

UNITED STATES
DEPARTMENT OF THE INTERIOR
NM OIL CONS. COMMISSION
Artesia, NM 88210

GEOLOGICAL SURVEY

C/SF

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

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

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

At surface

1045' FWL, 2363' FNL

At proposed prod. zone
Same

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

6 Miles SW Whites City, New Mexico

15. DISTANCE FROM PROPOSED*

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

NA

16. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

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

NA

19. PROPOSED DEPTH

7,050'

20. ROTARY OR CABLE TOOLS

Rotary

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

3720 GR

22. APPROX. DATE WORK WILL START*

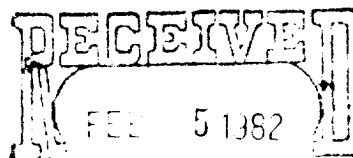
February 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond	29.3 H-40	40'	30 cu.ft. Circulate
12 1/2"	9 5/8"	32.3 H-40	800'	630 cu.ft. Circulate
8 1/2"	7"	23.0 N-80	7050'	1341 cu.ft.

Project approved by NMOCD Order No. R-6175-A.
Selectively perforate and treat the Morrow formation for gas storage.
A 3000 psi W.P. and 6000 psi test double gate BOP with blind and
pipe rams will be used for blowout prevention.

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Posted ID-1
4 NL Book
Amended Location
3-5-82

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 prevention program, if any.

24.

SIGNED

TITLE Area Drilling Eng.

DATE 2-4-82

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVED BY

FEB 22 1982

CONDITIONS OF APPROVAL

JAMES A. GILHAM
DISTRICT SUPERVISOR

APPROVAL DATE

APPROVAL SUBJECT TO

TITLE GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

DATE

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT

Superseries 6-128
Effective 1-1-65

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

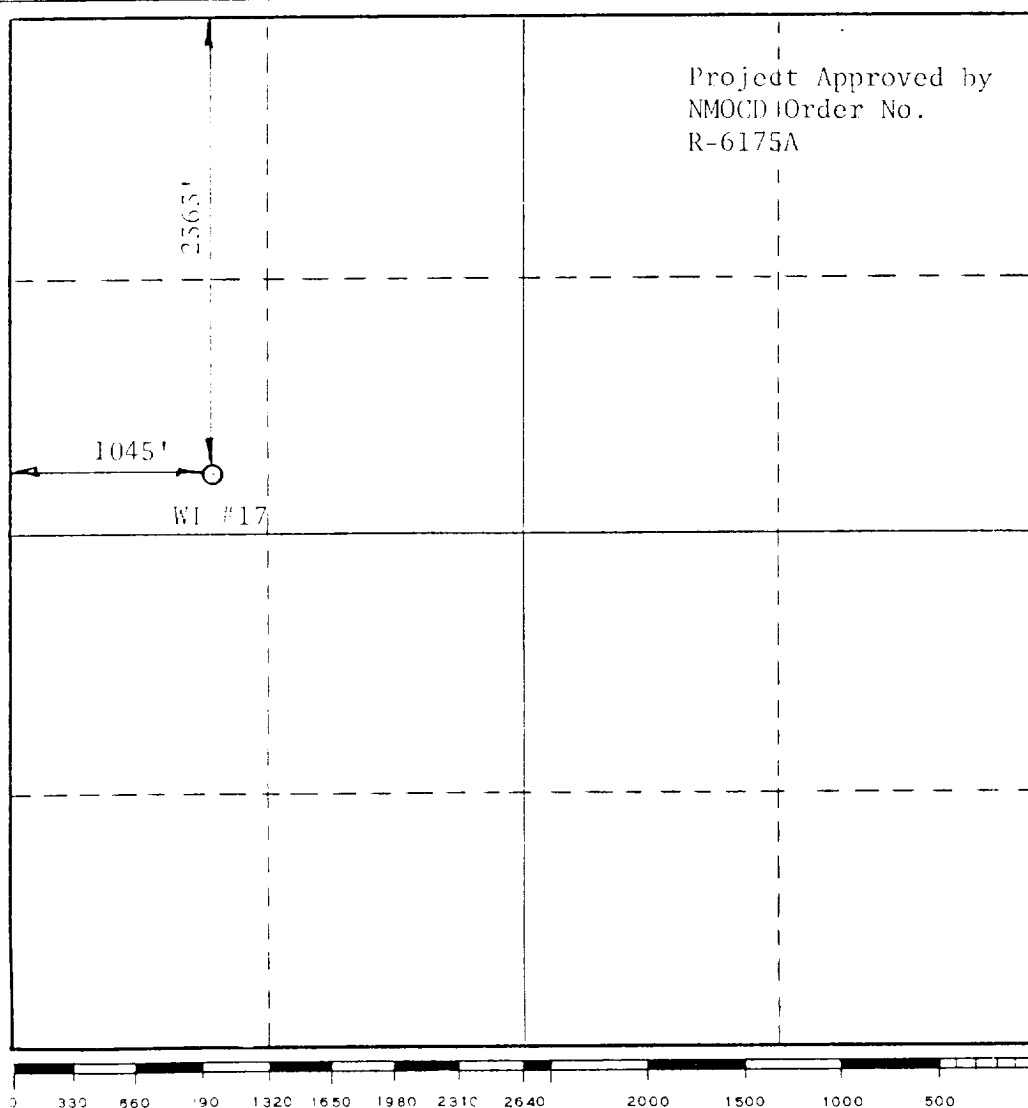
Operator El Paso Natural Gas Company		Lease Washington Ranch Storage Project		Well No. WI #17
Unit Letter E	Section 34	Township 25-S	Range 24-E	County Eddy County, New Mexico
Actual Existing Location of Well:				
2563 feet from the North line and		1045 feet from the West line		
Ground Level Elev. 3720'	Producing Formation Morrow	Pool Washington Ranch - J	Dedicated Acreage: N/A 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.

