

OPER. LOG NO. 5073

ICATE\*  
# ON  
40FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995UNITED  
DEPARTMENT OF  
BUREAU OF LANDPROPERTY NO. 2999  
POOL CODE 63840  
EFF. DATE 4/4/97  
API NO. 30-035-33906

## APPLICATION FOR PERMIT

## 1a. TYPE OF WORK

DRILL ☒

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Conoco, Inc. --- 005073

(915) 686-6548

## 3. ADDRESS AND TELEPHONE NO.

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' FSL &amp; 660' FWL

At proposed prod. zone

660' FSL &amp; 660' FWL

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

Unit M

## 15. DISTANCE FROM PROPOSED\*

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

## 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

6950'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3558'

## 22. APPROX. DATE WORK WILL START\*

LEA COUNTY CONTROLLED WATER BASIN

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	K-55 8-5/8"	M50 23#	1250'	WITNESS 30 CIRCULATE
7-7/8"	K-55 5-1/2"	15.5#	6950'	1240 CIRCULATE

It is proposed to drill a vertical Wellbore as a Wier Drinkard oil Producer according to the plan submitted in the following attachments:

1. Well Location and Acreage Dedication Plat (C-102)
2. Proposed Well Plan Outline.
3. Surface Use Plan
4. EXHIBIT A: Vicinity and Lease Road Map
5. EXHIBIT B: 7.5" Quadrangle Topo Map.
6. EXHIBITS C.1 - C.2: Pipeline plats.
7. EXHIBIT D: Trailer-mounted rig layout.
8. BOP and choke Manifold Specifications.
9. H2S Drilling Operations Plan.
10. An archeological survey will be submitted as soon as completed.

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described above and as covered by BLM Bond File No. ES-0085

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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



TITLE Sr. Conservation Coordinator DATE 2/7/97

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

(ORIG. SGD.) TONY L. FERGUSON

MINERALS

APPROVED BY

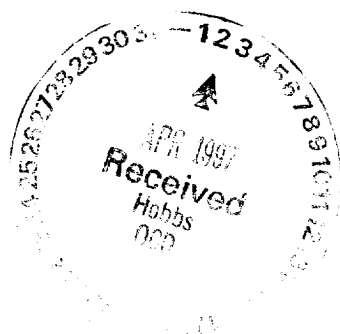
TITLE

DATE

4.1.97

\*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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 3D-D25-33906	<sup>2</sup> Pool Code 63840	<sup>3</sup> Pool Name Weir Drinkard
<sup>4</sup> Property Code 002999	<sup>5</sup> Property Name BRITT B	<sup>6</sup> Well Number 32
<sup>7</sup> OGRID No. 005073	<sup>8</sup> Operator Name CONOCO INC.	<sup>9</sup> Elevation 3558'


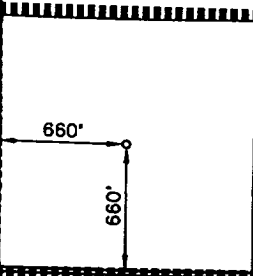
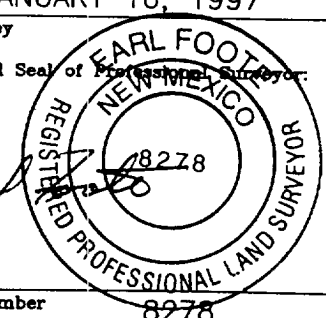
<sup>10</sup>Surface Location

UL or lot no. M	Section 10	Township 20-S	Range 37-E	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 660	East/West line WEST	County LEA
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<sup>11</sup>Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<sup>16</sup>				<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>   Signature JERRY W. HOOVER Printed Name SR. CONSERVATION COORDINATOR Title 1-27-97 Date
				<sup>18</sup> SURVEYOR CERTIFICATION <i>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 best of my belief.</i>  JANUARY 16, 1997 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number 8278



