

30-025-31172

MM Rowell District
Modified Form No.
NND60-3160-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 Drive West, Midland, TX 79705

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

710' FNL & 660' FEL

At proposed prod. zone Blinebry/Drinkard

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 drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
7000'

20. ROTARY OR CABLE TOOLS
Rotary

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

GR 3520' 3522.1' AMS

22. APPROX. DATE WORK WILL START*
4/13/91

PROPOSED CASING AND CEMENTING PROGRAM

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	1490'	1450SXS
8-3/4"	7"	26#	K-55	LT&C	7000'	3260SXS

This well is proposed to be drilled as a Blinebry/Drinkard dual producer.

Attachments

- 1) Well Location and Acreage Dedication Plat.
- 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 - Lease road map.
- 7) EXHIBIT B.1 - Location facility plat.
- 8) EXHIBIT C - Rig layout plat.
- 9) BOP Specifications.

EXHIBITS
REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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 Regulatory Coordinator

DATE 1/9/91

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY Joe H. H.

TITLE

DATE 2-14-91

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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

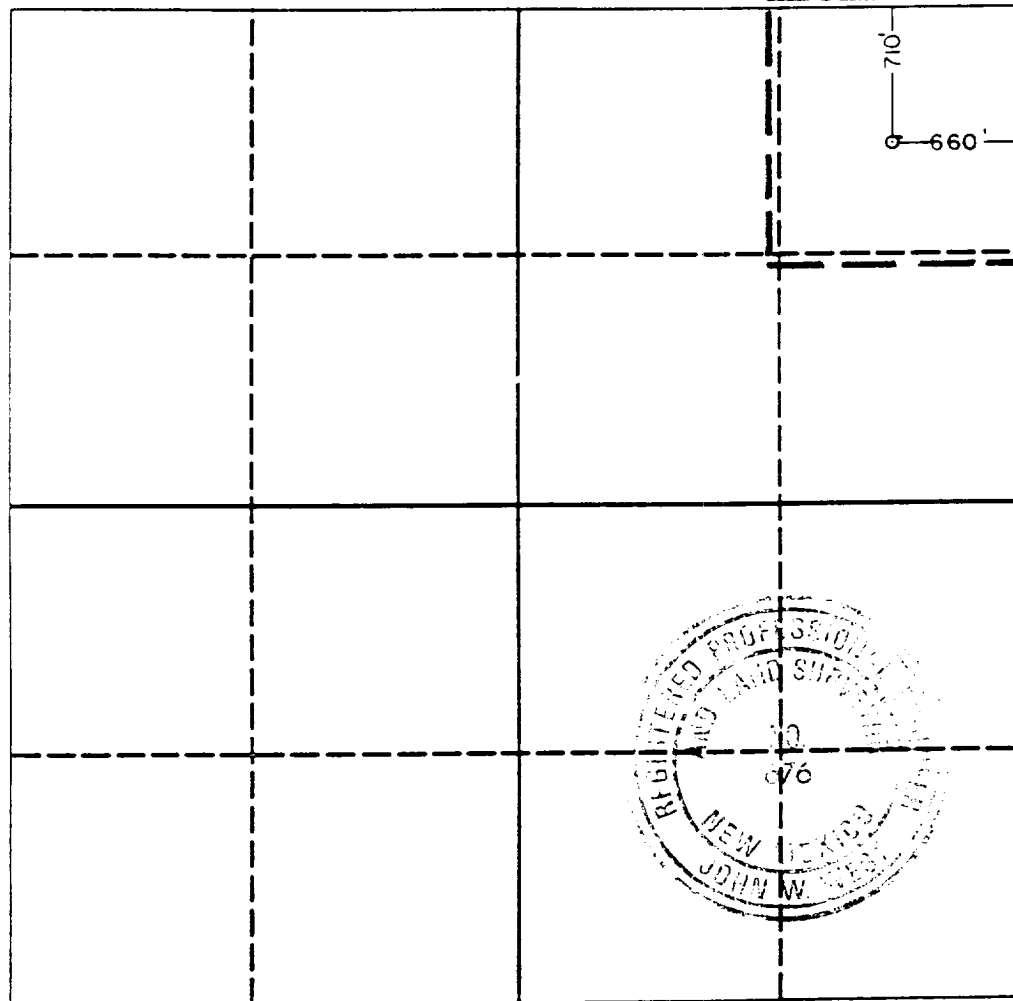
All Distances must be from the outer boundaries of the section

