

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-21391

5. LEASE DESIGNATION AND SERIAL NO.

NM-0415688 A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
OLD INDIAN DRAW  
UNIT FEDERAL

8. FARM OR LEASE NAME

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

INDIAN DRAW- DEL

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

18-22-28 NM PM

12. COUNTY OR PARISH 13. STATE

EDDY NM

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

ROTARY

22. APPROX. DATE WORK WILL START

NYA

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 660' FSL x 1980' FEL Sec. 18, (Unit 0, SW 1/4 SE 1/4)

At proposed prod. zone

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

Appx. 5 1/2 MILES EAST OF CARLSBAD, N. M.

10. 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

19. PROPOSED DEPTH

3,300

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

ROTARY

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

3079' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4 - 11"	8 5/8"	24 #	350	Circ.
7 7/8"	4 1/2"	9.5 #	3300	Tie back into surface pipe.

After drilling well, log shall be run and evaluations made, perforating and stimulating as necessary in attempting commercial production.

Mud Program - 0-350 Water & native mud.  
350 - TD Brine & native mud.

B-O-P - attached.

RECEIVED  
OCT - 2 1974  
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

Loy R. Yorkum

TITLE ADMINISTRATIVE ASSISTANT.

DATE

OCT 1 1974

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
OCT - 8 1974

TITLE

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

EXPIRES JAN - 8 1975

See Instructions On Reverse Side

OK 4 USGS ART  
1- DIV  
1- SUSP  
1- REV  
1- MARCHION  
1- BASS - MIDLAND

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 10-1  
Superintendent  
Effective 1-1-68

All distances must be from the outer boundaries of the Section

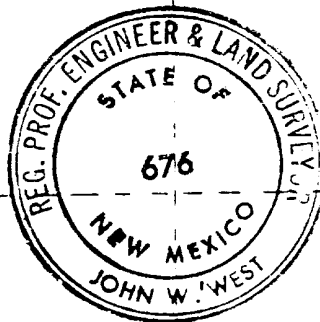
Amoco Production Company			Lease Old Indian Draw Unit <b>FEDERAL</b>		Section <b>2</b>
Section <b>O</b>	Range <b>18</b>	Township <b>22 South</b>	Range <b>28 East</b>	County <b>Eddy</b>	
Acres in Section <b>660</b>					
Section <b>3078.7</b>		Range <b>DELAWARE</b>		Township <b>INDIAN DRAW-DELAWARE</b>	
Section <b>40</b>		Range <b>40</b>			

- 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 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.

