

Form 3160-3  
(July 1989)  
(formerly 9-331C)

U.S. DEPT. OF THE INTERIOR  
P.O. BOX 1010  
HOBBS, N.M. MEXICO 88240  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING  
OFFICE NUMBER  
OF COPY REQUIRED  
(Other instructions on  
reverse side)

30-025-32492

BLM Roswell District  
Modified Form No.  
NMD60-3160-2

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 031695B	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <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 Dr. Ste 100W, Midland, TX 79705		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface: 2105' FNL & 660' FWL At proposed prod. zone: Blinebry-Tubb/Drinkard Unit E		9. WELL NO. 115	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE		10. FIELD AND POOL OR WILDCAT Warren Blinebry-Tubb/	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Sec. 28, T-20S, R-38E	
16. NO. OF ACRES IN LEASE		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DP, RT, GR, etc.) 3534'		22. APPROX. DATE WORK WILL START 5/1/94	

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"	36#	K-55	ST&C	1500'	700 sx/circ.
8-3/4"	7"	23#	K-55	LT&C	6975'	1220 sx/circ.

It is proposed to drill this Blinebry-Tubb/Drinkard oil well according to the plan submitted in the following attachments:

1. Well Location and Acreage Dedication Plat (C-102)
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.1: Lease road & well location maps
7. EXHIBIT B.2: Well Location Map
8. EXHIBITS B.3: 7.5" Quadrangle Topo Area Map
9. EXHIBIT C.1-C.9: Road, flowline, & powerline
10. EXHIBIT D: Rig Layout Plan
11. BOP Specifications
12. 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 Joseph M. Hoover TITLE Sr. Conservation Coordinator DATE 2/24/94  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE (Lacking)  
APPROVED BY Ron Denton TITLE AREA MANAGER DATE APR 10 1994

CONDITIONS OF APPROVAL, IF ANY:

None  
Comments and  
Special Instructions  
Attached

\*See Instructions On Reverse Side

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

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 1980, Hobbs, NM 88240

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

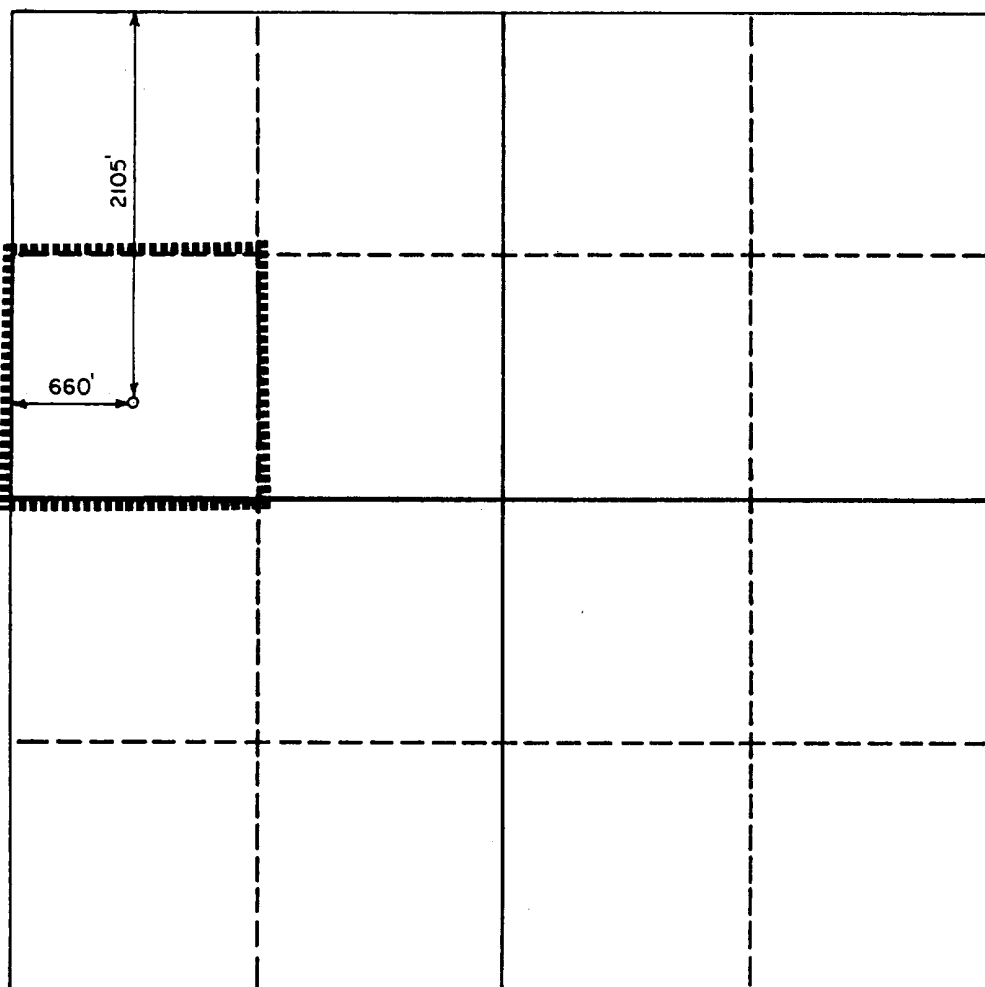
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

