088**

**Santa Fe, New Mexico 87504-2088**

**DISTRICT I**  
**P.O. Box 1980, Hobbs, NM 88240**

**DISTRICT II**  
P.O. Drawer 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. 103
Unit Letter H	Section 26	Township 20 SOUTH	Range 38 EAST NMPM	County LEA
Actual Footage Location of Well:				
1980 feet from the NORTH line and		710 feet from the EAST line		
Ground level Elev. 3556.6	Producing Formation Blinberry-Tubb	Pool Warren Blinberry-Tubb	Dedicated Acreage: 40 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. 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.?  <input type="checkbox"/> Yes    <input type="checkbox"/> No    If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary. _____)</p> <p>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.</p>				
			<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p>	
			<p>Signature <i>[Signature]</i></p> <p>Printed Name Derry W. Hoover</p> <p>Position Regulatory Coordinator</p> <p>Company Conoco Inc.</p> <p>Date 1/21/91</p>	
			<p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p>	
			<p>Date Surveyed 12-20-90</p> <p>Signature &amp; Seal of Professional Surveyor <i>[Signature]</i></p> <p>Professional Surveyor JOHN W. WEST RONALD J. EIDSON</p>	

**ATTACHMENT TO FORM 3160-3**  
**APPLICATION FOR PERMIT TO DRILL**

**Conoco Inc.**

**Warren Unit No. 103**  
**Sec. 26, 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  
1500'-6900': 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'-6900': 10.0# Salt Gel/Starch
6. Run open-hole logs from 2500'-6900'. 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 6-6-91 with a duration of approximately 17 days.

## BOP SPECIFICATIONS