*Ry L. Yoakum*  
ADMINISTRATIVE ASSISTANT

Amoco Production Company

OCT 1 1974

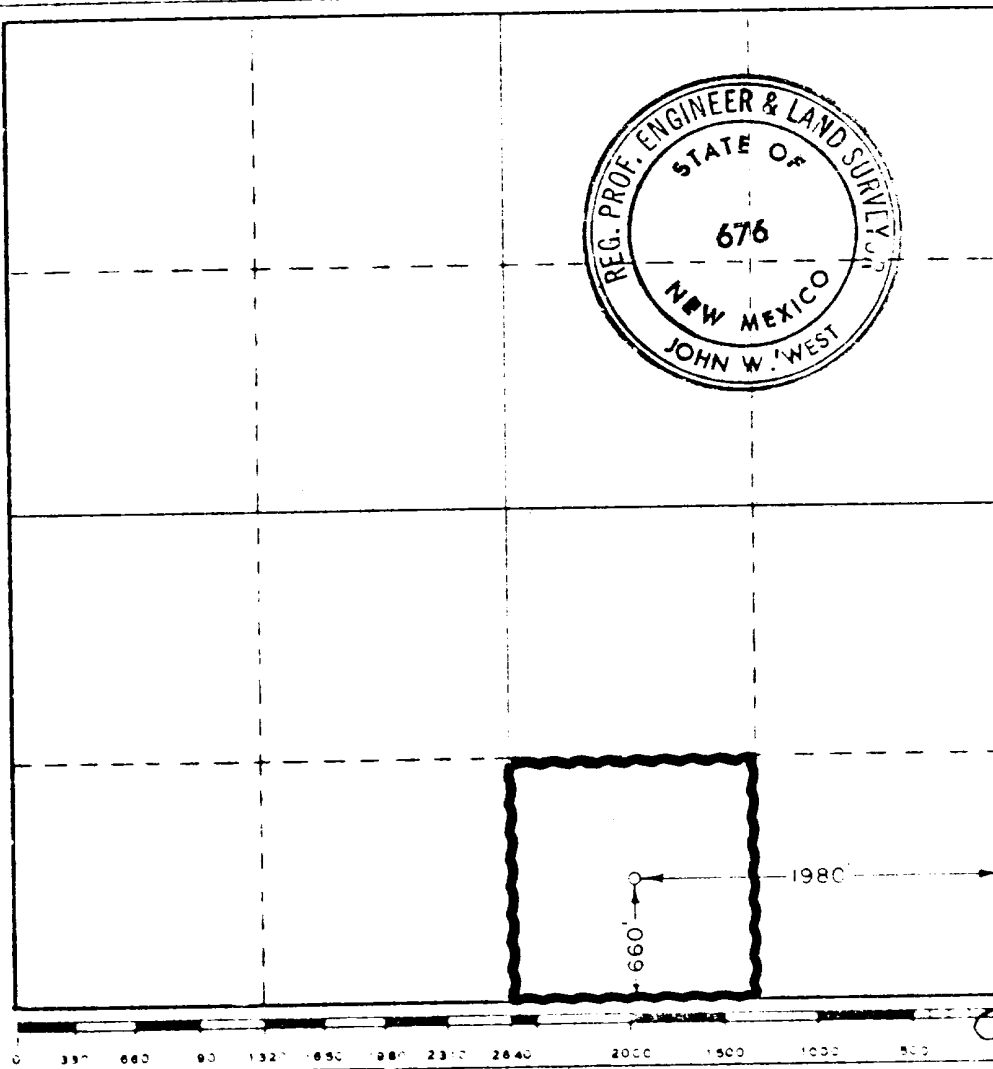
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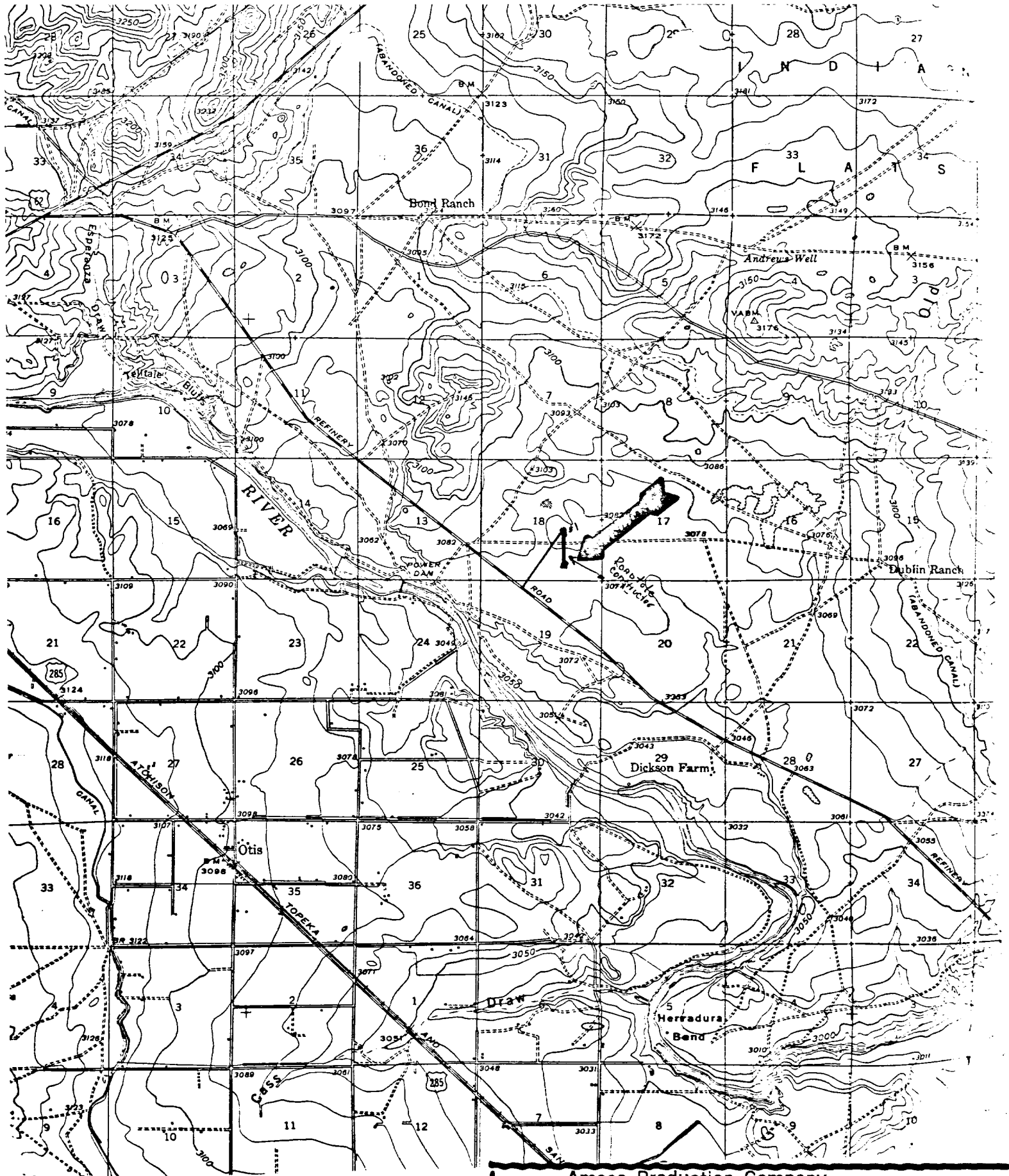
I hereby certify that the well location shown on this plat was a used from field notes of **OCT - 2 1974** made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

