

N.M. OIL CONS. COMMISSION
P.O. BOX 80
HOBBS, NEW MEXICO 88240
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

30-825-32490

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"/>		3. 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 ASSIGNMENT NAME Warren Unit	
3a. Area Code & Phone No. (915) 686-6548		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR 10 Desta Dr. Ste 100W, Midland, TX 79705		9. WELL NO. 113	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FSL & 1980' FEL At proposed prod. zone Blinebry-Tubb/Drinkard Unit		10. FIELD AND POOL, OR WILDCAT Warren Blinebry-Tubb	
11. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Sec. 28, T-20S, R-38E	
12. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)		12. COUNTY OR PARISH Lea	
13. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		13. STATE NM	
14. NO. OF ACRES IN LEASE		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
15. PROPOSED DEPTH 6975'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DP, RT, GR, etc.) 3524'		22. APPROX. DATE WORK WILL START 5/1/94	

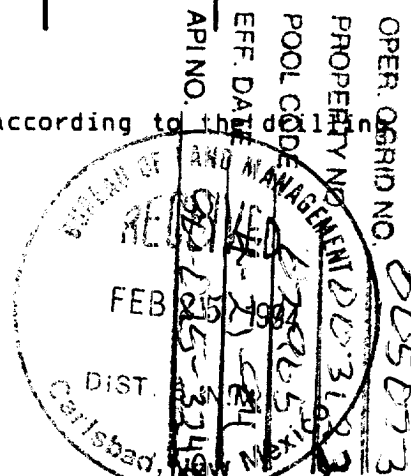
PROPOSED CASING AND CEMENTING PROGRAM Lea County Controlled Water Basin

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 following 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. Surface landowner agreement letter
6. EXHIBIT A: New Mexico road map
7. EXHIBIT B.1: Lease road & well location map
8. EXHIBIT B.2: Well Location Map
9. EXHIBIT B.3: 7.5" Quadrangle Topo Area Map
10. EXHIBIT C.1-C.5: Flowline and powerline plats
11. EXHIBIT D: Rig Layout Plan
12. BOP Specifications
13. 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 J. M. Moore TITLE Sr. Conservation Coordinator DATE 2/24/94

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Ron Denton TITLE AREA MANAGER DATE APR 19 1994

CONDITION OF APPROVAL, IF ANY
APPROVAL OF THIS APPLICATION 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

See Instructions On Reverse Side

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

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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

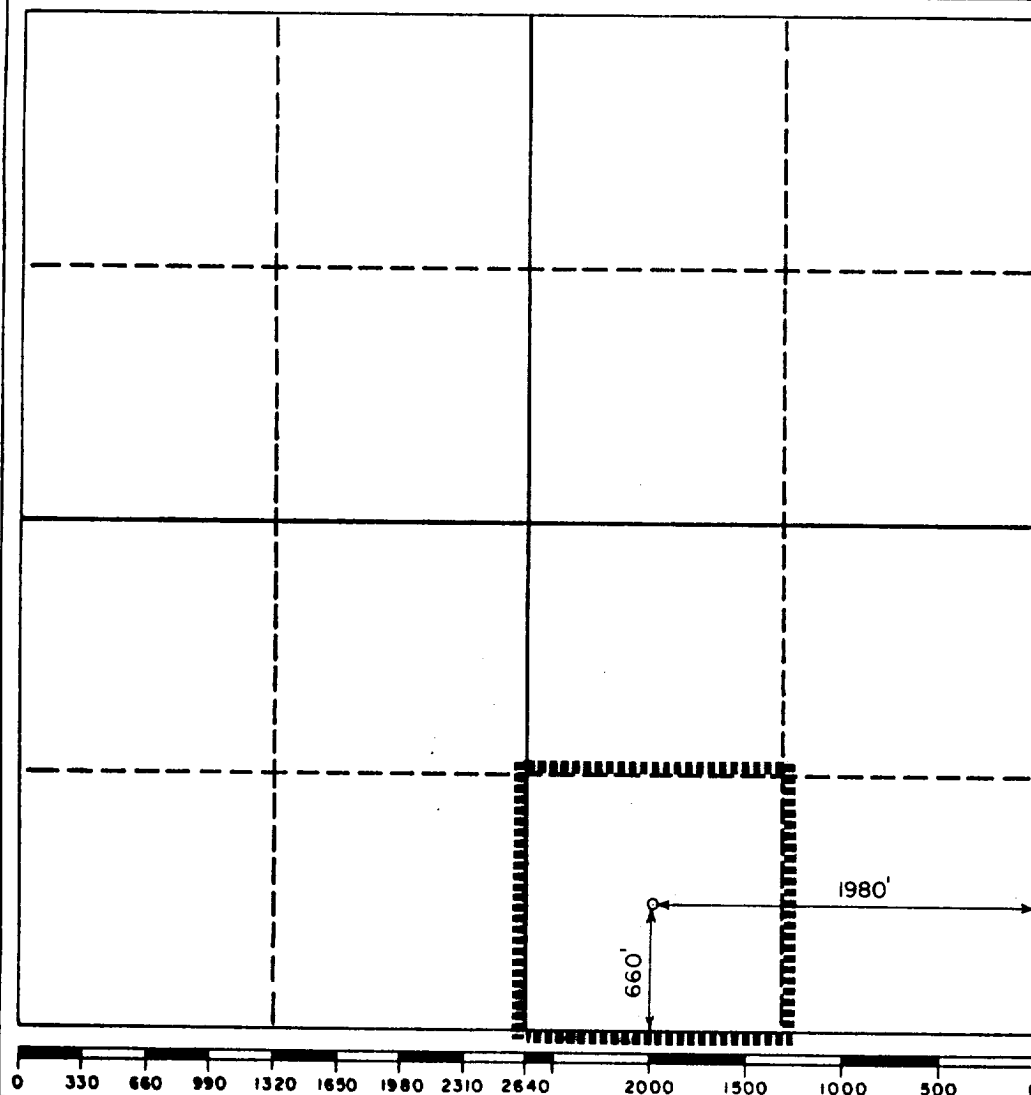
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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. 113		
Uak Letter 0	Section 28	Township 20 SOUTH	Range 38 EAST	County LEA		NMPM		
Actual Footage Location of Well: 660 feet from the SOUTH line and 1980 feet from the EAST line								
Ground level Elev. 3524		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 communization, 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 communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
Harry W. Hoover
Printed Name
Harry W. Hoover
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
Earl Foote
Certificate No.
8278