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. 115
Unit Letter E	Section 28	Township 20 SOUTH	Range 38 EAST	County LEA	
Actual Footage Location of Well: 2105 feet from the NORTH line and 660 feet from the WEST line					
Ground level Elev. 3534	Producing Formation Blinebry-Tubb		Pool Warren Blinebry-Tubb		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
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).
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.?  
☐ 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.



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

OPERATOR CERTIFICATION

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

Signature

Printed Name

Position

Sr. Conservation Coordinator  
Company

Conoco Inc.

Date

2/22/94

SURVEYOR CERTIFICATION

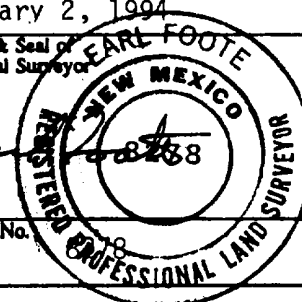
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

February 2, 1994

Signature & Seal of  
Professional Surveyor

Certificate No.



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

**Conoco Inc.**

**Warren Unit No. 115**  
**Sec. 28, 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. BOP will be checked when casing string is set.
4. The proposed casing program is as follows:

0-1500':	9-5/8"	36#	K-55
0-6975':	7"	23	K-55
5. The proposed mud program is as follows:

0-1200':	8.4# Fresh
1500'-5600':	10.0# Saturated Brine
5600'-6975':	9.2# Brine w/starch
6. The logging suite will include the following open-hole logs:  
1) GR-CAL-DLL-MSFL-CNL-LDT from TD-2500' and 2) CBIL from TD-2500'. 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) Lost circulation 4000'-5000'.
  - b) Possible differential sticking 5000'-5500'.
8. The anticipated starting date is 5-1-94 with a duration of approximately 17 days.

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PROPOSED WELL PLAN OUTLINE

WELL NAME **WARREN UNIT NO. 115**  
LOCATION **2105' FNL 660' FWL SECT. 28 T-20S R-38E LEA CO.**

TVD IN 1000'	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE	DEPTH	FRAC GRAD	FORMATION PRESSURE GRADIENT	WT	MUD TYPE	DAYS
0					12-1/4"					8.4	FRESH	
1		RUSTLER 1430'				9-5/8"	1500'					3
2		B/SALT 2525'		2-MAN MUD LOGGERS ON AT 2500'						10	BRINE	
3		YATES 2730'										
4		7-RIVERS 2985'										
5		GRAYBURG 3575'		H2S MONITOR ON AT 4000'								
6		SAN ANDRES 4040'										
7			POSSIBLE LOST CIRCULATION AND SEEPAGE		8-3/4"						BRINE STARCH	
8		GLORIETTA 5355'		CASES OF DIFFERENTIAL STICKING THROUGH GLORIETTA TO TOTAL DEPTH								
9		BLINEBRY 5805'										
10		TUBB 6315'		GR-CAL-DDL-MSFL 2500' - TD		7"	TD					17
11		DRINKARD 6605'		GR-CAL-PDC-CNL-PE 2500' - TD								
12		TD @ 6975'										
13												
14												
15												
16												

