

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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

AMOCO PRODUCTION COMPANY.

## 3. ADDRESS OF OPERATOR

BOX 367, ANDREWS, TEXAS 79714

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

At surface

1017' FSL x 1973' FWL, Sec 18 (Unit N, SE 1/4 SW 1/4)

At proposed prod. zone

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

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

3078' GL

## 16. NO. OF ACRES IN LEASE

## 19. PROPOSED DEPTH

3450'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

ROTARY

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

UPON NID APPROVAL

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24 #	400'	Circulate sufficient to tie back into surface pipe.
7 7/8"	5 1/2"	14-15.5"	3450'	

after drilling well logs shall be run and evaluations  
made perforating and/or stimulating as necessary in  
attempting commercial production.

MUD PROGRAM: O-SCP - Water; native mud.  
SCP- TD - Brine

BOP PROGRAM: Attached

RECEIVED

MAR 30 1976

RECEIVED

MAR - 2 1976

U.S. GEOLOGICAL SURVEY  
ARTESIAN

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 location and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Roy Lyoakum*

TITLE ADMINISTRATIVE ASSISTANT

DATE

FEB 25 1976

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

MAR 28 1976

APPROVED BY

*Don A. Bruff*

TITLE

DISTRICT ENGINEER

DATE

CONDITIONS OF APPROVAL, IF ANY:

0+4 - USGS- ART  
1 - DIV  
1 - SUSP  
1 - RRY  
2 - BASS

\*See Instructions On Reverse Side

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-122  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

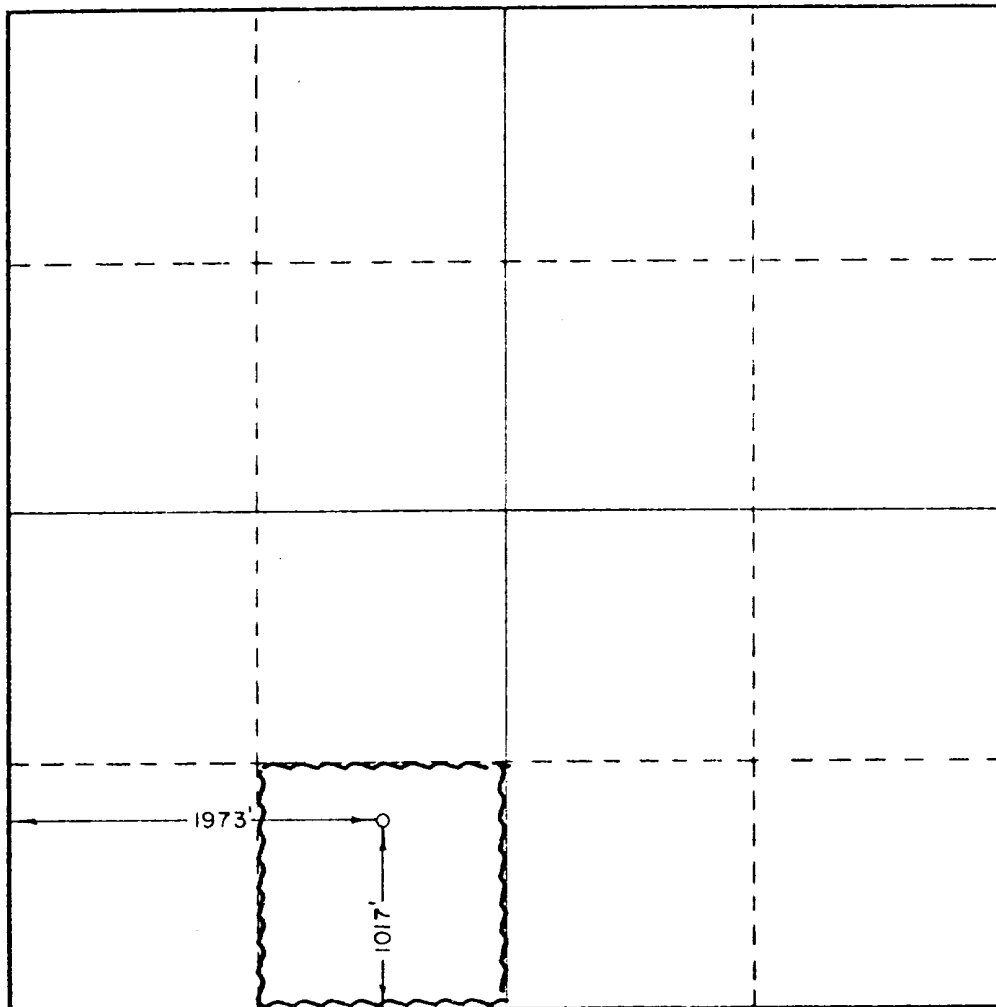
Operator <b>Amoco Production Company</b>			Lease <b>Old Indian Draw Unit</b>		Well No. <b>8</b>
Unit Letter <b>N</b>	Section <b>18</b>	Township <b>22 South</b>	Range <b>28 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>1017</b> feet from the <b>South</b> line and <b>1973</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3078</b>	Producing Formation <b>DELAWARE</b>		Pool <b>INDIAN DRAW-DELAWARE</b>		Dedicated Acreage <b>40</b>