Operator CONOCO, INC.			Lease WARREN UNIT		Well No. 99
Unit Letter A	Section 33	Township 20 SOUTH	Range 38 EAST	County LEA	
Actual Footage Location of Well: 710 feet from the NORTH line and 660 feet from the EAST line					
Ground level Elev. 3522.1	Producing Formation Blinberry/Drinkard		Pool Blinberry/Warren Drinkard		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.



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

Jerry W. Hoover

Position

Regulatory Coordinator

Company

Conoco Inc.

Date

1/15/91

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

12-19-90

Signature & Seal of Professional Surveyor

John W. West

Certificate No. JOHN W. WEST, 676

RONALD J. EIDSON, 3239

ATTACHMENT TO FORM 3160-3
APPLICATION FOR PERMIT TO DRILL

Conoco Inc.

Warren Unit No. 99
Sec. 33, 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. BOPE will be checked when casing string is set.
4. The proposed casing program is as follows:
 - 0-1490': 9-5/8", 36# K-55
 - 0-7000': 7", 26# K-55
5. The proposed mud program is as follows:
 - 0-1490': 8.4-8.6# Fresh Water
 - 1490'-5800': 10.0# Brine
 - 5800'-7000': 10.0# Salt Gel/Starch
6. Run open-hole logs from 2600'-7000'. The log suite will include the following:
 - 1) GR-CAL-DLL-MSFL, 2) GR-CAL-FDC-CNL-PE. 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) Possible hole enlargement & sloughing, 0'-4500'.
 - b) Possible lost circulation 4500'-TD.
8. The anticipated starting date is 4-13-91 with a duration of approximately 17 days.

PROPOSED WELL PLAN OUTLINE

WELL NAME: WARREN UNIT NO 99 COUNTY: LEA STATE: NM

LOCATION: 660' FNL & 660' FEL EST. KB: 3536'

Sec. 33, T-20S, R-38E EST. GL: 3520'

DEPTH	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE-DEPTH	FRAC GRAD	FORM PRESS GRAD	(PPG) MUD WT & TYPE	DAYS
500	Redbeds	Possible Hole Enlargement & Sloughing	Deviation survey every 200' $\leq 3^\circ$	2 1/4"				Fresh gel & lime 8.3 ppg	1
1000									-
1500	Rustler 1435'		Deviation survey every 500' $\leq 3^\circ$ below surf. casing	8-3/4"	9 5/8" @ 1490'			10.0 ppg brine	2
2000									4
2500									-
	Base Salt 2550'		Two Man Mud Loggers 2600-TD						
	Yates 2705'								
3000	7 Rivers 2960'		Install H ₂ S monitors @ 4000'						6
3500	Queen 3525'								-
	Grayburg 3850'								
4000	San Andres 4115'								9
							<8.3		
4500		Possible lost circ. or seepage W.U. #35 had stuck pipe due to differential sticking while drlg. thru Glorieta							-
5000									11
	Glorieta 5335'				DV Tool @ Top of Glorieta (as needed)	13.5- 15.5		Mud-up in Glorieta only if hole cond. warrants	-
5500									-
	Blaine 5815'	Possible seepage from Blaine to TD.							14
6000	Tubb 6310'								
6500						13-15			-
	Drinkard 6600'								
7000	TD 7000'		GR-CAL 1600'-TD GR-CAL-DLL-MSFL GR-LDT-CNL-PE 5000'-TD		7" @ 7000'	19-20	<8.3		17

**SURFACE USE PLAN
Conoco Inc.**

Warren Unit No. 99

The following is the required information concerning the possible effect which the proposed 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 710' FNL & 660' FEL, Sec. 33, T-20S, R-38E, Lea County, New Mexico.
- B. Exhibit "A" is a portion of a New Mexico road map showing existing roads. Directions to the location are as follows:
From Hobbs, go south on State Highway 18 for 10 miles to mile marker 39. Turn west into Warren Unit at Conoco sign. Go west .9 mile and turn south for .5 mile. Turn west for .2 mile to location.
- C. Access roads are shown on Exhibit "B".
- D. No improvement or maintenance is anticipated for the existing roads.

