

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

N.M. OIL CONS. COMMISSION  
P.O. BOX 980  
HOBBS, NEW MEXICO 88240  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

30-025-32491

NM Roswell District  
Modified Form No.  
NMO-3160-2

5. LEASE DESIGNATION AND SERIAL NO.  
LC 031695B-031670 (mt)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Warren Unit

8. FARM OR LEASE NAME

9. WELL NO.  
114

10. FIELD AND POOL OR WILDCAT  
Warren Blinebry-Tubb/Drinkard

11. SEC., T., R., M., OR BLK.  
AND SUBSECT OR AREA  
Sec. 28, T-20S, R-38E

12. COUNTY OR PARISH  
Lea

13. STATE  
NM

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

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☒

2. NAME OF OPERATOR

Conoco, Inc.

3a. Area Code & Phone No.

(915) 686-6548

3. ADDRESS OF OPERATOR

10 Desta Dr. Ste 100W, Midland, TX 79705

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

660' FNL & 1980' FWL

At proposed prod. zone

Blinebry-Tubb/Drinkard

Unit C

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

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH  
6975'

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.

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DP, RT, GR, etc.)

3550'

22. APPROX. DATE WORK WILL START

5/1/94

23.

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 drilling 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.7: Flowline plats
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.

24.

SIGNED

*James W. Hoon*

TITLE

Sr. Conservation Coordinator

DATE

2/24/94

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

*(locking)*

APPROVED BY

*Alan Dunton*

TITLE

AREA MANAGER

DATE

APR 19 1994

CONDITIONS OF APPROVAL, IF ANY:

Approved Subject to  
General Requirements and  
Special stipulations  
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

OPER. OGRID NO. 005073  
PROPERTY NO. 003123  
POOL CODE 12445  
EFF. DATE 2-24-94  
API NO. 30-025-32491  
BUREAU OF LAND MANAGEMENT  
RECEIVED  
FEB 25 1994  
DIST. 6 N.M.  
Carlsbad, New Mexico

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OFFICE

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. 114
Unit Letter C	Section 28	Township 20 SOUTH	Range 38 EAST	County LEA
Actual Footage Location of Well: 660 feet from the NORTH line and 1980 feet from the WEST line				
Ground level Elev. 3550	Producing Formation Blinebry-Tubb	Pool Warren Blinebry-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, force-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>Jerry W. Hoover</i></p> <p>Printed Name Jerry W. Hoover</p> <p>Position Sr. Conservation Coordinator</p> <p>Company Conoco Inc.</p> <p>Date 2/22/94</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 February</p> <p>Signature &amp; Seal of Professional Surveyor <i>Earl B. Bote</i></p> <p>Certificate No. 82178</p>	

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

**Conoco Inc.**

**Warren Unit No. 114**  
**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 PL & OUTLINE

WELL NAME **WARREN UNIT NO.114**

LOCATION **660'FNL 1980'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			POSSIBLE HOLE ENLARGEMENT & SLOUGHING		12-1/4"				8.4	FRESH	
1		RUSTLER 1430'			8-3/4"	9-5/8" 1500'			10	BRINE	3
2		BASE SALT 2525'		2-MAN MUD LOGGERS 2500' - TD							
3		YATES 2730'									
		7-RIVERS 2985'									5
		GRAYBURG 3375'									
4		SAN ANDRES 4040'		H2S MONITORS AT 4000'							
			POSSIBLE LOST CIRCULATION OR SEEPAGE W.U.35 HAD STUCK PIPE DUE TO DIFFERENTIAL STICKING WHILE DRILLING THRU GLORIETTA					LESS THAN 8.3			8
5		GLORIETTA 3355'							9.2	BRINE STARCH	
6		BLINEBRY 5805'	POSSIBLE SEEPAGE FROM BLINEBRY - TD								10
		TUBB 6315'		GR-CAL-DDL-MSFL FROM 2500' - TD							
		DRINKARD 6605'		GR-CAL-FDC-CNL-PE FROM 2500' - TD							
7		TD 6975'		BRING GR-CAL TO SURFACE ON ONE SUITE	7"	6975'		LESS THAN 8.3			17
8											

