

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-21916

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

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82601

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

At surface

1730' FNL, 1060' FEL

At proposed prod. zone

Dakota

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

25 miles south of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1060'

16. NO. OF ACRES IN LEASE

439

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

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

None on Lease

19. PROPOSED DEPTH

6200'

20. ROTARY OR CABLE TOOLS

Rotary

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

6508' GR.

22. APPROX. DATE WORK WILL START*

10-24-75

23.

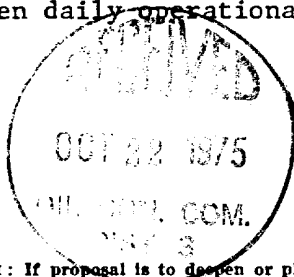
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	700'	300 sacks or to surface
7-7/8"	5-1/2"	15.5#	6200'	400 sacks

PROPOSED PROGRAM:

Drill 12-1/4" hole to 700'. Run and cement 8-5/8" casing. Drill 7-7/8" hole to 6200', log, and if production is indicated, run and cement 5-1/2" casing. The well will be completed with 2-3/8" tubing.

The B.O.P. will be given daily operational test and each test logged.



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U. S. GEOLOGICAL SURVEY

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

B. L. Griffith

TITLE

Drilling Superintendent

DATE

10-16-75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PROBATION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128
 Revised 5/1/57