2. Planned Access Roads

- A. 1400' of an abandoned road will be upgraded.
- B. No turnout will be required.
- C. No culverts, or fills will be required.
- D. No gates, cattleguards, or fences will be required.

3. Location of Existing Wells

See Exhibit "B"

4. Location of Proposed Facilities if Well is Productive

Existing producing facilities are shown on Exhibit "B".

5. Water Supply

Water will be trucked in.

6. Source of Construction Materials

Caliche from pit located in E 1/2 E 1/2, Sec. 15, T-20S, R-38E

7. 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, burned or buried with a minimum cover of 24" of dirt. See Exhibit "C" 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.

8. Ancillary Facilities

See Exhibit "B.1".

9. Wellsite Layout

See Exhibit "C". The reserve pit will be lined with plastic. The pad and pits are staked.

10. Plans for Restoration of Surface

Pits will be backfilled and leveled as soon as practical to original condition. 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.

11. Surface Ownership

Dallas McCasland.

12. Other Information

An archaeological survey will be conducted by Pecos Archaeological Consultants.

13. Operator's Representative and Certification

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

Gary L. Smith
10 Desta Drive West
Midland, Texas 79705
(915)686-5471

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.

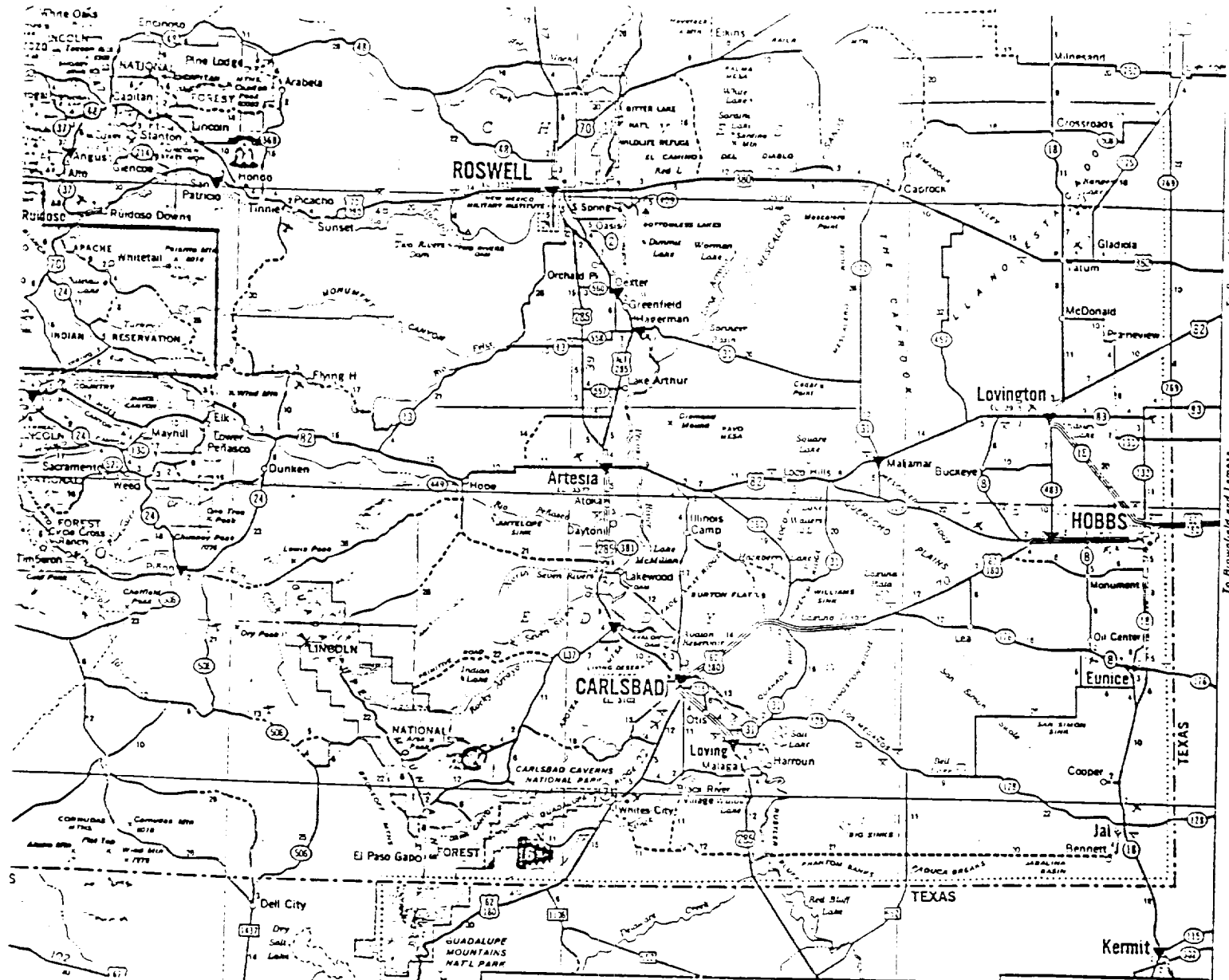
10 JAN. 1991

Date

Gary L. Smith

Gary L. Smith
Drilling Superintendent

JWH/tm



LOCATIONS WHERE CONOCO PRODUCTS ARE SOLD

- ▼ Locations on Interstate Highways, toll roads or major limited access highways where CONOCO PRODUCTS are sold.
- ▼ Other CONOCO station locations.
- ▼ Locations of CONOCO Travel Shoppes.



▼ Locations where CONOCO DEALERS provide Trailer Travelers with Sanitary Disposal Facilities. Look for this sign:



TOURAIDE ATTRACTIONS

- HISTORICAL
- SCENIC
- GENERAL

Attraction points described on reverse side

NEW MEXICO

SCALE IN MILES AND KILOMETERS

ONE INCH 22 MILES 0 5 10 20 30 40

ONE INCH 35 KILOMETERS 0 5 10 20 30 40

HIGHWAY MARKERS

INTERSTATE UNITED STATES STATE TEXAS FARM OR RANCH

ROAD CLASSIFICATIONS

CONTROLLED ACCESS DIVIDED HIGHWAYS

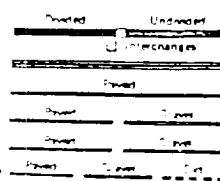
OTHER DIVIDED HIGHWAYS

PRINCIPAL THROUGH HIGHWAYS

OTHER THROUGH HIGHWAYS

CONNECTING HIGHWAYS

LOCAL ROADS in unimproved areas, routes clearly marked with these points



MILEAGES

LONG DISTANCE MILEAGES SHOWN IN RED

MILEAGE BETWEEN TOWNS AND JUNCTIONS

MILEAGE BETWEEN DOTS

ONE MILE EQUALS 1.6 KILOMETERS

ONE KILOMETER EQUALS .6 MILES

SPECIAL FEATURES

- STATE PARKS
- RECREATION AREAS
- PORTS OF ENTRY
- POINTS OF INTEREST

SCHEDULED AIRLINE STOPS

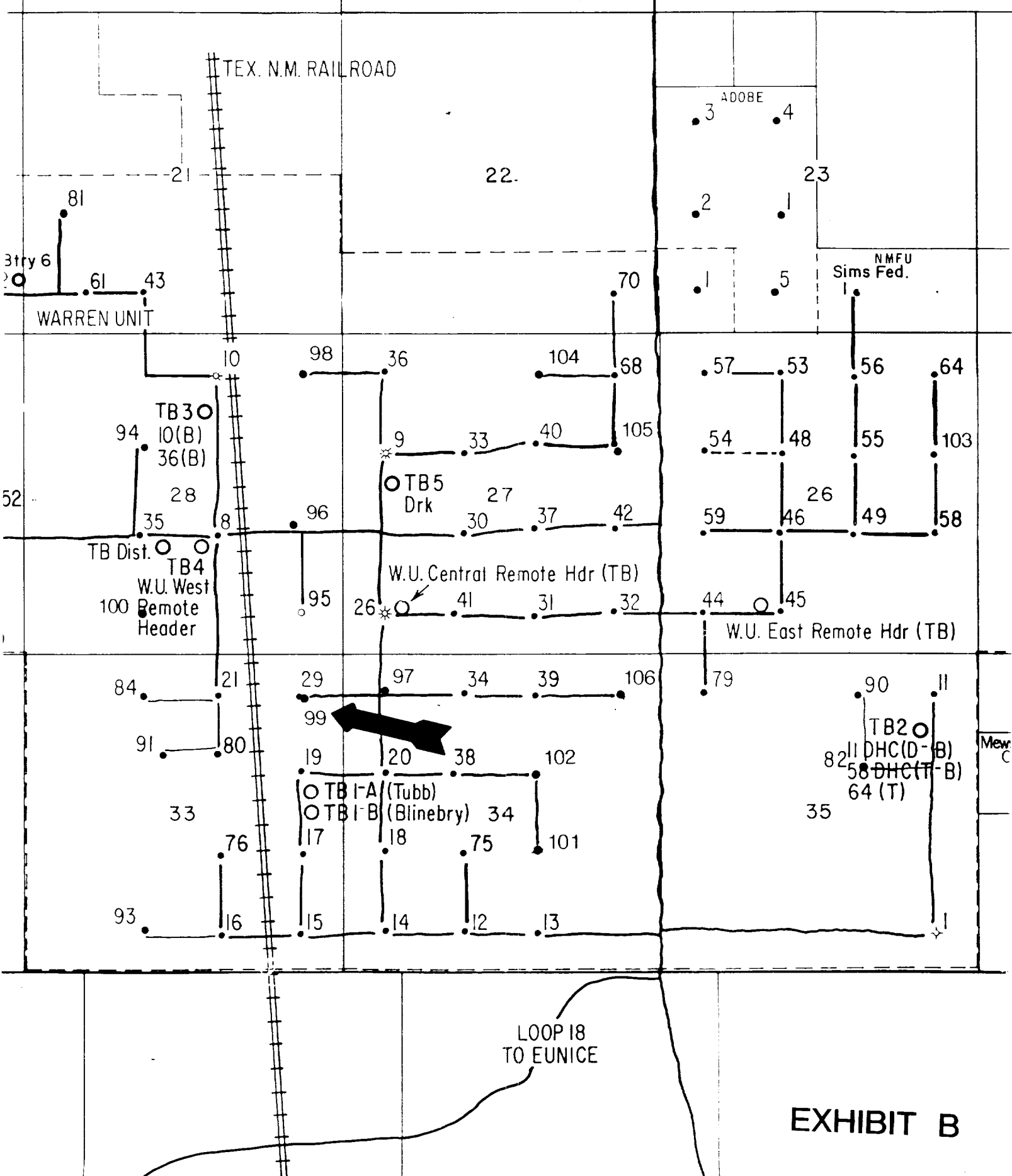
- MILITARY AIRPORTS
- OTHER AIRPORTS
- TOURIST INFORMATION
- SKI AREAS
- SELECTED REST AREAS
- BOAT RAMPS
- TIME ZONE BOUNDARY