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests 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 interests, has been approved by the Commission.



**CERTIFICATION**

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

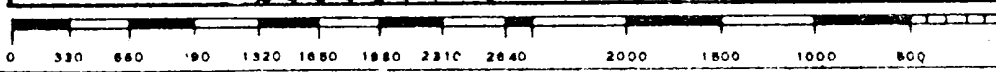
\_\_\_\_\_  
Name  
**Boyd L. Yeakum**  
Position  
**ADMINISTRATIVE ASSISTANT**

Company  
**AMOCO PRODUCTION COMPANY**

Date  
**FEB 25 1976**

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 21, 1976**  
Registered Professional Engineer and Land Surveyor  
**676**  
\_\_\_\_\_  
Name  
**JOHN W. WEST**  
MEXICO



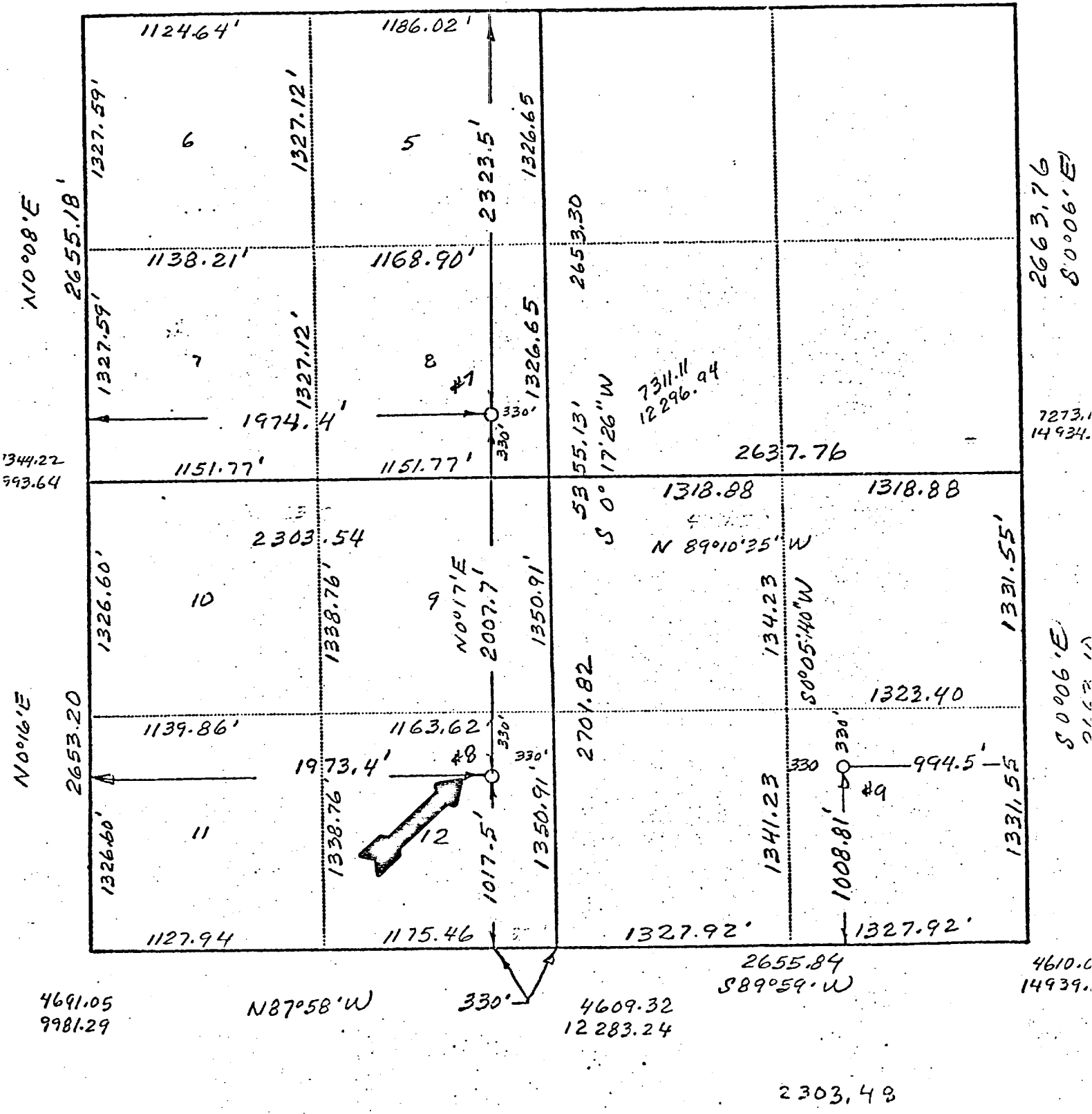
Sec. 18 Township No. 22 S of Range No. 28 E

