

SUBMIT IN 1 APPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42 R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

copy to SF

30-015-21961

5. LEASE DESIGNATION AND SERIAL NO.

NM-0415461

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Old Indian Draw Unit

8. FARM OR LEASE NAME

Old Indian Draw Unit

9. WELL NO.

18

10. FIELD AND POOL, OR WILDCAT

Indian Draw Delaware

11. SEC., T., R., M., OR B.L.
AND SURVEY OR AREA

19-22-28 NMPM

12. COUNTY OR PARISH

Eddy

13. STATE

NM

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

P. O. Drawer A, Levelland, Texas 79336

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

At surface 1973 FNL + 1973 FNL

1973 FNL 1991 FNL, Sec 19 (Unit F SE/4 NW/4)

At proposed prod. zone

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

9 miles southeast of Carlsbad, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, ET.

(Also to nearest grid unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, ET.

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

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

3072.8 GL

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	3-5/8"	24#	400'	Circulate
7-7/8"	5-1/2"	14 - 15.5#	3450'	Sufficient to tie back into surface pipe.

After drilling well, logs will be run and evaluations made, perforating and/or stimulating as necessary in attempting commercial production.

Mud Program: O-SCP
SCP-TD

Water & Native Mud
Brine & Native Mud

BOP Program Attached

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AUG 30 1976

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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.

24.

SIGNED

Ray W. Cox

TITLE

Administrative Assistant

DATE

8/20/76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

044 USGS ART
1- Div
1- SusP
1- RC
2- BASS
1- MARATHON

THIS APPLICATION IS VALID FOR 6 MONTHS
IF NOT COMPLETED WITHIN 6 MONTHS
EXPIRES
FEB - 2 1977
See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-128
Supersedes C-128
Effective 12-65

All distances must be from the outer boundaries of the Section

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U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

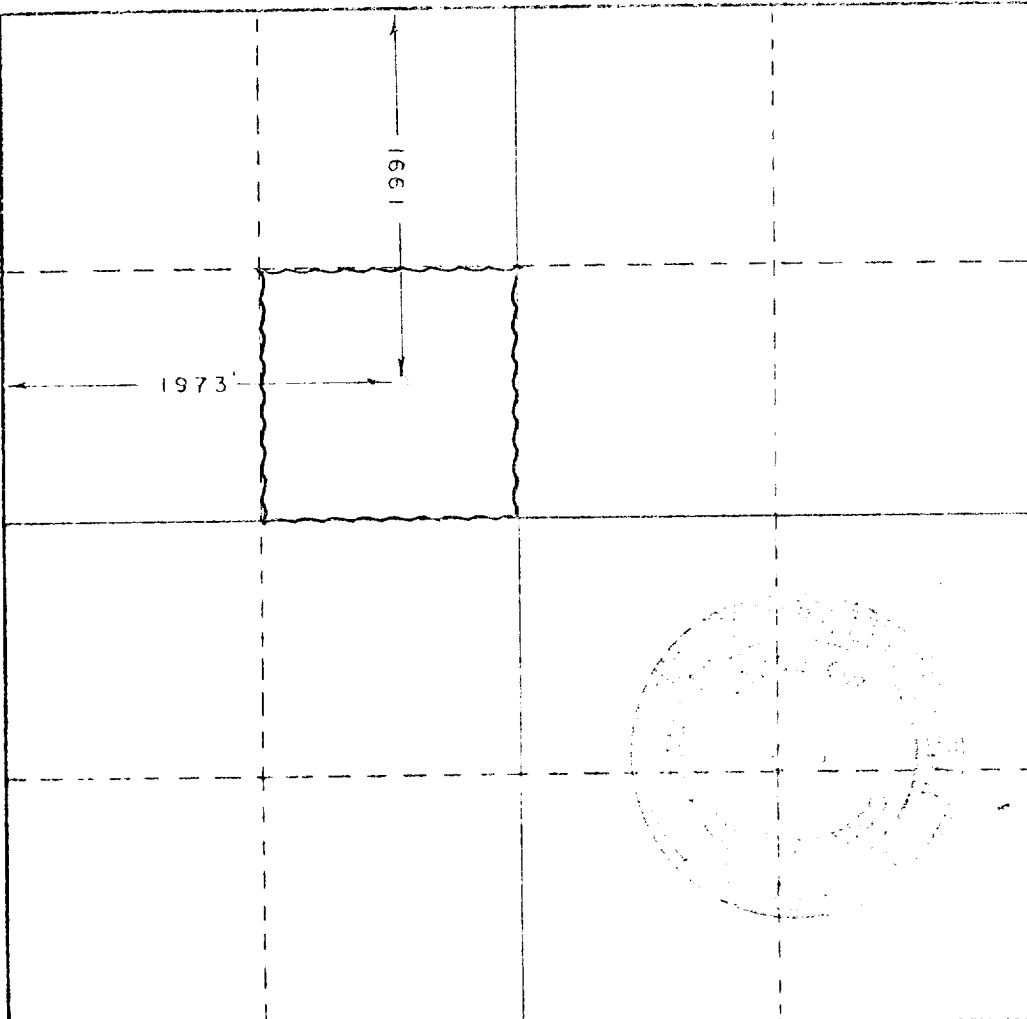
Operator AMOCO PRODUCTION COMPANY		Lease Old Indian Draw		Well 18
Unit Letter F	Section 19	Township 22 South	Range 28 East	County Eddy
A. List the true location of well: 1973 feet to the west line and 1991 feet to the north line.				
Ground Level Elev. 3072.3	Producing Formation DELAWARE	Pool INDIAN DRAW DELAWARE	Estimated Acreage 40	