# PROPOSED WELL PLAN OUTLINE

WELL NAME

BRITT B NO. 32

LOCATION

'660 FWL & 660' FSL, SEC. 10, T-20S, R-37E, 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	MUD WT	MUD TYPE	DAYS
0			POSSIBLE HOLE ENLARGEMENT AND SLOUGHING		12-1/4"				NORMAL	8.4 - 9.5	FRESH	
1		RUSTLER 1203'				8-5/8"	1250'					
2			WASHOUTS IN SALT SECTION F/1400' - 2600'			M50 23#, K-55, ST&C 660 sx, circ cmt				10	BRINE	3
		YATES 2615'		MUDLOGGERS ON @ 2600'								
		SEVEN RIVERS 2867'										
3					7-7/8"							
		QUEEN 3378'										
		PENROSE 3478'										
		GRAYBURG 3656'		H2S MONITOR ON @ 3600'								
		SAN ANDRES 3869'										
4			PRESSURE DEPLETED POSSIBLE LOSSES AND SEEPAGE TO TOTAL DEPTH						LESS THAN 8.3			7
5												
		GLORIETA 5163'										
		PADDOCK 5236'	CASES OF DIFFERENTIAL STICKING THROUGH GLORIETA & PADDOCK									
		BLINEBRY 5678'										
6												
		TUBB 6297'										
		DRINKARD 6603'										
7		TD @ 6950'		GR-CAL-DLL-MLL and FDC-CNL-PE-Spect GR 2600'-TD. Pull GR-CAL to surface casing. Only run SG across Drinkard, Blinebry & Tubb		5-1/2"	6950'		LESS THAN 8.3 BHP = 2750 psi	10	STARCH- GEL @TD	17
						15.5#, K-55, LT&C 1240 sx, circ cmt						
8												

DATE

26 JANUARY, 1997

APPROVED

Roger Williamson  
DRILLING ENGINEER

Ray Hinchcliff

RESERVOIR ENGINEER

04:53:31 PM



Well Name: Britt B No. 32

### CEMENTING PROGRAM

#### Surface Casing String:

LEAD 460 sxs Class C Mixed at 12.7 ppg  
Additives 65:35:6 Poz + 2% CaCl<sub>2</sub> + 1/4 #/sx Celloflake

TAIL 200 sxs Class C Mixed at 14.8 ppg  
Additives 2% CaCl<sub>2</sub>

#### Intermediate Casing String:

##### 1st Stage

LEAD \_\_\_\_\_ sxs Class \_\_\_\_\_ Mixed at \_\_\_\_\_ ppg  
Additives \_\_\_\_\_

TAIL \_\_\_\_\_ sxs Class \_\_\_\_\_ Mixed at \_\_\_\_\_ ppg  
Additives \_\_\_\_\_  
Percent free water \_\_\_\_\_ Water Loss \_\_\_\_\_ cc

##### 2nd Stage

LEAD \_\_\_\_\_ sxs Class \_\_\_\_\_ Mixed at \_\_\_\_\_ ppg  
Additives \_\_\_\_\_

TAIL \_\_\_\_\_ sxs Class \_\_\_\_\_ Mixed at \_\_\_\_\_ ppg  
Additives \_\_\_\_\_  
Percent free water \_\_\_\_\_ Water Loss \_\_\_\_\_ cc

#### Production Casing String:

##### 1st Stage

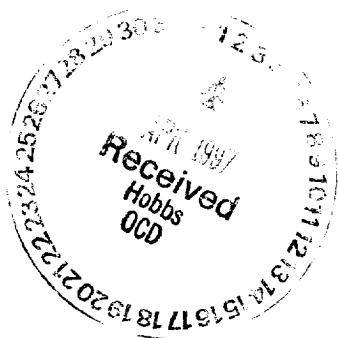
LEAD 600 sxs Class C Mixed at 12.0 ppg  
Additives 16% Gel + 0.2% A-5 + 0.3% CD-320 + .3% SMS

TAIL 640 sxs Class C Mixed at 14.8 ppg  
Additives 1.1% FL-62 + 2% BA-90 + 1.5% A-5 + 0.3% CD-32 + 0.2% SMS  
Percent free water 0 Water Loss 51 cc

##### 2nd Stage

LEAD \_\_\_\_\_ sxs Class \_\_\_\_\_ Mixed at \_\_\_\_\_ ppg  
Additives \_\_\_\_\_