10,000  
10,000

9964.38  
12310.39

S 89°02' E  
2619.54'

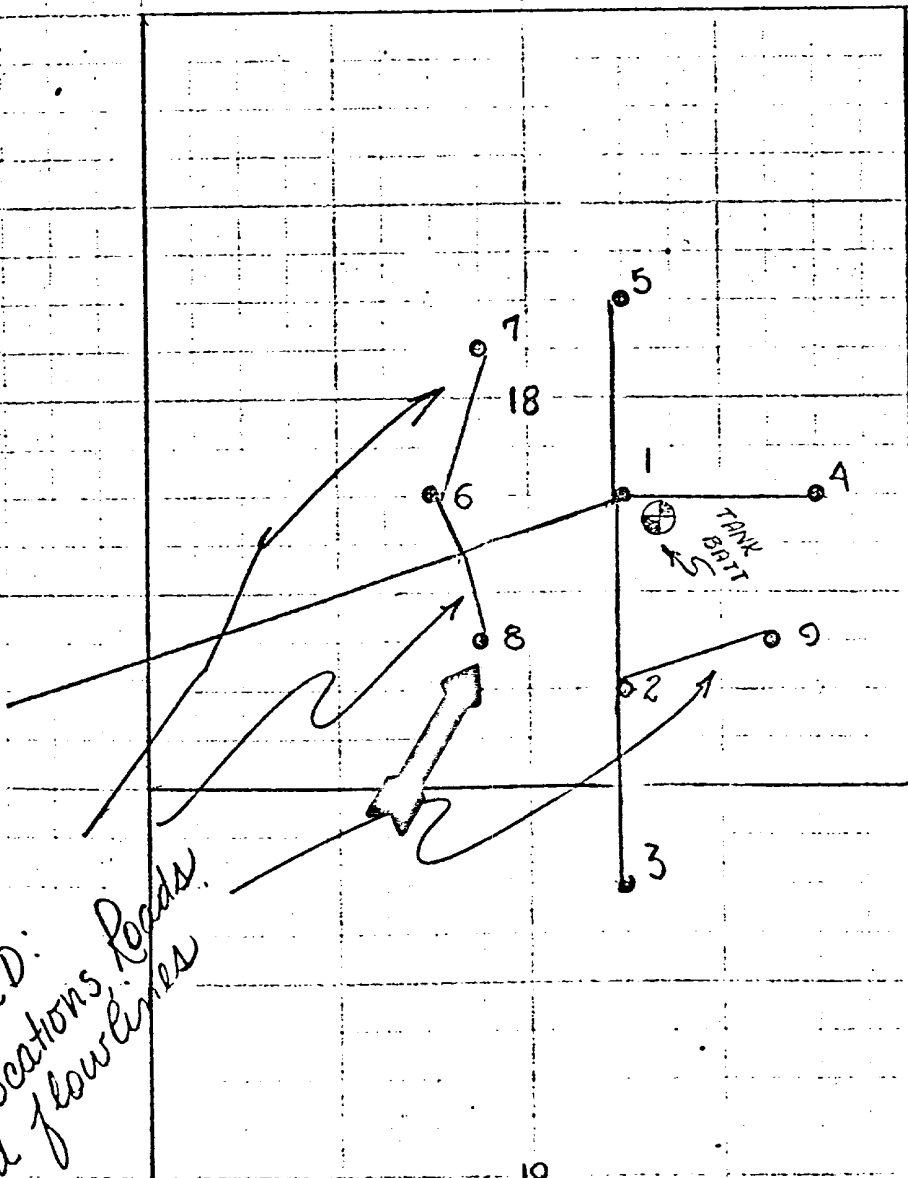
9936.95  
14929.78



OLD INDIAN DRAW UNIT FED LSE (part)  
SEC 18 & 19 T-22S R-28-E, EDDY CO N.M.

R-28-E

T  
22  
S