1. Outline the acreage dedicated to the subject well by colored pencil or scribe 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 Ray W. Cox
Position Administrative Assistant
Company AMOCO PRODUCTION COMPANY

Date
Aug. 20, 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 Aug. 13, 1976
Registered Professional Engineer and Land Surveyor John W. West

Amoco Production Company

ENGINEERING CHART
(TRACING)

SUBJECT OLD INDIAN DRAW UNIT

SEC. 7, 18 & 19, T-22-S, R-28-E, Eddy Co., N.M.

R-28-E

7

8

NORTH

T
22
S

17

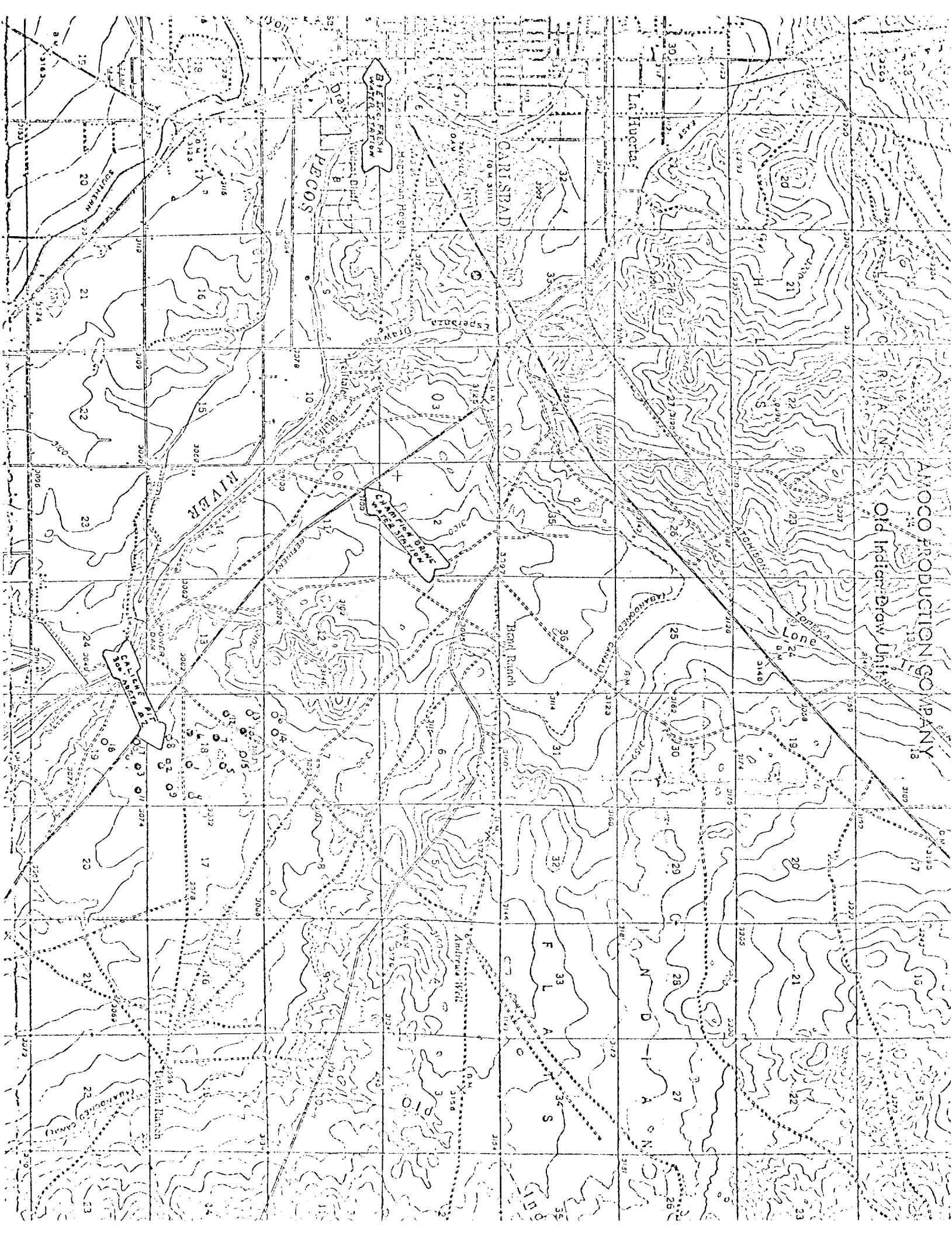
LEGEND