POPULATION SYMBOLS

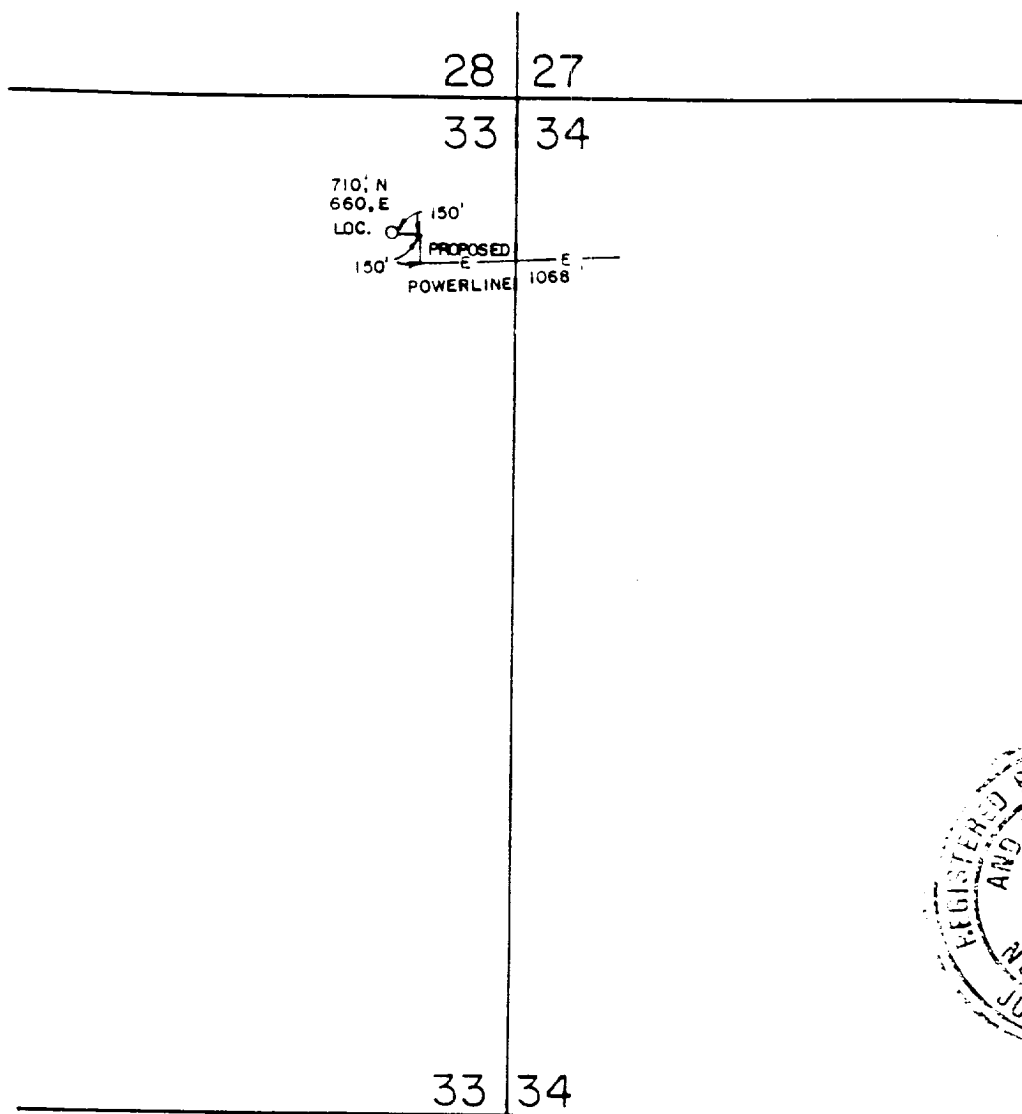
- For State Capital
- Under 1,000
- 1,000 to 2,500
- 2,500 to 5,000
- 5,000 to 10,000
- 10,000 to 25,000
- 25,000 to 50,000
- 50,000 to 100,000
- 100,000 and over

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McKee Btry
Blinetry Btry (3 Btrys)
Tubb A



SECTION 33, TOWNSHIP 20 SOUTH, RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



I HEREBY CERTIFY THAT THIS PLAT
WAS MADE FROM NOTES TAKEN IN THE FIELD
IN A BONA FIDE SURVEY MADE UNDER MY
SUPERVISION, AND THAT THE SAME IS TRUE
AND CORRECT TO THE BEST OF MY KNOWL-
EDGE AND BELIEF.