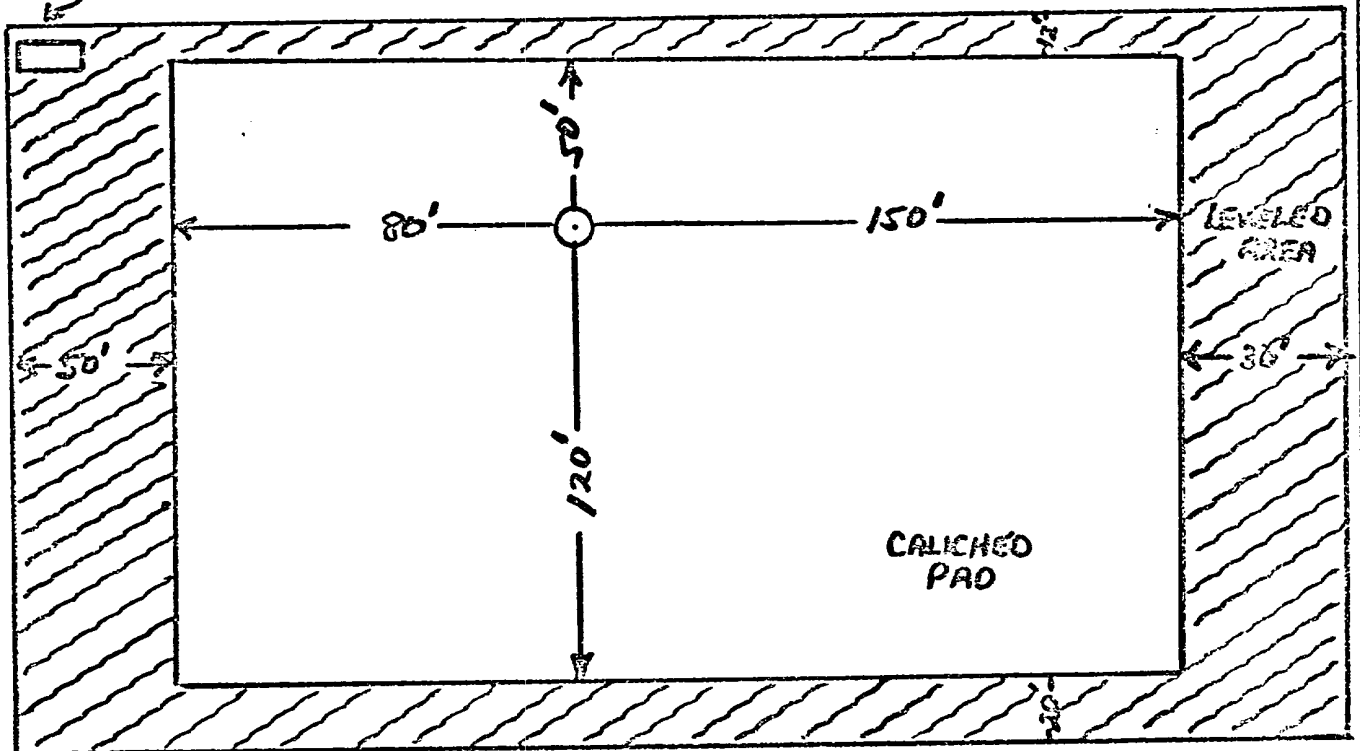


PROPOSED:  
Well locations, Roads  
and flowlines

----- Flowlines - Follows ROAD R.O.W.  
—— Roads

# LOCATION DIMENSIONS

TRASH PIT  
8'x20'x6'  
5



CELLAR SIZE  
5'x5'x4'

