Form 3160-3
(July 1992)

N. M. OIL CONS. DIVISION
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
1997 MAY 19 P 9:01
BUREAU OF LAND MGMT.
ROSWELL OFFICE

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DSIGNATION AND SERIAL NO: LC 031670B

6 IF INDIAN, ALLOTTEE OR TRIBE NAME:

7 UNIT AGRREEMENT NAME:

1a. TYPE OF WORK: DRILL ☒ DEEPEN ☐

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

8. FARM OR LEASE NAME WELL NO: Warren Unit Bl. Tu WF

2. NAME OF OPERATOR: Conoco Inc.

9. API WELL NO: 104

a. ADDRESS AND TELEPHONE NO: 10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500 (915) 686-6548

10. FIELD AND POOL, OR WILDCAT: Warren Blinebry-Tubb

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface: 660' FNL & 1980' FEL
At proposed prod. zone: 660' FNL & 1980' FEL Unit B

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 27, T-20S, R-38E

14. DISTANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE*

12 COUNTY OR PARISH: Lea
13. STATE: NM

5. 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
8. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH: 6850'	20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3557' GR

22. APPROX. DATE WORK WILL START*: 7/1/97

23. PROPOSED CASING AND CEMENTING PROGRAM

LEA COUNTY CAPITAN REEF WATER BASIN

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	M-50 8-5/8"	23#	1500'	660 sxs, circ.
7-7/8"	K-55 5-1/2"	15.5#	6850'	1275 sxs, circ.

WITNESS

It is proposed to drill a vertical wellbore as a vertical Blinebry-Tubb producer according to the plan submitted in the follow attachments:

1. Well Location and Acreage Dedication Plat (C-102)
2. Proposed Well Plan Outline
3. Surface Use Plan
4. EXHIBIT A: Vincinity and Lease Road Map
5. EXHIBIT B: 7.5 " Quadrangle Topo Map.
6. EXHIBITS C.1 - C.6: Road, Pipeline and electric line plats
7. EXHIBIT D: Trailer-mounted rig layout
8. BOP & Choke Manifold Specifications
9. H2S Drilling Operations Plan.
10. Surface Owner Settlement Letter
An archeological survey has already been submitted.

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

OPER. OGRID NO. 5073
PROPERTY NO. 3127
POOL CODE 62965
EFF. DATE 6/20/97
API NO. 30-025-34033

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 Jerry W. Hoover TITLE Jerry W. Hoover, Sr. Conservation Coordinator DATE 5/16/97

(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 righs in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

ORIG. SGD. ANTHONY L. FERGUSON ADM. MINERALS

APPROVED BY _____ TITLE _____ DATE JUN 18 1997

*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

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-34033	62965	Warren Blinebry-Tubb

[4] Property Code	[5] Property Name	[6] Well Number
003127	WARREN UNIT Bl-Tu WF	104

[7] OGRID No.	[8] Operator Name	[9] Elevation
005073	CONOCO INC.	3557'