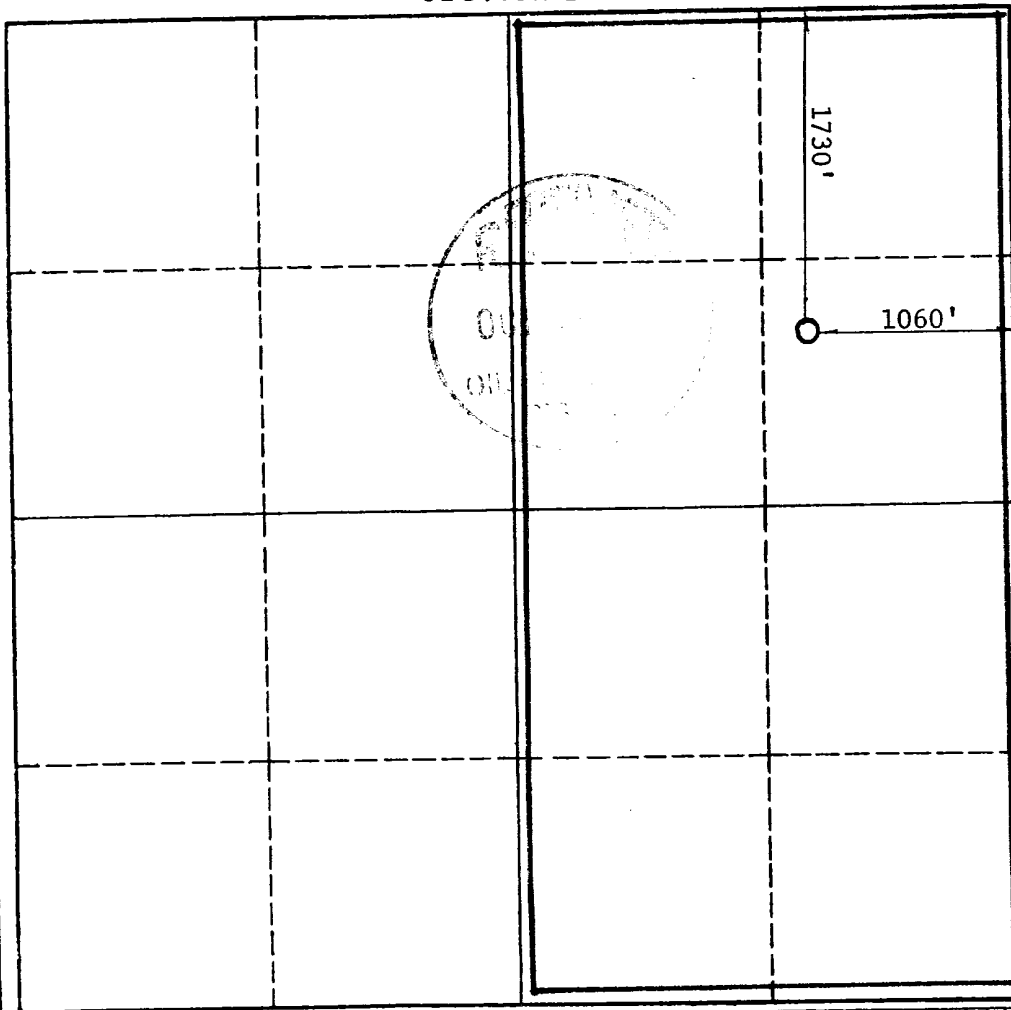
SECTION A

Operator Union Oil Company of California		Lease Federal (SF-078621-A) / 4		Well No. 1-100 (H)
Unit Letter	Section 24	Township 25 North	Range 11 West	County San Juan
Actual Footage Location of Well: 1730 feet from the north line and 1060 feet from the east line				
Ground Level Elev. 6508'	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage: 320 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO X . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES X NO ____ . If answer is "yes," Type of Consolidation Communitization Agreement
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
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SECTION B



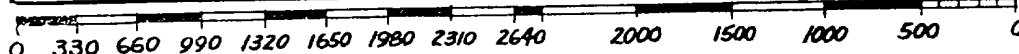
CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

[Signature]
 Name
 Position
Drilling Superintendent
 Company
Union Oil Company of Calif.
 Date
October 16, 1975

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual survey 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
October 16, 1975
 Registered Professional Engineer and/or Land Surveyor
[Signature]
 Certificate No. **3602** L.S.



FEDERAL NO. 1-H24
SAN JUAN COUNTY
NEW MEXICO

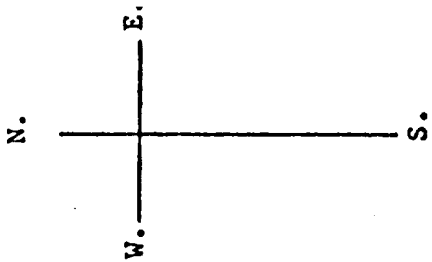
12-POINT SURFACE USE PLAN

1. The proposed location is approximately 6 miles northwest of Huerfano Trading Post and N.M. Highway No. 44.
2. The access road to the location will be approximately 400' long and will branch off an existing unimproved road as shown on the attached map. Road construction will be kept to a minimum. The access road will consist of only blading away existing vegetation. Existing roads will be used wherever possible. In event the well is a commercial producer, the access road will be improved in whatever manner is customary in the area.
3. The location is 1730' FNL & 1060' FEL of Section 24, Township 25 North, Range 11 East, San Juan County, New Mexico, as shown on the attached map, with other wells within 1 mile.
4. Lateral roads to other locations are depicted on the attached map. No new roads will be constructed.
5. The flow line to the subject well will be laid to a tank battery located on the well location.
6. Water will be hauled to the location from Giegus Wash at the Carson Trading Post, located approximately 12 miles northwest of the wellsite.
7. Waste material and cuttings will be disposed of in the reserve pit and garbage will be disposed of in a small burn pit.
- 8 & 9. No camps or airstrips will be constructed.
10. A diagram of the drilling rig is attached.
11. The surface will be restored as nearly as possible to its original condition. Top soil will be stockpiled and later distributed evenly over the site. The site will be reseeded with a recommended seed mixture.
12. The topography is rolling sand hills sparsely covered with sagebrush and native grass. The location will require a cut of 4 feet on the south side of the location. The subsoil that is cut from the location will be used as fill on the low areas of the location.