DATE **01 JANUARY 1994**

APPROVED \_\_\_\_\_  
DRILLING ENGINEER

\_\_\_\_\_  
DIVISION DRILLING SUPERVISOR

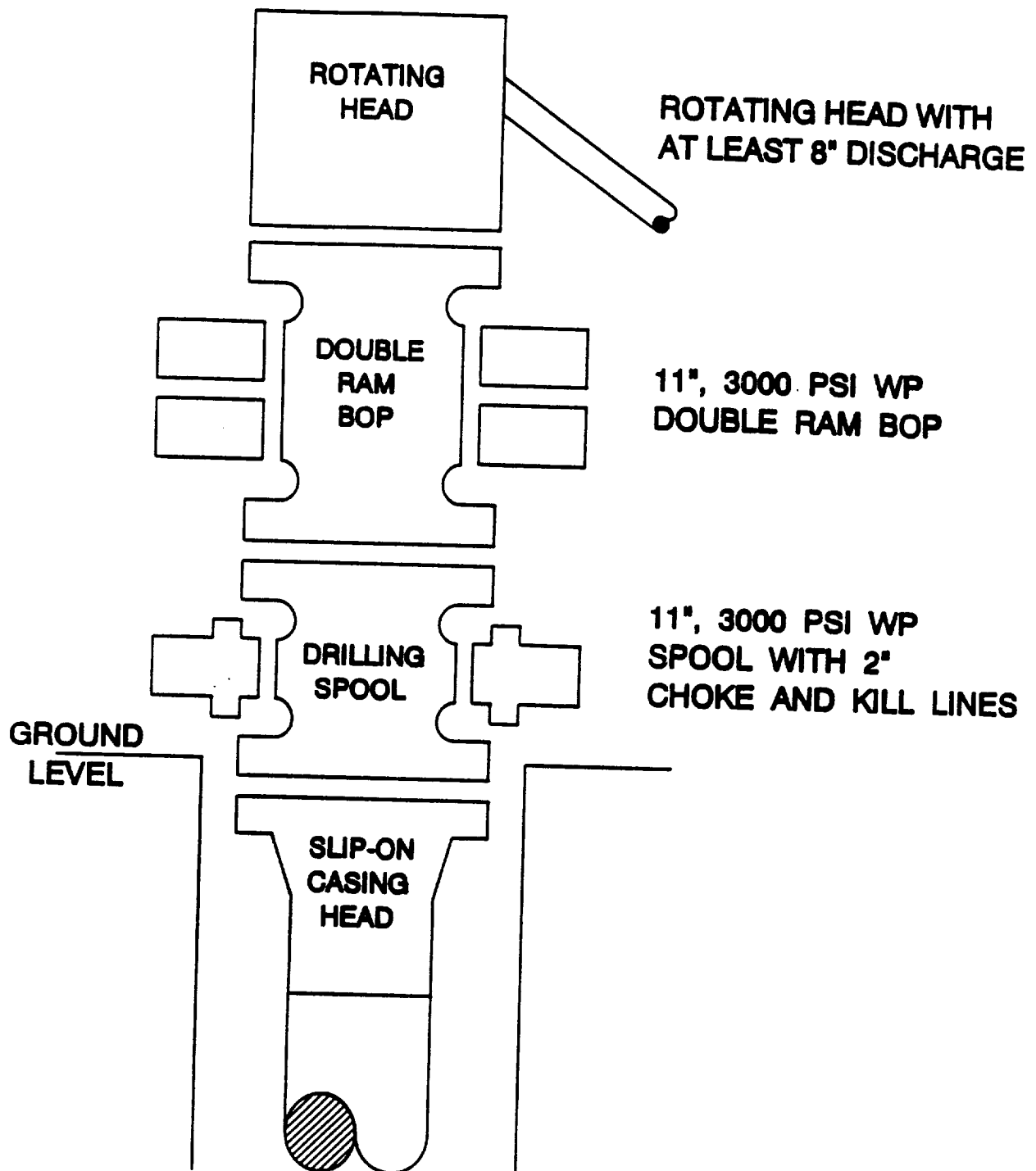
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# BOP SPECIFICATIONS



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hb 8-21