[10] Surface Location

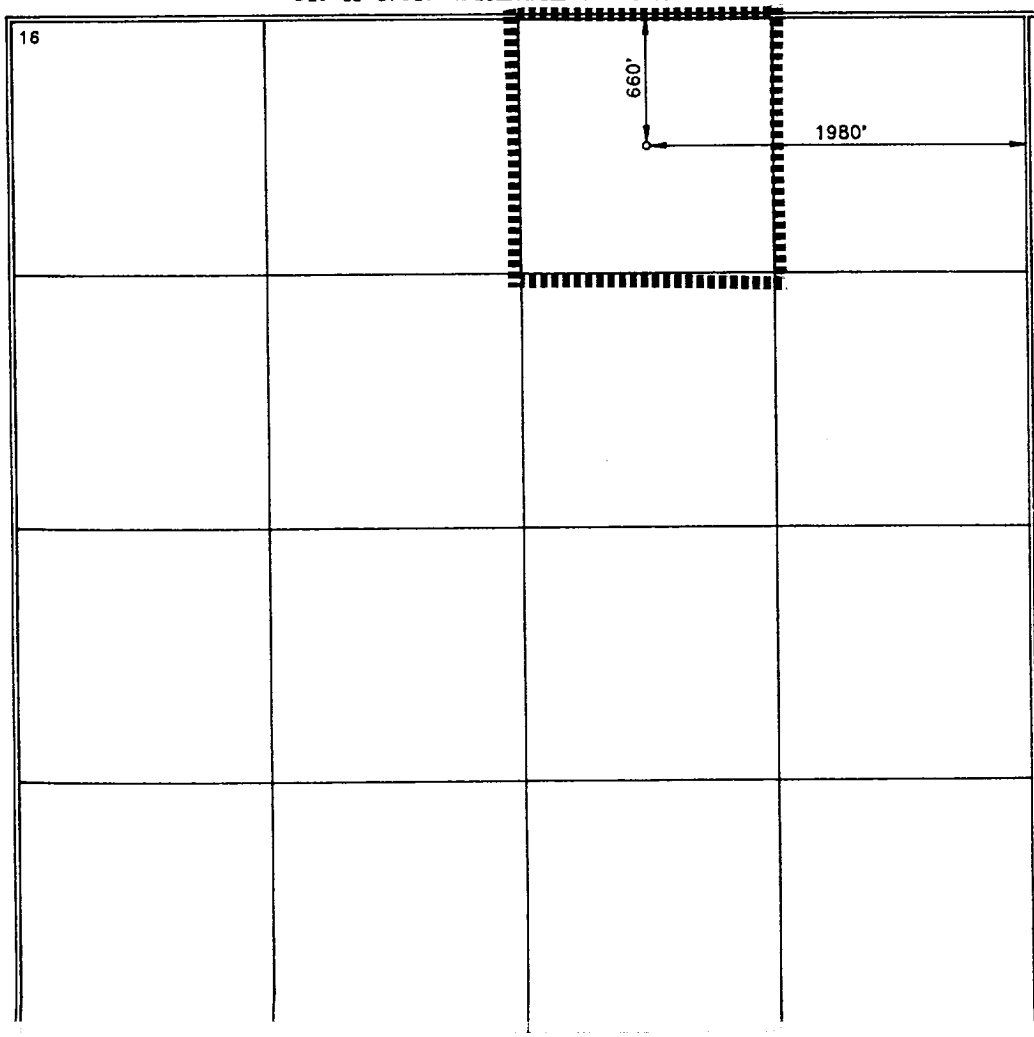
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	27	20-S	38-E		660	NORTH	1980	EAST	LEA

[11] 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

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

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



[17] OPERATOR CERTIFICATION

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

Signature

JERRY W. HOOVER
Printed Name

SR. CONSERVATION COORDINATOR
Title

5/16/97
Date

[18] 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 best of my belief.

APRIL 15, 1997
Date of Survey

Signature and Seal of Professional Surveyor:

EARL FOOTE NEW MEXICO 8278 REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate Number 8278

PROPOSED WELL PLAN OUTLINE

WELL NAME **WARREN UNIT B-T NO. 104**

LOCATION **660' FNL & 1980' FEL, SEC. 27, T-20S, R-38E, LEA CO.**

TVD IN 1000'	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE	CASING DEPTH	FRAC GRAD	FORMATION PRESSURE GRADIENT	MUD WT	MUD TYPE	DAY
0			POSSIBLE HOLE ENLARGEMENT AND SLOUGHING		12-1/4"				NORMAL	8.4 - 9.5	FRESH	
1		RUSTLER 1500'	WASHOUTS IN SALT SECTION F/1400' - 2700'		7-7/8"	8-5/8" 23#, M-50, ST&C 660 sx, circ cmt	1500'			10	BRINE	3
2		B/ SALT 2650'										
		YATES 2806'		MUDLOGGERS ON @ 2700'								
3		SEVEN RIVERS 3072'										
		QUEEN 3639'										
		PENROSE 3785'		H2S MONITOR ON @ 3500'								
4		GRAYBURG 3971'							LESS THAN 8.3			
		SAN ANDRES 4266'	POSSIBLE LOSSES AND SEEPAGE TO TOTAL DEPTH									6
5												
		GLORIETA 5524'	CASES OF DIFFERENTI STICKING THROUGH GLORIETA									
6		BLINEBRY MKR. 5977'										
		TUBB 6467'										
		DRINKARD 6760'										
		TD @ 6850'		GR-CAL-DLL-MLL and FDC-CNL-PE 2800'-TD. Pull GR-CAL-CNL to surface.		5-1/2" 15.5#, K-55, LT&C 1275 sx, circ cmt	6850'		LESS THAN 8.3 BHP = 2500 psi	10	STARCH-GEL@TD	16
7												
8												

DATE 09 APR 1997

APPROVED Roger Williamson
DRILLING ENGINEER

Joe Miller
RESERVOIR ENGINEER

Well Name : Warren Unit #104

Casing Program :

Surface	8 5/8"	casing	in	12 1/4"	Hole	at	1500	ft.
Production	5 1/2"	casing	in	7 7/8"	Hole	at	6850	ft.