FEDERAL NO. 1-H24
SAN JUAN COUNTY
NEW MEXICO

ADDITIONAL INFORMATION

1. Surface Casing: 8-5/8", 24#, K-55, New.
2. See attached well head schematic.
3. No intermediate casing will be run.
4. See attached schematic of BOP and manifold. BOP will be operationally tested daily and recorded.
5. Auxiliary equipment to consist of a kelly cock and a safety valve that can be stabbed into the string when the kelly is not in service.
6. Maximum anticipated bottom hole pressure is 2200 psi.
7. Drilling fluid will be water and native clay to approximately 3900', then fresh water with commercial bentonite, barite and chemical added to maintain a 9.2#/gallon mud weight to total depth.



300'

200'

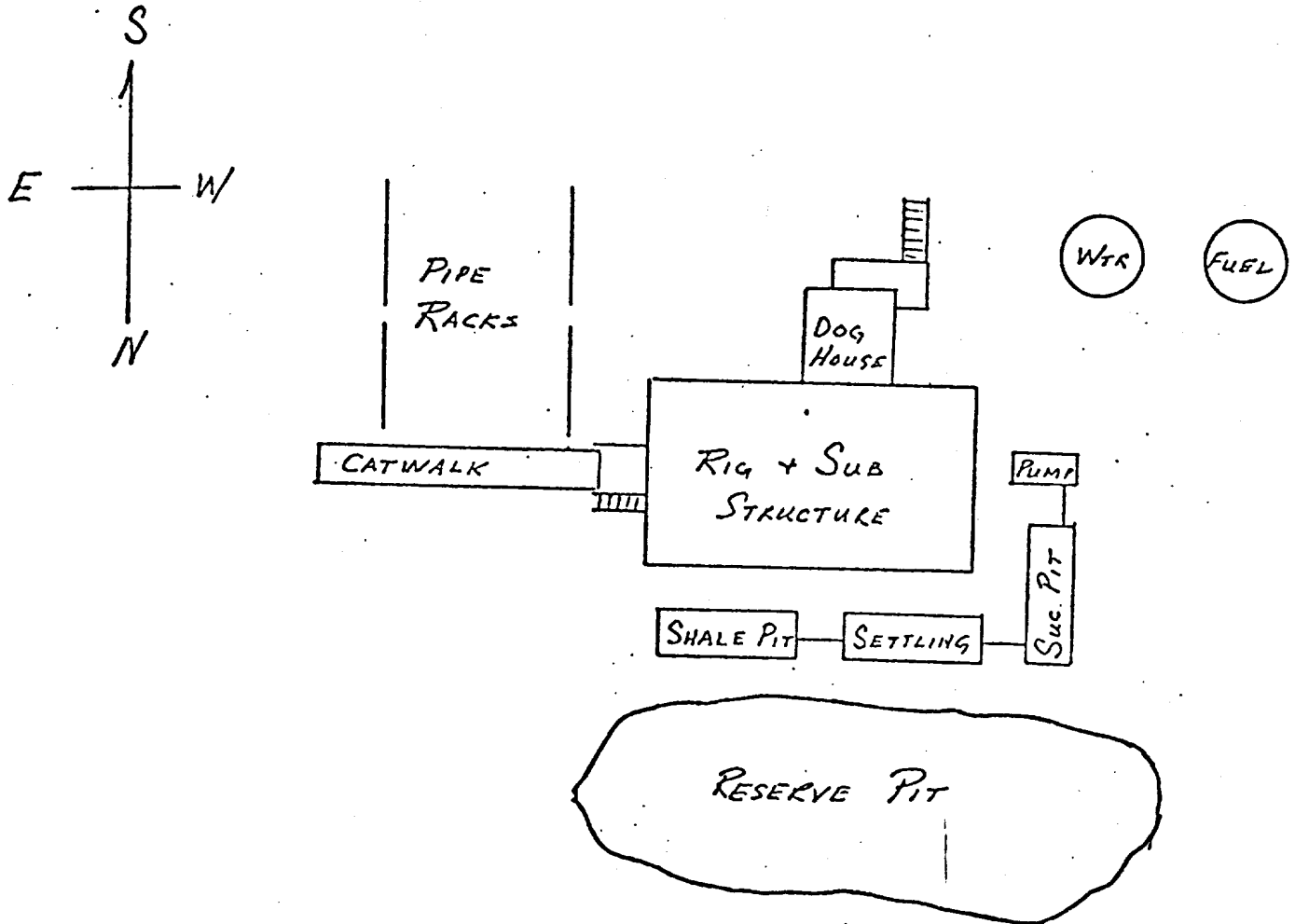
Proposed
Tank Battery
Location

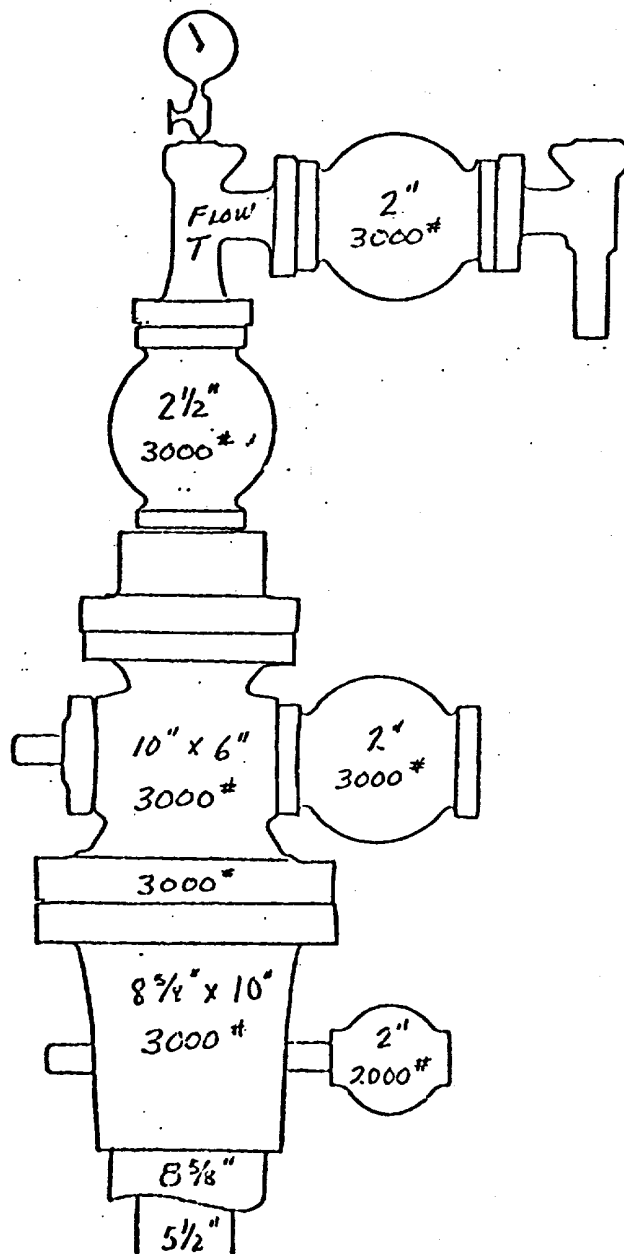
Entrance

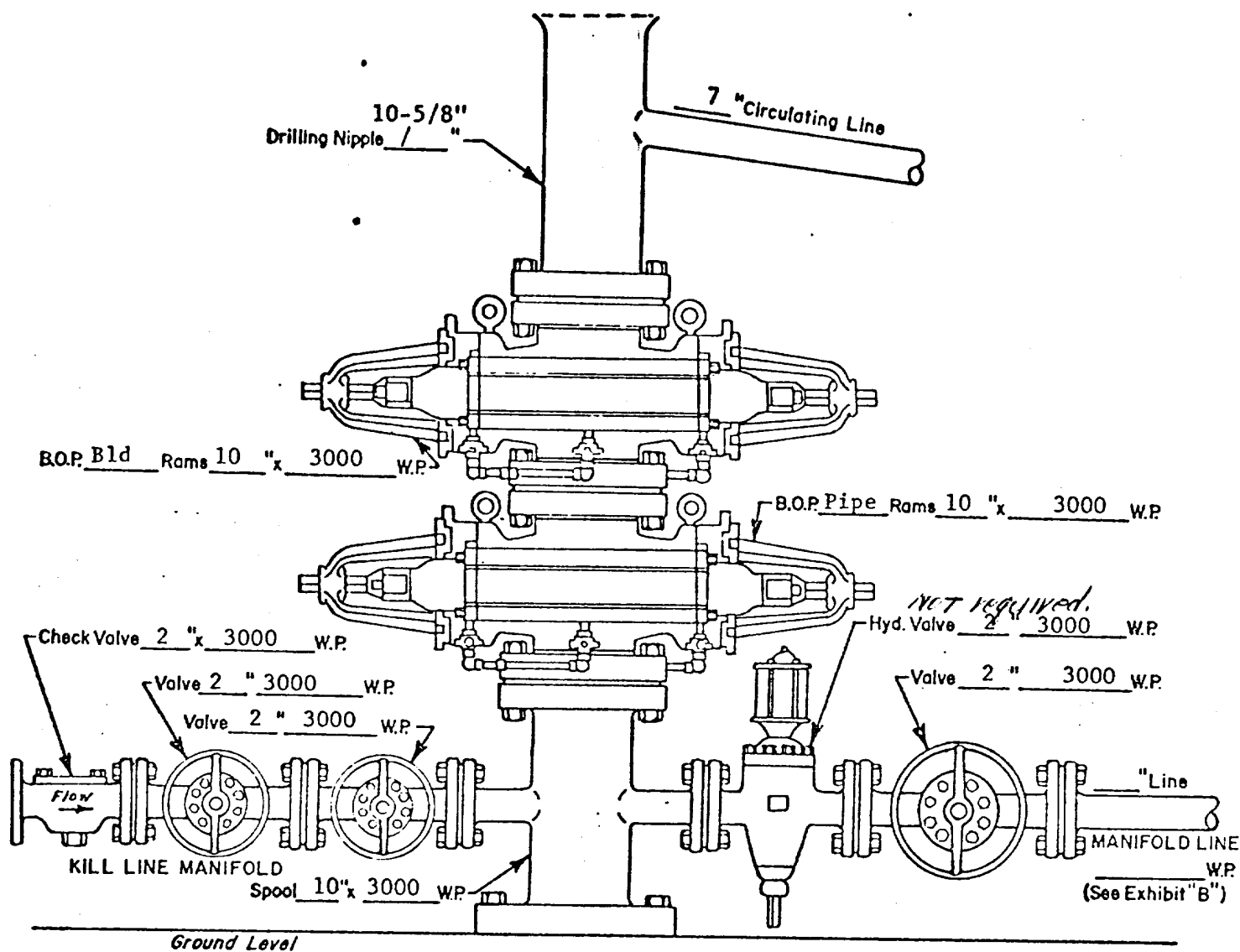
LOCATION SIZE