Amoco Production Company

SCALE: NONE

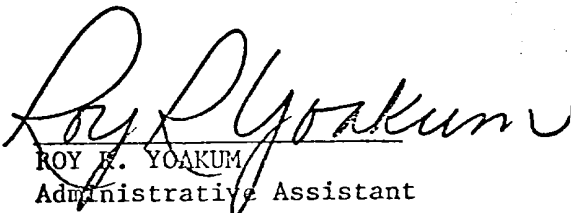
OLD INDIAN DRAW UNIT FED WELL #8

ATTACHMENT TO FORM 9-331C

APPLICATION FOR PERMIT TO DRILL

LEASE OLD INDIAN DRAW UNIT FED WELL NO. 8  
LOCATION UNIT IV SEC 18, T-22-S, R-28-E  
POOL INDIAN DRAW-DELAWARE  
COUNTY EDDY

The undersigned hereby states that Amoco's representative, Mr. D.C. PEURIFOR JR., personally contacted L.J. CALLEY, CARLSBAD, NM the ~~owner~~/lessee of the surface land where the proposed work is to be conducted and advised him of the proposed work, the construction site and pertinent roads included in the project. It is further stated that, upon being fully advised of the extent of the work and the effect upon the surface, said owner has consented to the said work and that agreement as to the compensation for damages to the surface estate has been reached.

  
ROY K. YOAKUM  
Administrative Assistant

2-25-76  
DATE

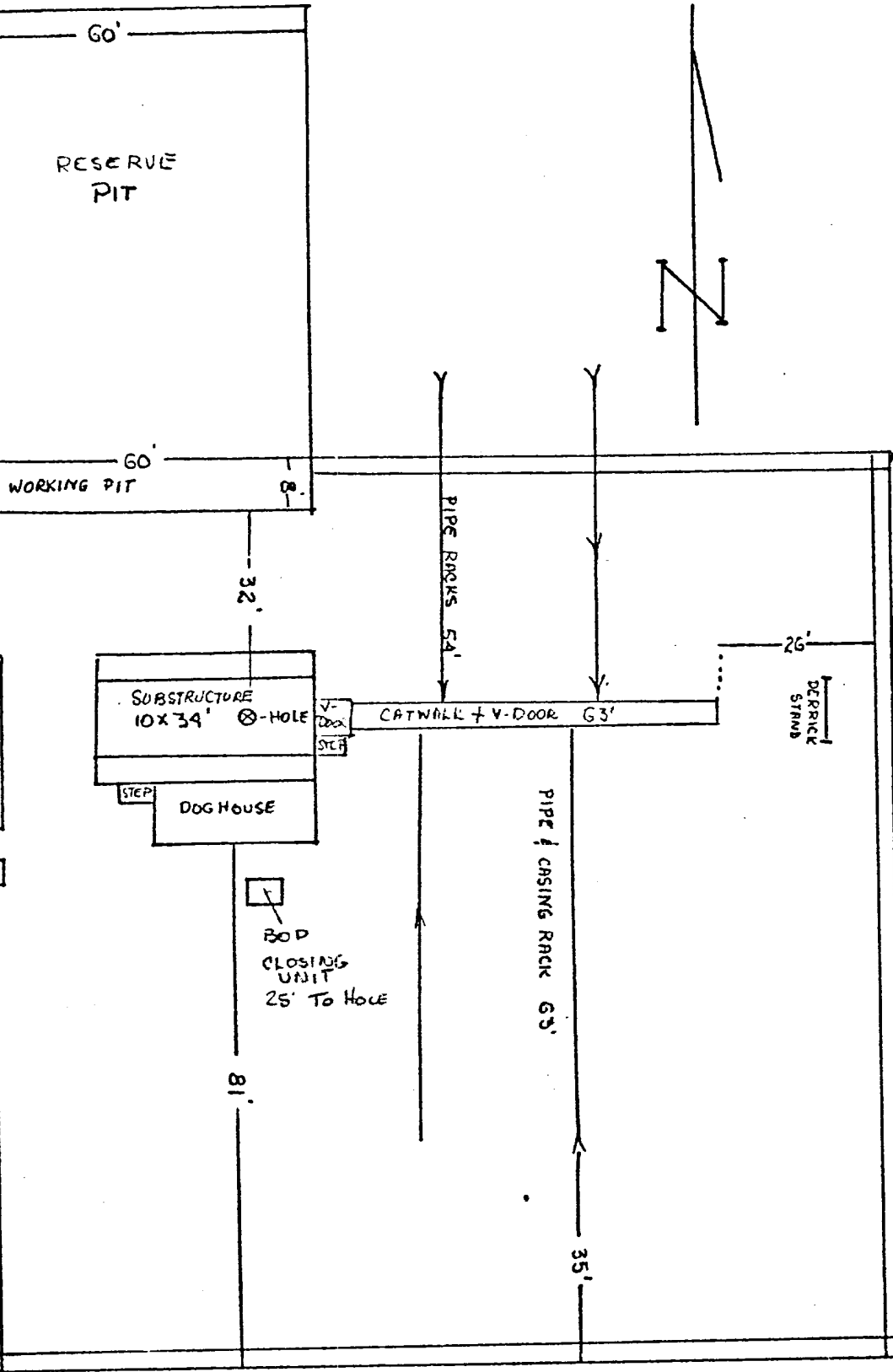
8x27'

