

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-21746

5. LEASE DESIGNATION AND SERIAL NO.
14-20-403-30336. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo Tribal "P"9. WELL NO.
710. FIELD AND POOL, OR WILDCAT
Yocite Dome Penn. ND11. SEC., T., R., M., OR BLK.
SW/4 SE/4 Section 8,
T-26-N, R-18-W12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico

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

501 Airport Drive, Farmington, New Mexico 87401

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

At surface 660' FSL & 1960' FKL, Section 8, T-26-N, R-18-W

At proposed prod. zone

Same

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

20 miles south of Shiprock, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

2544

17. NO. OF ACRES ASSIGNED

160' (JOINT with P-8)

18. DISTANCE FROM PROPOSED LOCATION*

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

1320'

19. PROPOSED DEPTH

6600'

20. ROTARY OR CABLE TOOLS

Rotary

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

5776'
GL est.

22. APPROX. DATE WORK WILL START*

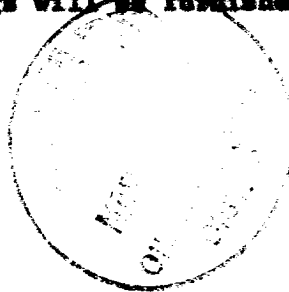
April 1, 1973

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/4"	13-3/8"	48#	100'	100 sx
11"	8-5/8"	24#	1300'	500 sx
7-7/8"	5-1/2"	15.5#	6600'	1000 sx in 2 stages

Well will be drilled through the Morrison water zones and 8-5/8" intermediate casing set. Well will be drilled through the Pennsylvanian "D" and completion designed from open hole logs. A copy of all logs will be furnished upon completion. Copy of location plat attached.



RECEIVED

MAR 25 1973

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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

TITLE

Area Adm. Supvr.

DATE

March 24, 1973

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

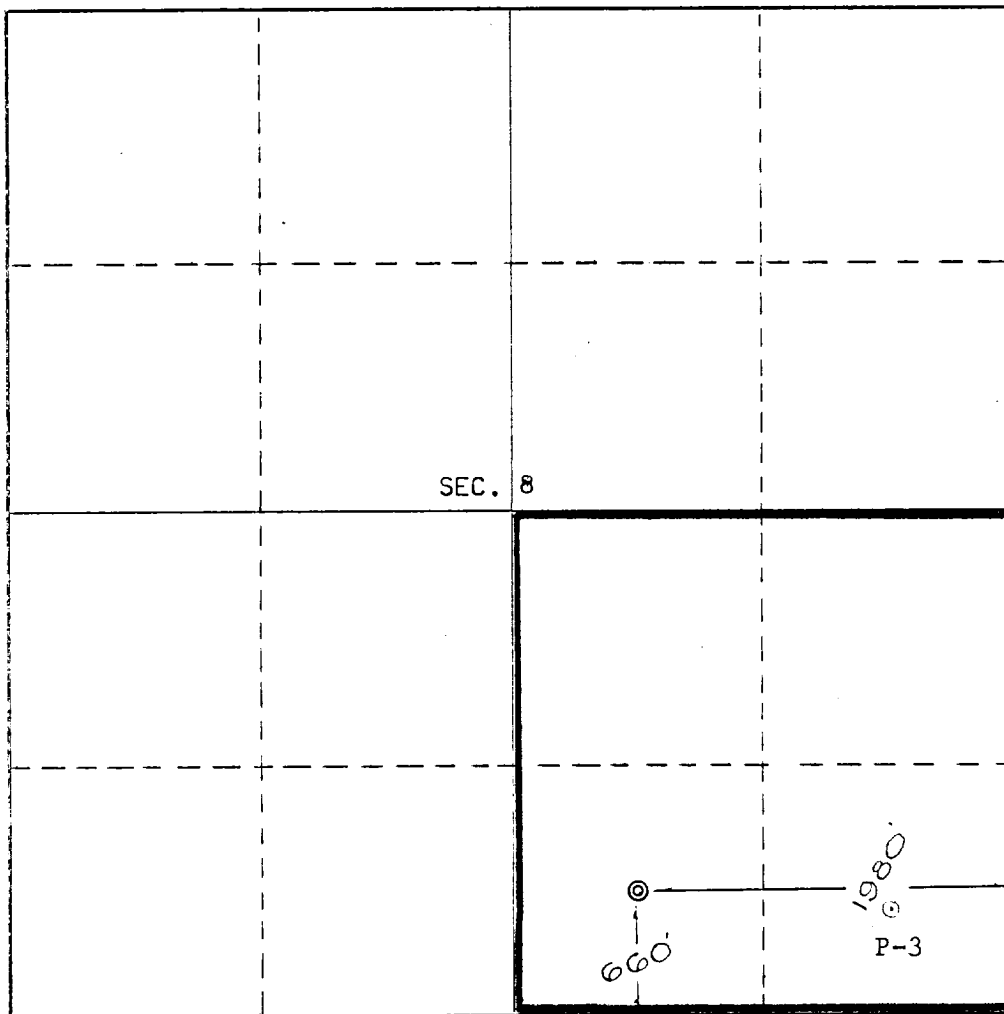
Operator AMOCO PRODUCTION COMPANY			Lease Navajo Tribal "P"		Well No. 7
Unit Letter 0	Section 8	Township 26 North	Range 18 West	County San Juan	
Actual Footage Location of Well: 660 feet from the South line and 1980 feet from the East line					
Ground Level Elev. 5776 est.	Producing Formation Pennsylvanian "D"	Pool Tocito Dome Pennsylvanian "D"	Dedicated Acreage: 160 (Jt. with P-3) Acres		