John W. West
JOHN W. WEST, N.M. P.E. & L.S. No. 676
TEXAS R.P.S. No. 1138
RONALD J. EIDSON, N.M. L.S. No. 3239
TEXAS R.P.S. No. 1883

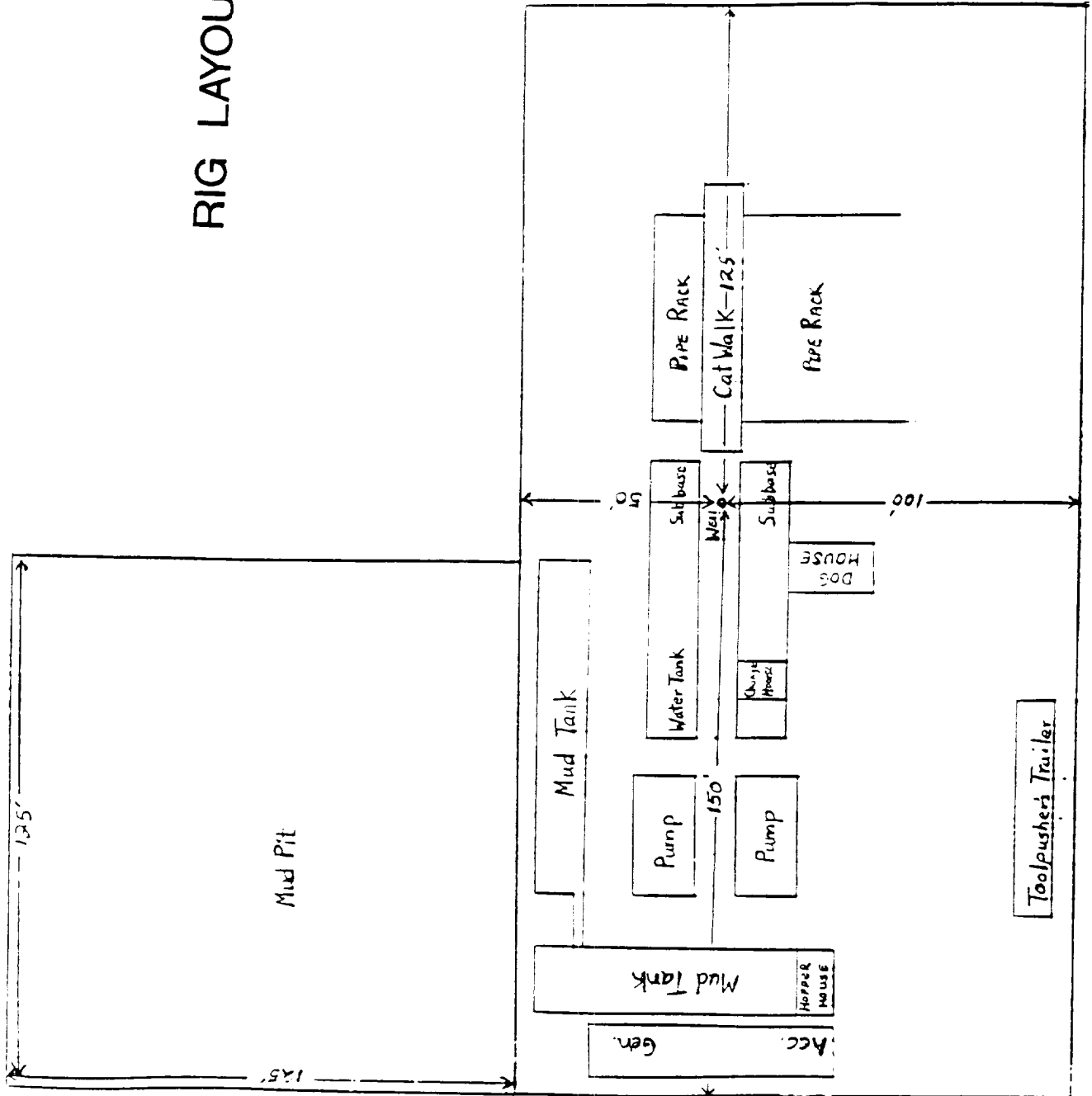
CONOCO, INC.