- EXISTING ROADS
- - - PROPOSED NEW ROAD
- · - · - PROPOSED FLOWLINE
- NEW WELLS
- EXISTING WELLS
- △ SWD WELL
- ⊕ TANK BATTERY

19

20

AMOCO PRODUCTION COMPANY
Old Indian Draw Unit



ATTACHMENT "B"
NOTES

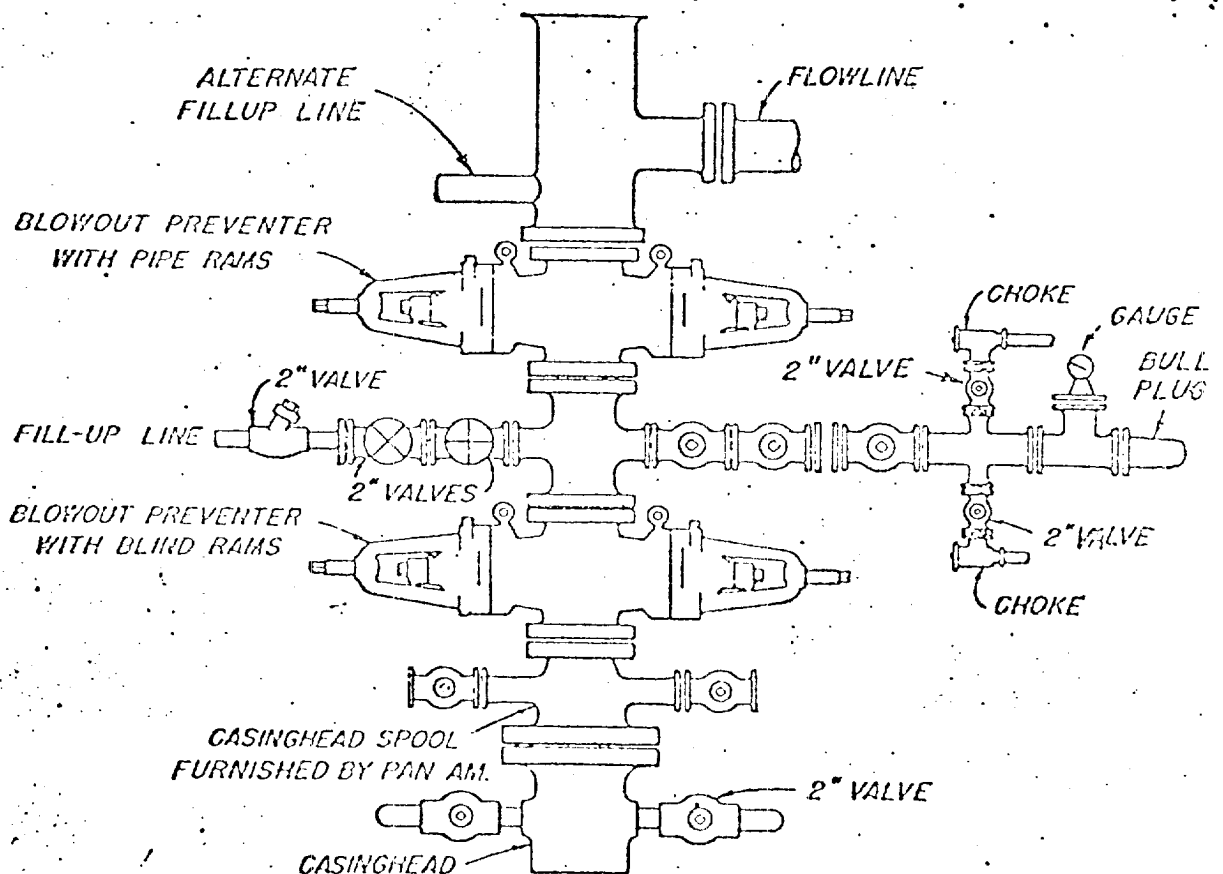
1. Blow-out preventers and master valve to be fluid operated and all fittings must be in good condition, 3,000# W.P. (6,000 p.s.i. test), minimum.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above blow-out preventer 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. OHSCO 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