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ATTACHMENT TO FORM 3160-3
APPLICATION FOR PERMIT TO DRILL

Conoco Inc.

Warren Unit No. 113
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.113**

LOCATION **660'FSL 1980'FEL 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	MUD WT 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						
		YATES 2730'								
3		7-RIVERS 2985'								5
		GRAYBURG 3575'								
4		SAN ANDRES 4040'		H2S MONITORS AT 4000'				LESS THAN 8.3		
5		GLORIETTA 5355'	POSSIBLE LOST CIRCULATION OR SEEPAGE. W.U.35 HAD STUCK PIPE DUE TO DIFFERENTIAL STICKING WHILE DRILLING THRU GLORIETTA							8
6		BLINEBRY 5805'	POSSIBLE SEEPAGE FROM BLINEBRY - TD						9.2 BRINE STARCH	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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**SURFACE USE PLAN
Conoco Inc.**

Warren Unit No. 113

The following is required information concerning the possible effect which the drilling of this well may have on the environment, existing road sites, and surrounding acreage. A copy will be posted on the derrick floor so all contractors and sub-contractors will be aware of all items of this plan.

1. Existing Roads

- A. The proposed well site is 660' FNL & 1980' FEL, Sec. 28, T-20S, R-38E, Lea County, New Mexico.
- B. Exhibit "A" is a portion of a New Mexico road map and Exhibit "B.2" a lease road map showing existing roads. Directions to the location are as follows:

From Hobbs go south on Hwy. 18 to mile marker 39. Turn west and go 1-1/2 miles, then turn south for 1/4 mile to location.

- C. No improvement or maintenance is anticipated for the existing roads.

2. Planned Access Roads

- A. No new access road will be required.
- B. No turnout will be required.
- C. No culverts will be required.
- D. No gates, cattleguards, or fences will be required.

3. Location of Existing Wells

See Exhibit "B.1"

4. Topographic Map and Well Location

A 7.5" quadrangle topo map of the area is included as Exhibit "B.3".

5. Location of Proposed Facilities if Well is Productive

Blinebry-Tubb production will be moved by flowline to Warren Unit Blinebry-Tubb Battery No. 3 and Drinkard production to Warren Drinkard Battery No. 5 for facility treatment, storage and sales.

6. Water Supply

Fresh water will be secured from the City of Eunice and brine from McCaslands water station in Eunice. All water will be trucked from Eunice, north on highway 18. The route will go north on highway 18 to mile marker 39 and then followed the above described route to location.

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7. Source of Construction Materials

Caliche will come from the pit located in the NW NE Sec. 15, T-20S, R-38E.

8. Methods of Handling Waste Disposal

Waste Disposal: Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away. See Exhibit "D" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted to survey for appropriate approval.

9. Ancillary Facilities

See Exhibits "C.1-C.5" for flowlines, and powerline plats.

10. Wellsite Layout

See Exhibit "D". The V-door faces east. The reserve pit will be lined with plastic and the pad and pits are staked.

11. Plans for Restoration of Surface

Pits will be backfilled and leveled to original condition when they are dry. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

12. Surface Ownership

Fee.

13. Other Information

An archaeological survey will be done on Federal Land crossed by the flowlines and powerline in Sec. 28.