Cementing Program :

Surface

Lead 460 sacks Class C Mixed at 12.7 ppg
Additives 35:65:6 (Poz:Cem:Gel) + 2% CACL2
+ 0.25 pps Cello-Flake

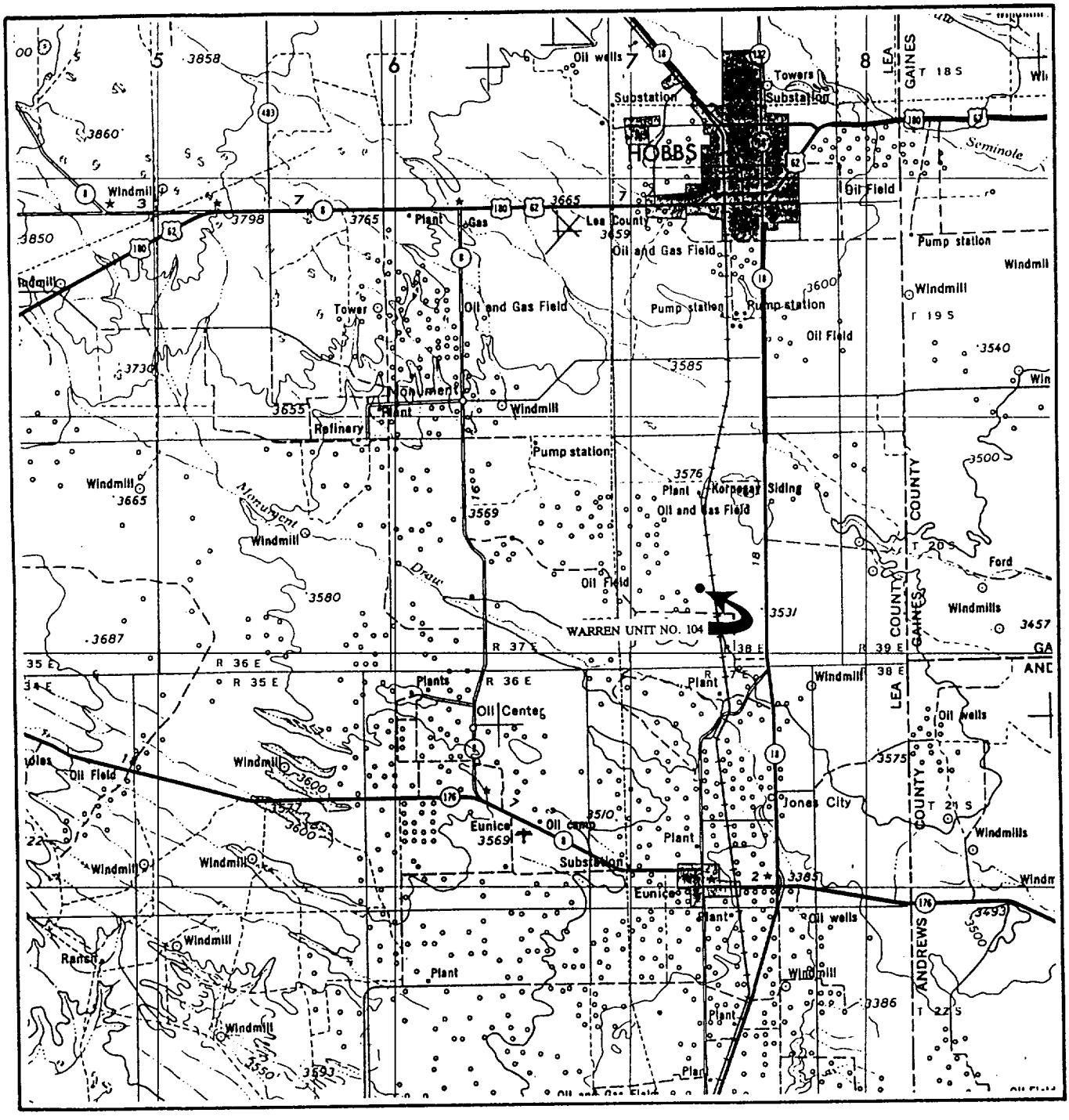
Tail 200 sacks Class C Mixed at 14.8 ppg
Additives 2% A-7P

Production

Lead 585 sacks Class C Mixed at 12 ppg
Additives 16% Gel + 2% Salt + 0.3% CD-32 + 0.3% SMS

Tail 690 sacks Class C Mixed at 14.8 ppg
Additives 1.1% FL-62 + 1% BA-58 + 1.5% Salt + 0.3% CD-32
+ 0.2% SMS
Free Water 0 % Fluid Loss 30 cc/30 min.