WATER  
TANK  
12'x21'

SECTION PIT  
8'

MUD  
PMP

LIGHT  
PLANT



Amoco Production Company

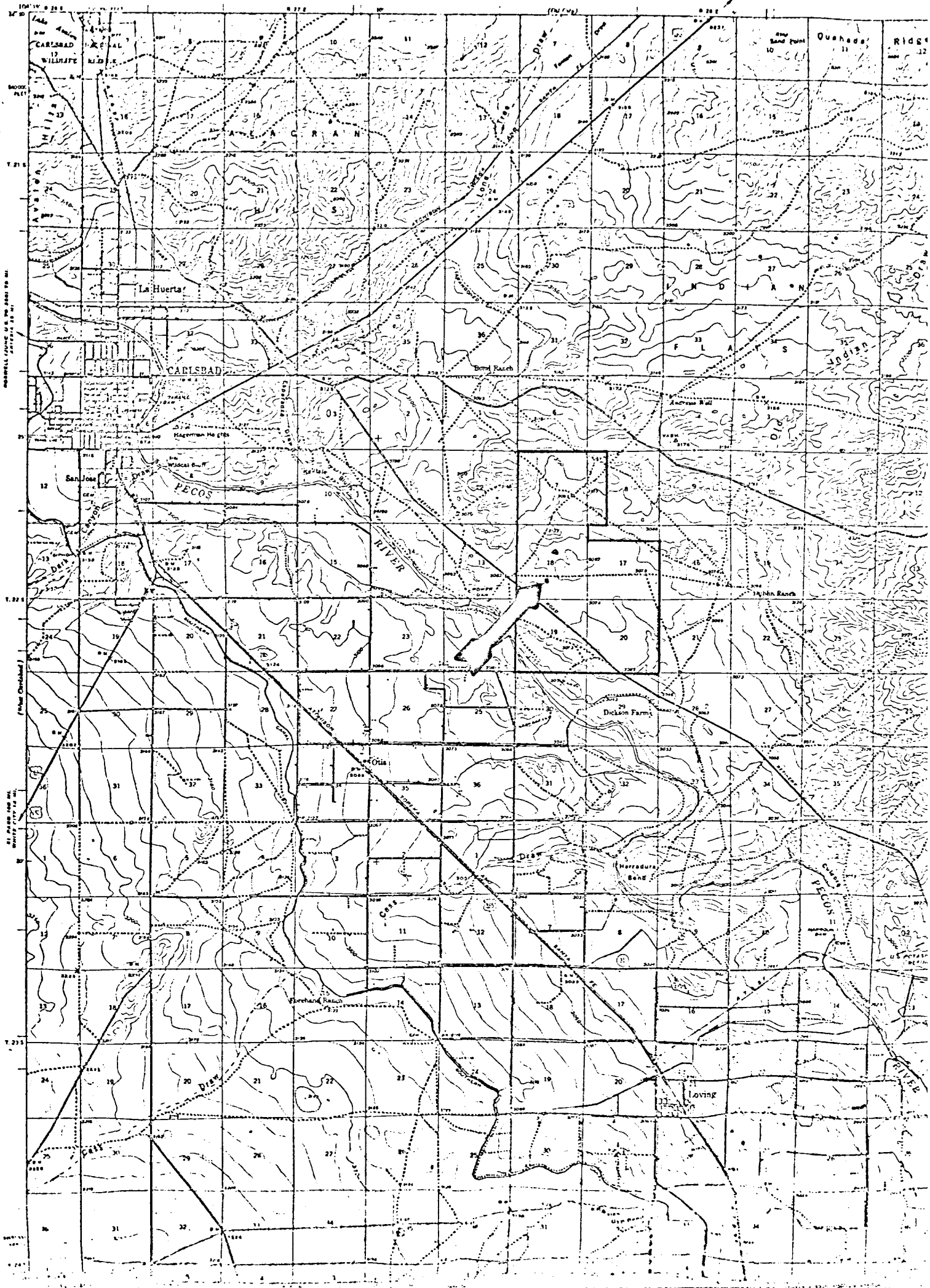
SCALE:

GENERAL RIG LAYOUT

OLD INDIAN DRAW UNIT FED #8  
H-18-22-28, EDDY CO. N.M.

DRG.  
NO.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



OLD INDIAN DRAW UNIT FED WELL #8  
INDIAN DRAW-DELAWARE POOL  
EDDY CO. N.M.

LEASE & WELL NUMBER OLD INDIAN DRAW UNIT FED # 8  
LOCATION N-18-22-28, EDDY Co. N.M.

PROPOSED DEVELOPMENT PLAN FOR SURFACE USE.

1. Existing roads including location of exit from main highway.  
(SEE ATTACHED MAP)
2. Planned access roads.  
(SEE ATTACHED MAP)
3. Location of existing wells  
(SEE ATTACHED MAP)
4. Lateral roads to well locations. TO CONSTRUCT APPX 660' W+C CALICHE RD  
(SEE ATTACHED MAP) FROM EXISTING LEASE ROAD DOWN TO WELL  
NO. 8. 12' W X 6" THICK.
5. Location of Tank Batteries & Flow Lines.  
(SEE ATTACHED MAP)
6. Location and type of water supply.  
FRESH & BEING Water to be hauled  
Piped from
7. Methods for handling waste disposal  
All waste material will be pitted, burned, buried or hauled from  
location. Suitable trash pits or containers will be provided at  
location for containment.
8. & 9. Location of camps and airstrips.  
X None SEE ATTACHED MAP
10. Location of layout to include position of rig, mud pits, reserve pits,  
burn pits, pipe racks, etc.  
Rig Layout, etc. (SEE ATTACHED)  
Drilling Pad 230' X 170' X 6" Compacted Surfaced
11. Plans for restoration of Surface  
X Producing well - all pits to be cut, filled and levelled.  
X Dry hole - all pits to be cut, filled and complete location  
cleaned and levelled.
12. Other information that may be used in evaluating the impact on environment.  
FLAT TERRAIN

Field personnel responsible for compliance of Development Plan for Surface Use.