Date  
September 28, 1974

*John W. West*  
676





Amoco Production Company  
OLD INDIAN DRAW UNIT FED #2  
O-18-22-28  
EDDY COUNTY NEW MEXICO

LEASE & WELL NUMBER OLD INDIAN DRAW UNIT #2  
LOCATION 660' FSL x 1980' FEL Sec. 18 T-22-S, R-28-E  
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  
(SEE ATTACHED MAP)
5. Location of Tank Batteries & Flow Lines.  
(SEE ATTACHED MAP)
6. Location and type of water supply.  
BENE! FRESH Water to be hauled. APPX 3-5 MILES.  
\_\_\_\_\_ 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 170X230 X 6" Compacted caliche ~~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.  
APPX 1320' ROAD TO BE CONSTRUCTED. 6" WATER + COMPACTED CALICHE  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

O.R. WILLIAMS, HOBBS N.M. 393-2167



**ATTACHMENT "B"**  
**NOTES**

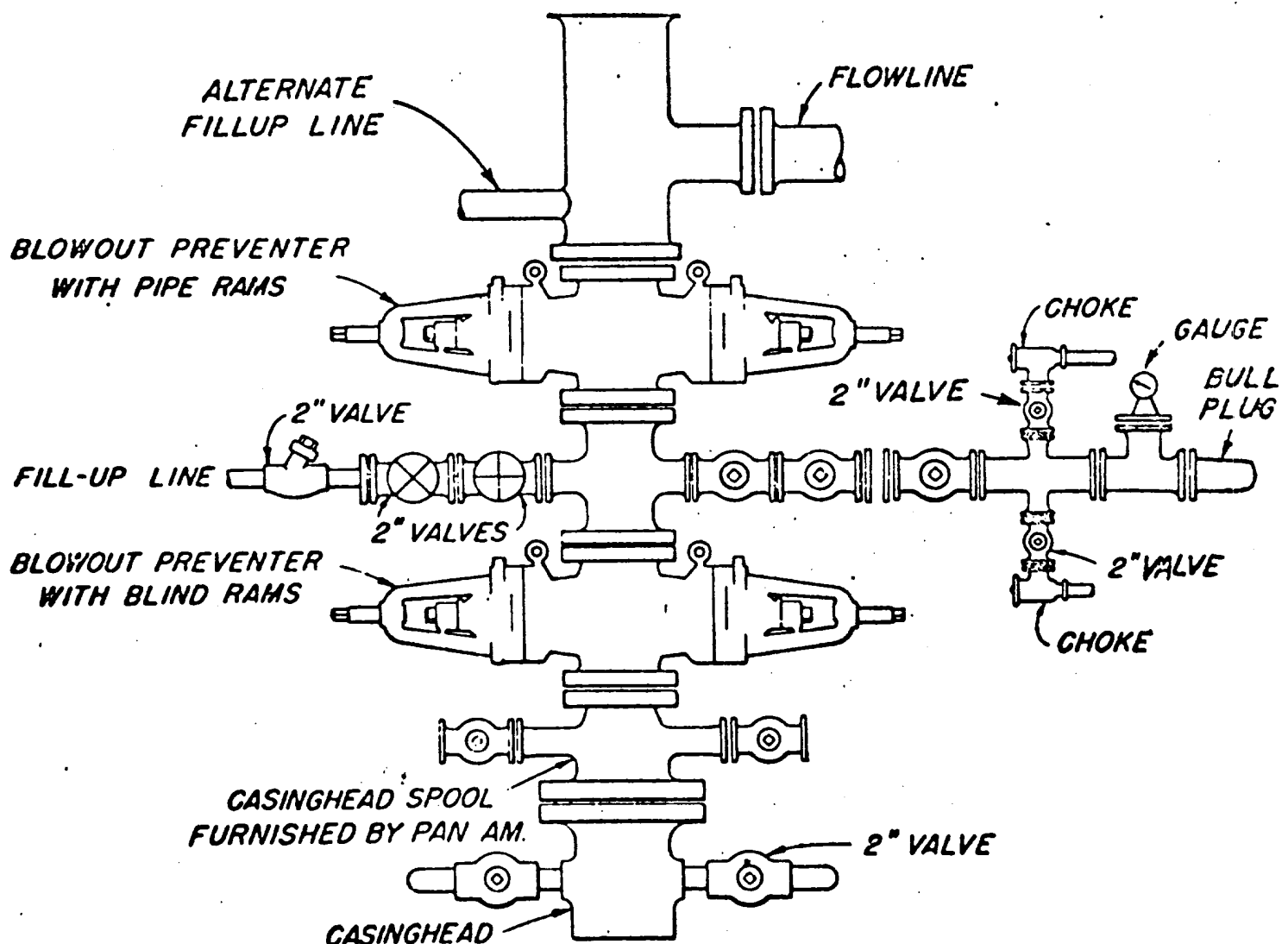
1. Blow-out preventers and master valve to be fluid operated and all fittings must be in good condition, 3,000# W.P. (6,000 p.s.i. test), minimum.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above blow-out preventer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

Amoco Production Company

JUNE 1, 1962

OLD INDIAN DRAW UNIT FED #2