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

G. L. Hamilton

Position

Area Adm. Supvr.

Company

AMOCO PRODUCTION COMPANY

Date

March 20, 1975

I hereby certify that the well location shown on this plat is plotted from field notes of actual surveys made by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed

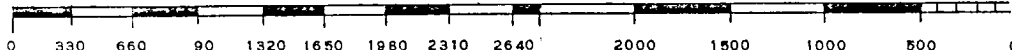
March 20, 1975

Registered Professional Engineer and/or Land Surveyor

E. V. Echokhawk LS

Certificate No. **3602**

E. V. Echokhawk LS



DEVELOPMENT PLAN
NAVAJO TRIBAL "P" NO. 7
SAN JUAN COUNTY, NEW MEXICO

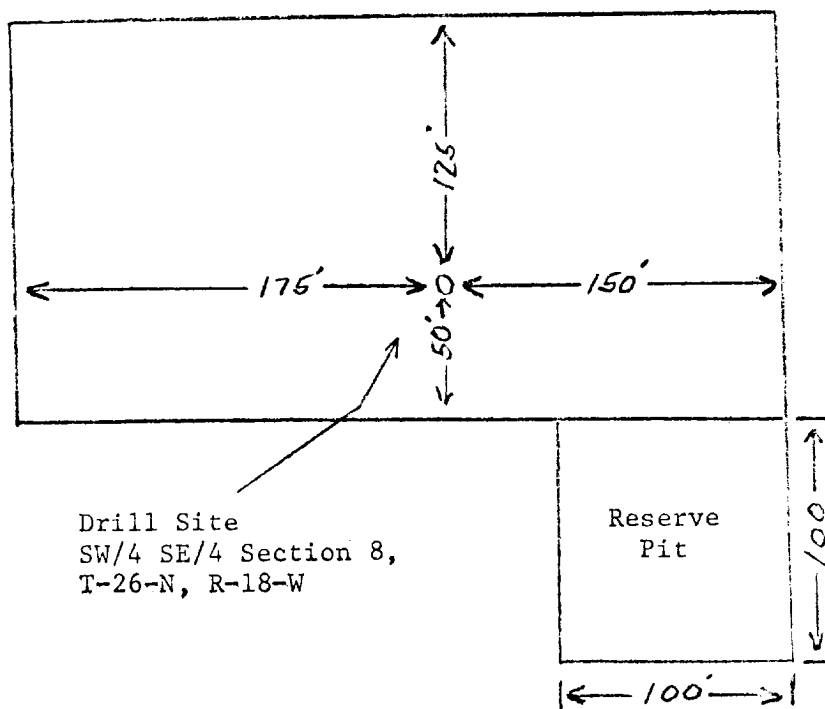
Amoco Production Company proposes to drill the subject well with rotary tools on a graded location as shown on the attached plat. Established roads exist in the area and approximately 350 feet of new road will need to be constructed to reach the location. Archaeological clearance to drill this location has been obtained from the proper authorities; also clearance from the Navajo Tribe has been obtained.