VICINITY MAP



SCALE: 1" = 4 MILES

SEC. 27 TWP. 20-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA STATE NM

DESCRIPTION 660' FNL & 1980' FEL

ELEVATION 3557'

OPERATOR CONOCO, INC.

LEASE WARREN UNIT NO. 104

WEST TEXAS CONSULTANTS, INC.

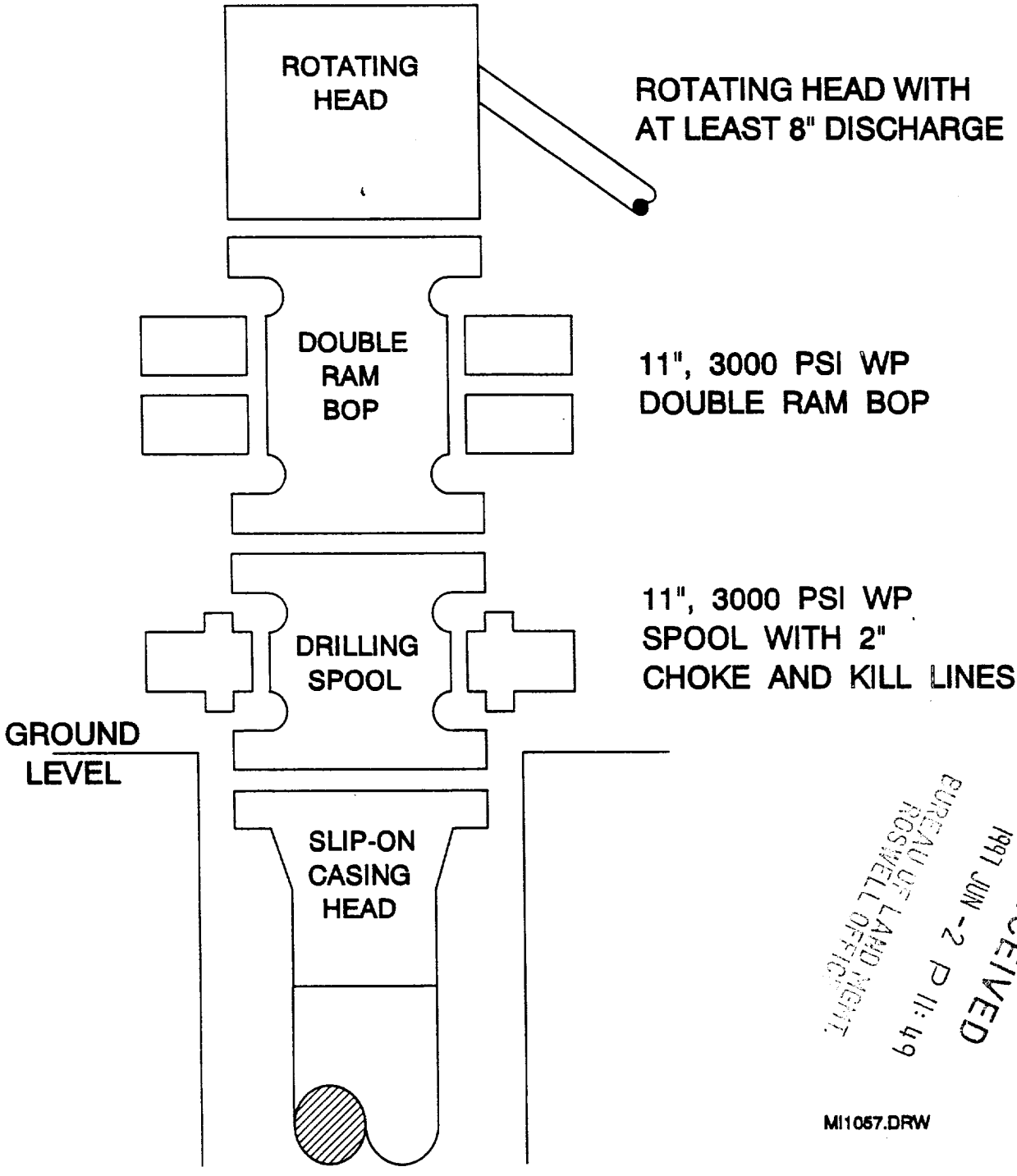
ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

EXHIBIT A

BOP SPECIFICATIONS



MI1057.DRW

10/12/01