Union Oil Company of California
Federal No. 1-H24
10-16-75

RIG LAYOUT



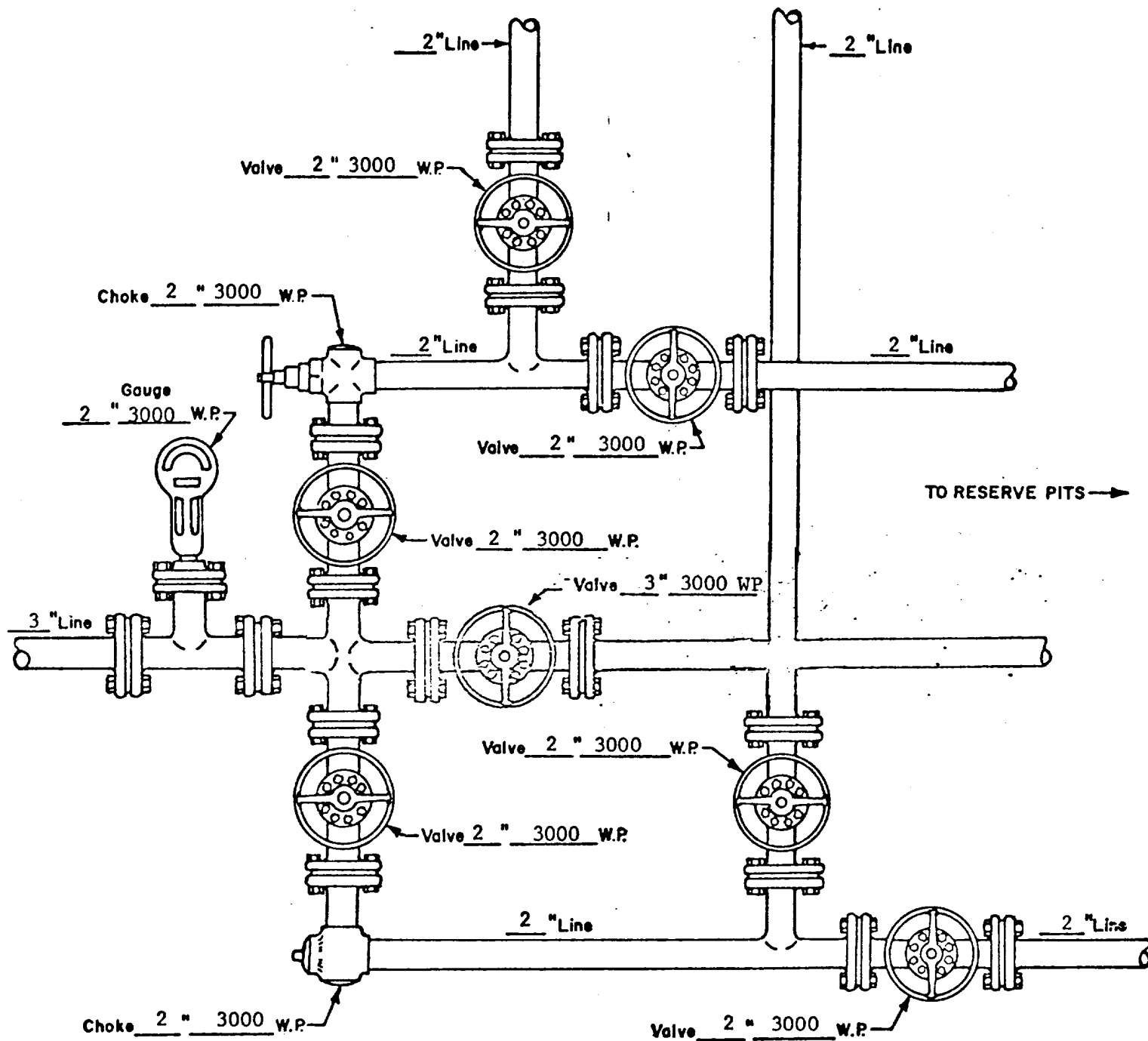




WELL HEAD B.O.P.
3000 # W.P.

☒ Manual
☐ Hydraulic

TO WORKING PITS



MANIFOLD
3000 *W.P.

☒ Manual
☐ Hydraulic

Union Oil Company of California
Federal No. 1-H24
BLG/10-16-75