The area of the location is sandy soil with sparse vegetation. Drilling fluid will be a low solid, non-dispersed drilling mud. As well is located in an active oil field, Amoco has previously completed a water source well to provide water for the drilling. Upon completion the well location will be cleaned, and the reserve pit backfilled and location leveled.

Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design.

No camps or airstrips are necessary for the drilling of this well and the nearest airstrip is located near Shiprock, New Mexico.

N



Amoco Production Company		SCALE: None
DRILLING LOCATION DIAGRAM		
NAVAJO TRIBAL "P" NO. 7 - TOCITO DOME FIELD		DRG. NO. 75-MPT-324

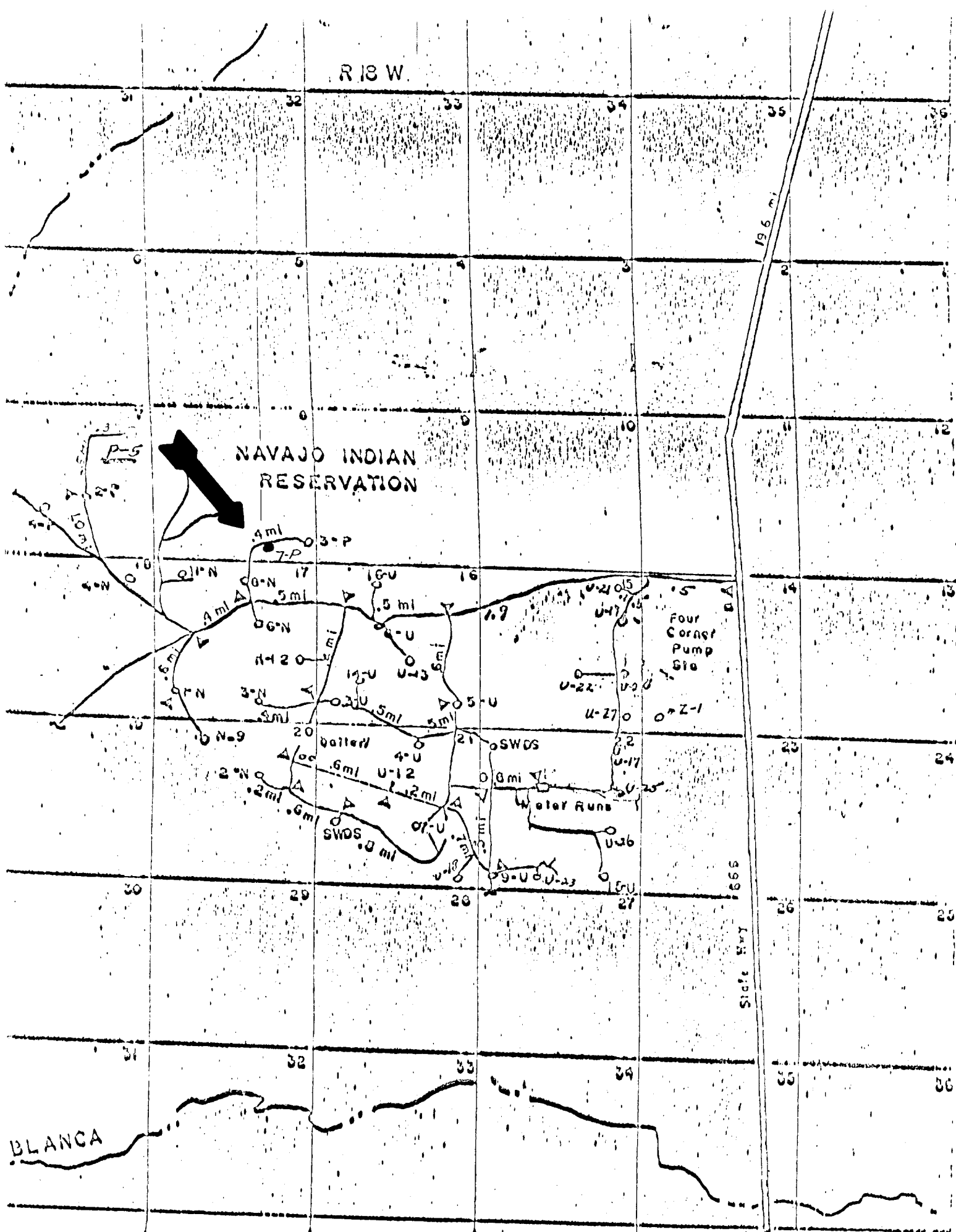
R 18 W.