WARREN UNIT NO.99 LOCATED 710 FEET FROM THE
NORTH LINE AND 660 FEET FROM THE EAST LINE OF
SECTION 33, TOWNSHIP 20 SOUTH, RANGE 38 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

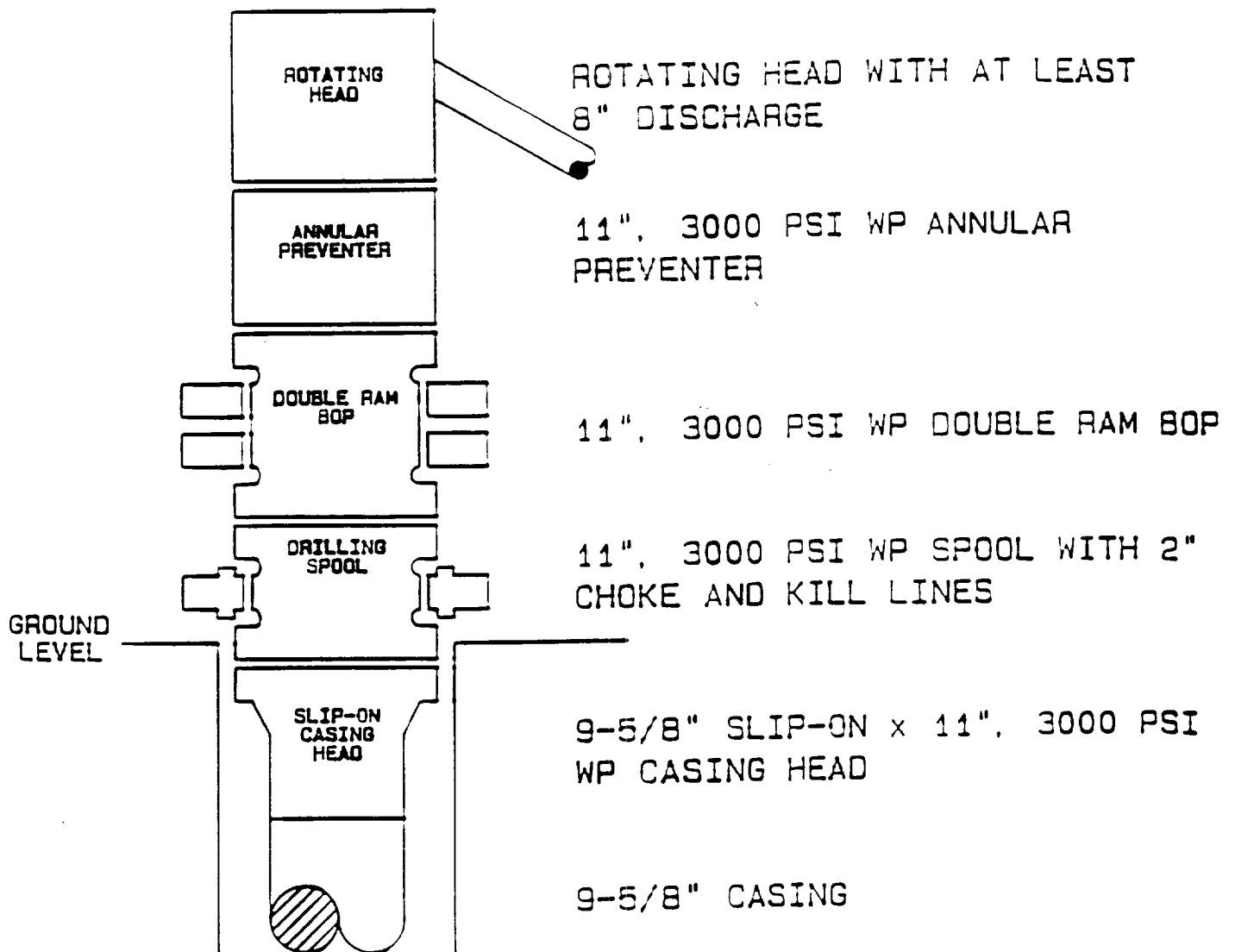
JOHN W. WEST ENGINEERING COMPANY
CONSULTING ENGINEERS HOBBS, NEW MEXICO

Scale: 1"=1000'	Drawn By: R. DOPORTO
Date: 1-11-91	Chk. G.J. Sheet 1 of 1 Sheets

RIG LAYOUT



BOP SPECIFICATIONS



16-92-7-26-91

ELF

RECEIVED

1991