O. R. WILLIAMS, AREA FOREMAN, BOX 68, HOBBS N.M., PH. 393-2167

# NOTES

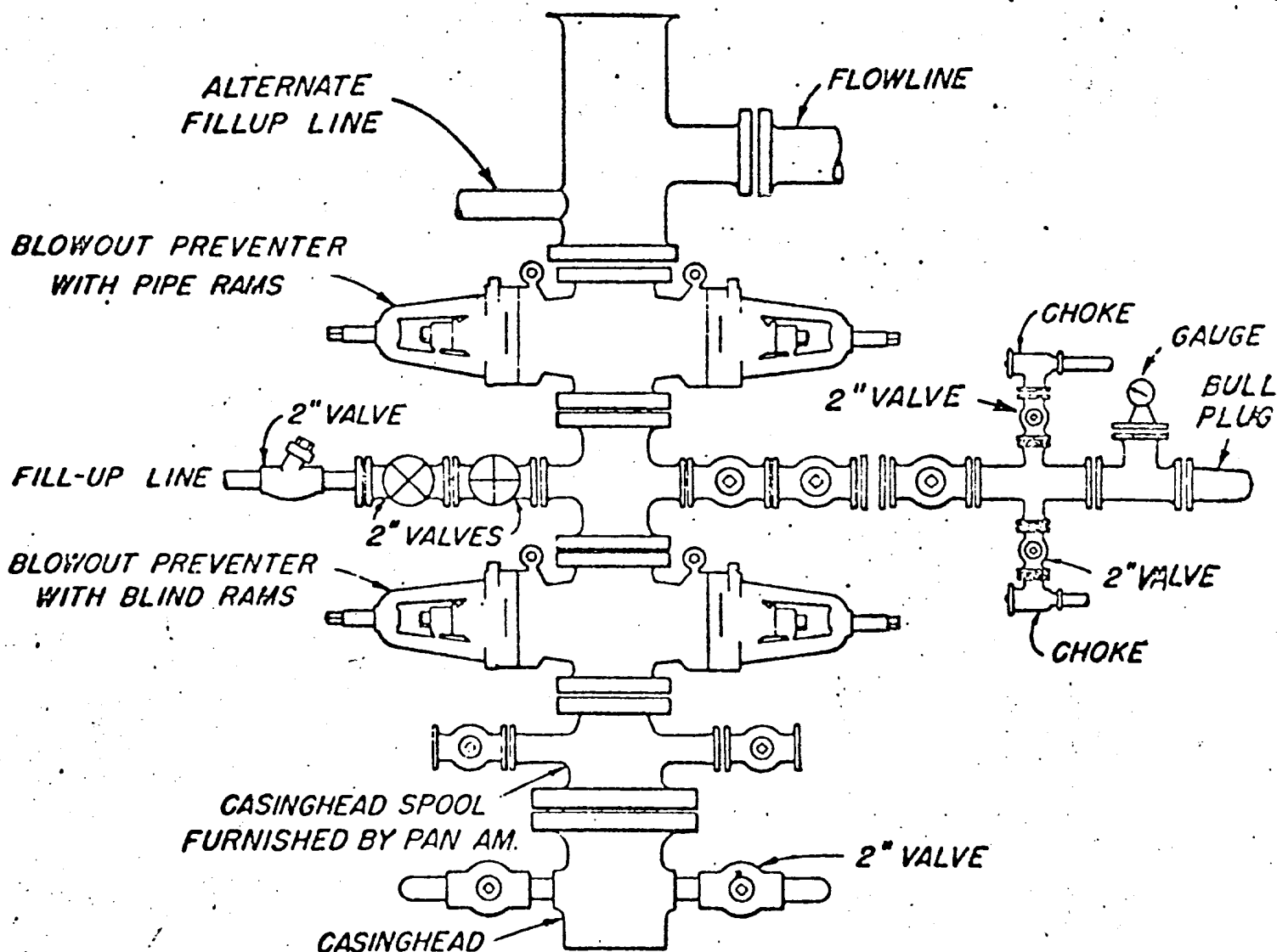
1. Blow-out preventers and master valve to be fluid operated and all fittings must be in good condition, 3,000# W.P. (6,000 p.s.i. test), minimum.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above blow-out preventer shall be same size as casing being drilled through.
4. Kelly cock required, 3,000# W.P. (6,000 p.s.i. test), minimum.
5. OMSCO or comparable safety valve must be available on rig floor at all times with proper connection or sub, 3,000# W.P. (6,000 p.s.i. test), minimum.
6. Blow-out preventers and master valve while drilling intermediate hole to 6,000' may be 2,000# W.P. (4,000 p.s.i. test), minimum.
7. Choke assembly, beyond second valve from cross, may be positioned (Optional) outside of derrick foundation.
8. Spool or cross may be eliminated if connections are available in the lower part of the blow-out preventer body.
9. Plug valves - gate valves are optional. Valves shown as 2" are minimum size.
10. Casing head and casing head spool, including attached valves, to be furnished by Pan American.
11. Rams in preventers will be installed as follows:

When drilling, use:

Top Preventer - Drill pipe rams  
Bottom Preventer - Blind rams or master valve

When running casing, use:

Top Preventer - Casing rams  
Bottom Preventer - Blind rams or master valve.



BLOWOUT PREVENTER HOOK-UP  
PAN AMERICAN PETROLEUM CORP.

EXHIBIT D-1 MODIFIED

JUNE 1, 1962