NAVAJO INDIAN
RESERVATION

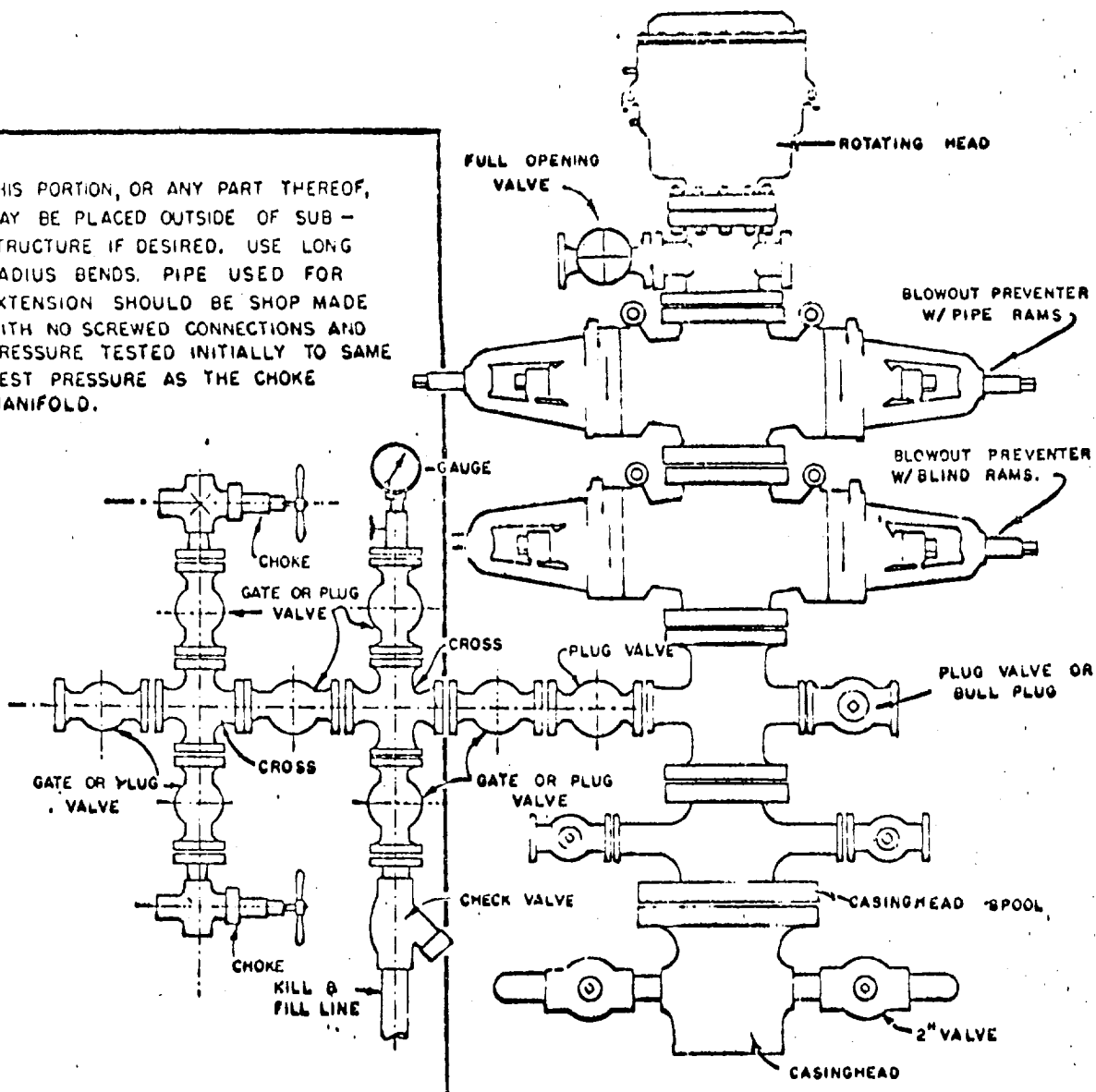
Four
Corner
Pump
Sta

State Hwy

BLANCA



THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKE MANIFOLD.



BLOWOUT PREVENTER HOOKUP

AMOCO PRODUCTION COMPANY

EXHIBIT D-4
OCTOBER 16, 1960