14. Operator's Representative and Certification

The person who can be contacted concerning compliance of this Surface Use Plan is:

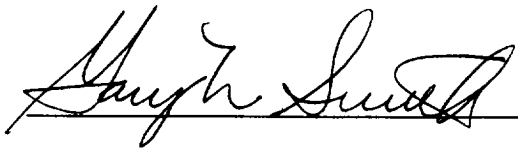
Jerry W. Hoover
10 Desta Drive West
Midland, Texas 79705
(915) 686-6548

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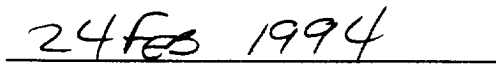
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I hereby certify that I, or persons under my direct supervision, have inspected the proposed drilling site; that I am familiar with the conditions which currently exist; that the statements made in this plan, are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Conoco Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

A handwritten signature in black ink, appearing to read "Gary L. Smith", written over a horizontal line.

Gary L. Smith,
Drilling Manager

A handwritten date "24 Feb 1994" written in black ink over a horizontal line.

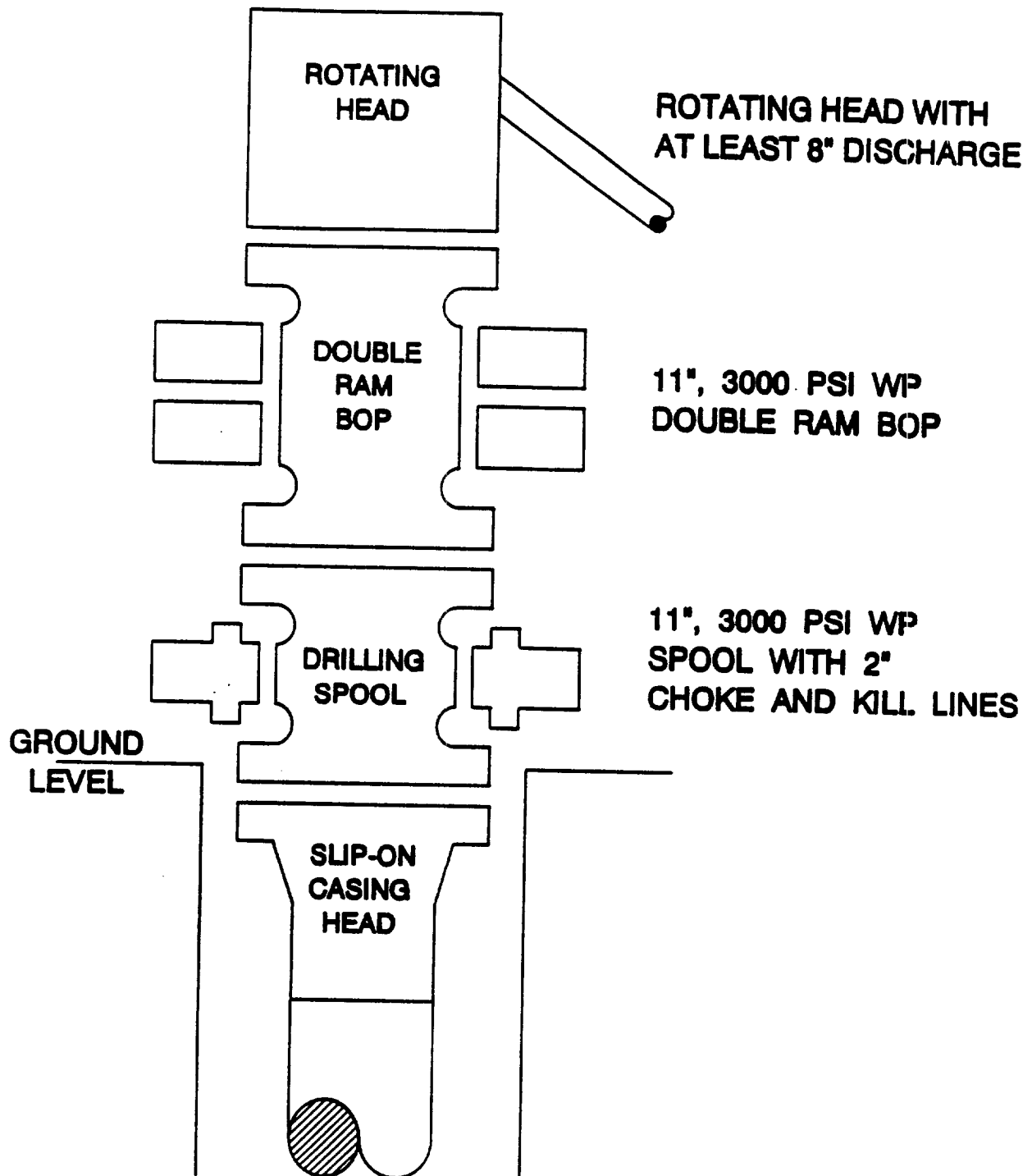
Date

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BOP SPECIFICATIONS



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h/p 8-20

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