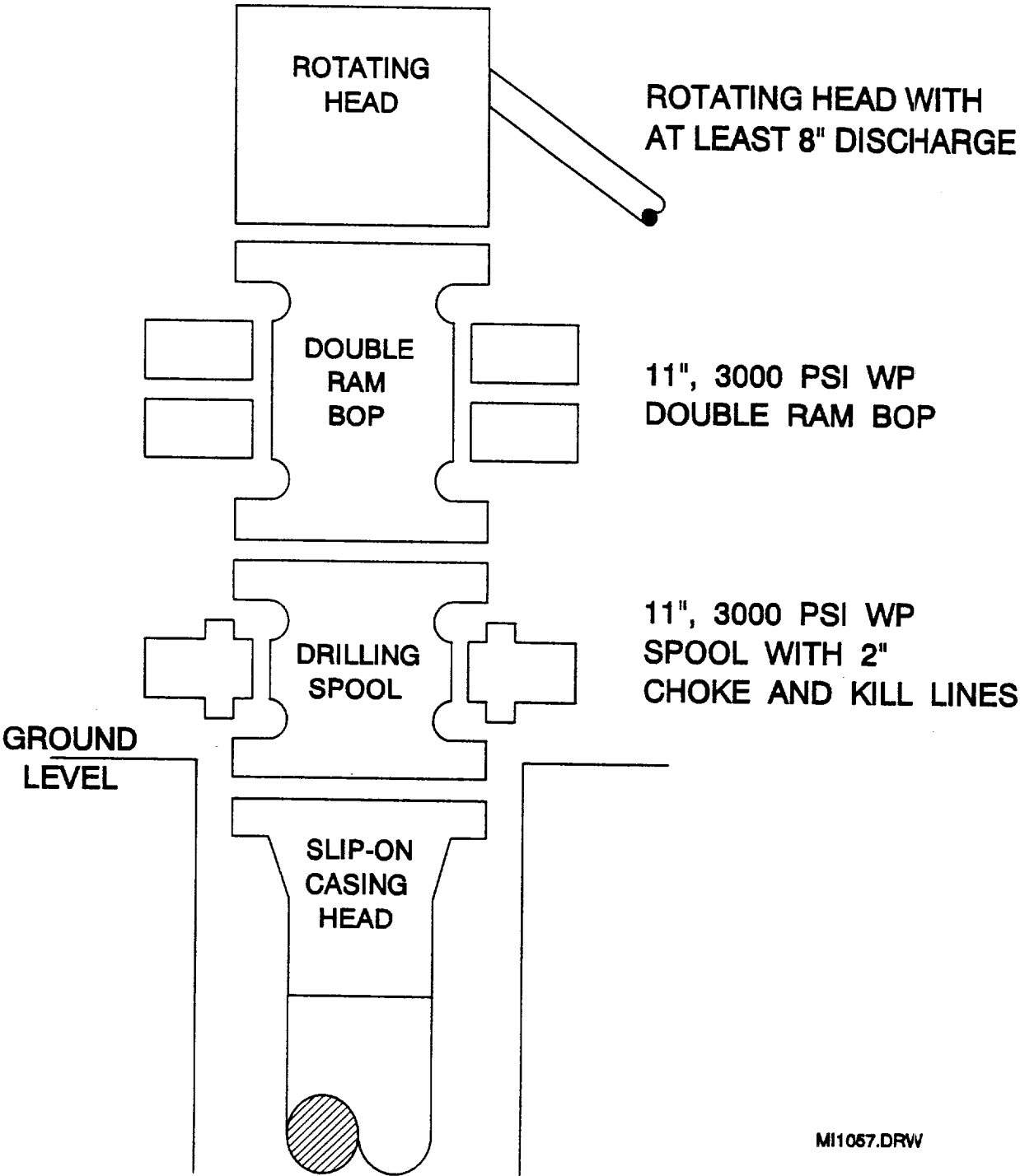
TAIL \_\_\_\_\_ sxs Class \_\_\_\_\_ Mixed at \_\_\_\_\_ ppg  
Additives \_\_\_\_\_  
Percent free water \_\_\_\_\_ Water Loss \_\_\_\_\_ cc

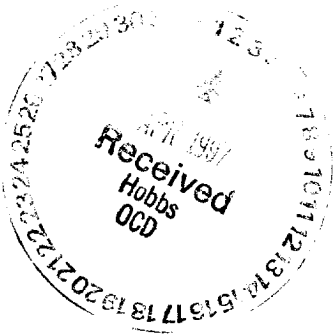


7/24/97



# BOP SPECIFICATIONS





7/24/97