DATE \_\_\_\_\_

APPROVED D.W. EUBANK  
DRILLING ENGINEER

\_\_\_\_\_  
\_\_\_\_\_

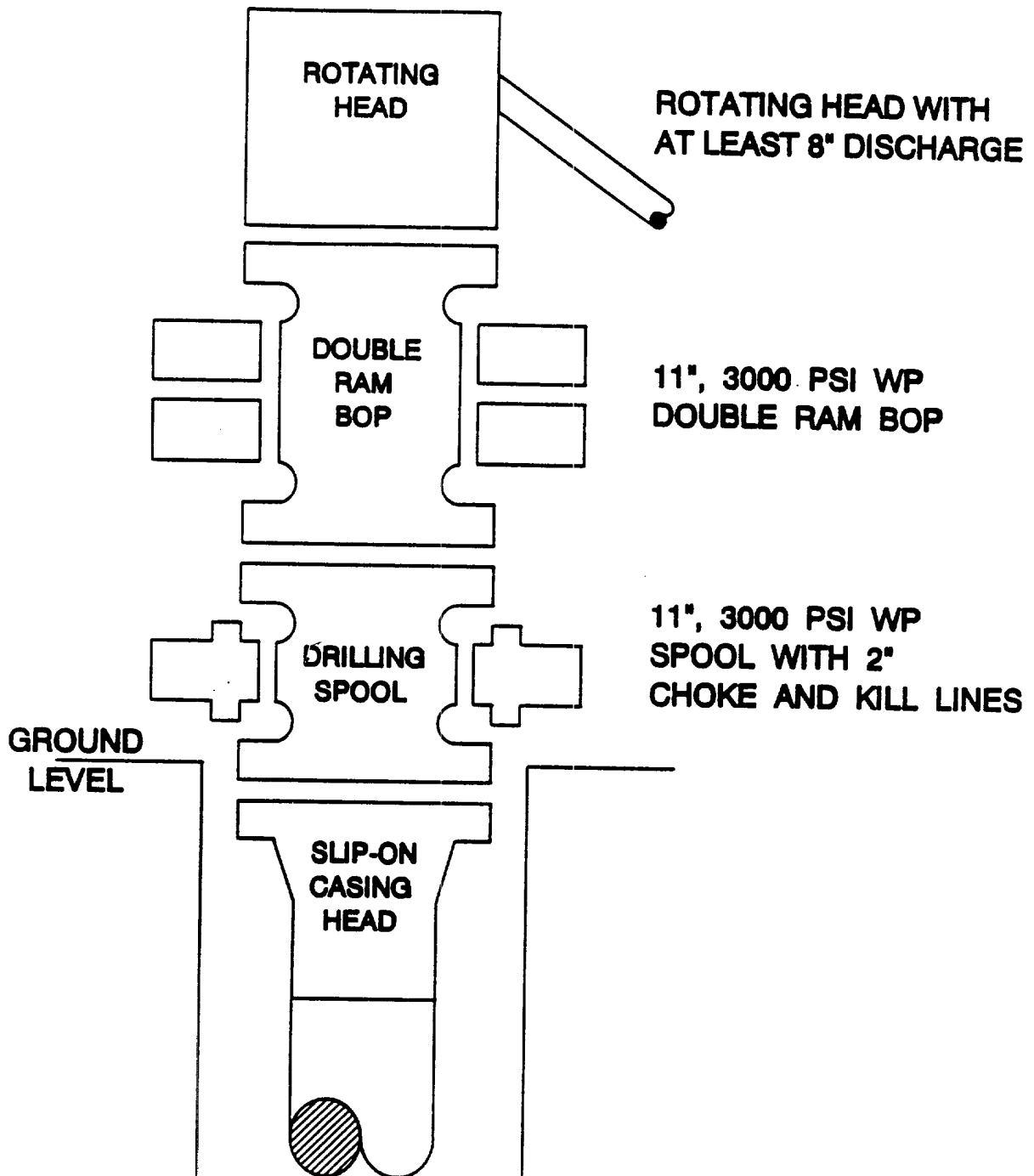
BOP SPECIFICATIONS

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# BOP SPECIFICATIONS





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hp-9-b