H. L. Mitchell

Name

H. L. Mitchell

Position

Area Drilling Eng.

Company

El Paso Natural Gas Co.

Date

2-4-82

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

1/26/82

Registered Professional Engineer
and/or Land Surveyor

Earl W. Monteth

Certificate No.

LS #1317

OPERATIONS PLAN

Washington Ranch Storage Project W.I. 17

I. Location:

Section 34, T-25-S, R-24-E
Eddy County, New Mexico

Field:

Washington Ranch

Elevation: 3720 GR

II. Geology:

A. Formation Tops:

Surface	Quaternary
Castile	180
Lamar	500
Dela. Ss	575
Cherry Cn	1,475
Bone Spring	3,550
Wolfcamp	5,550
Strawn	5,625
Atoka	6,960
Morrow Ls	6,500
Morrow Clastics	6,620
T.D.	= 7,050

B. Logging Program:

FDC-CNL
Dual Induction - SFL & SP & GR curves
BHC-Sonic

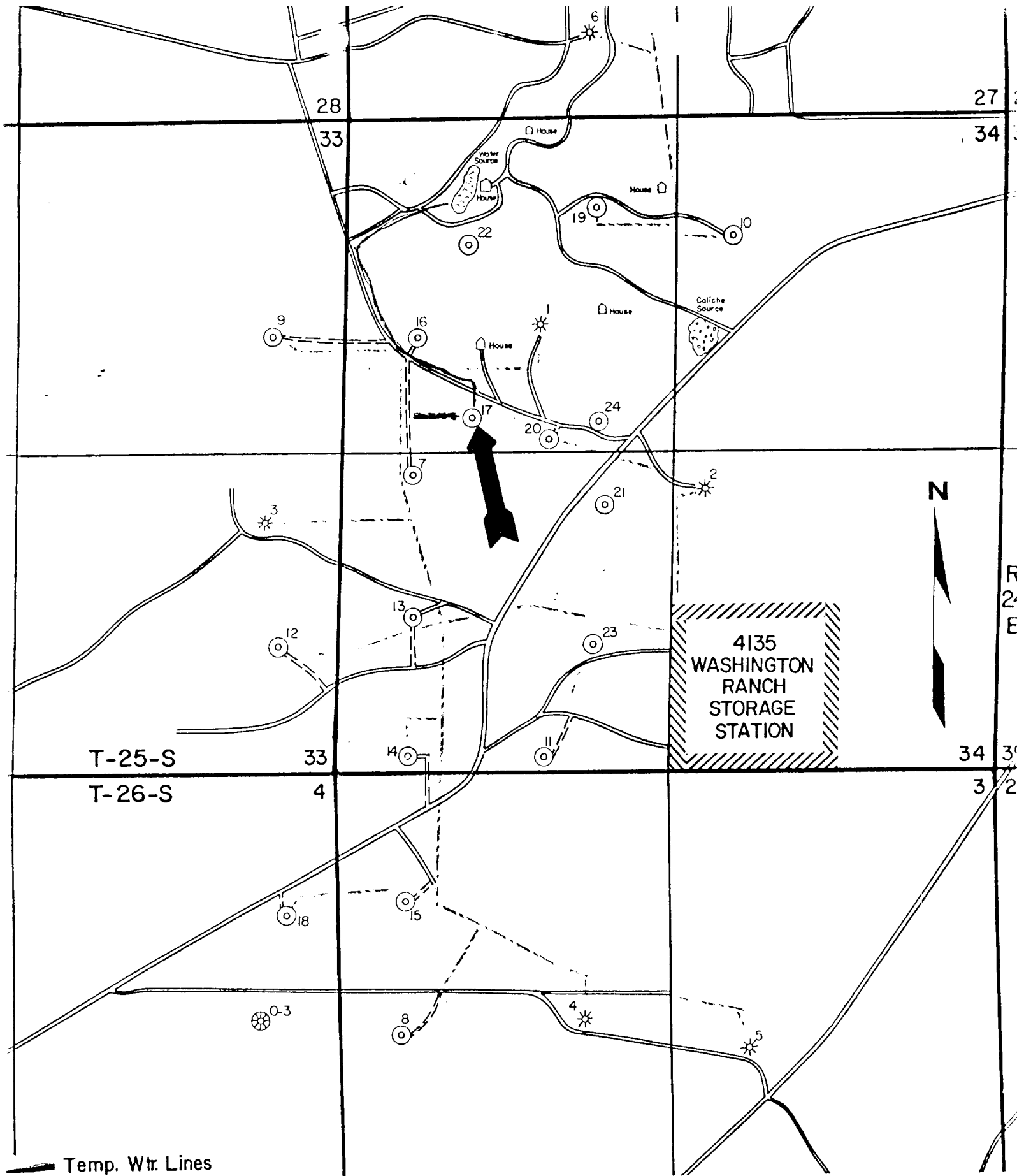
C. Coring:

None

III. Drilling:

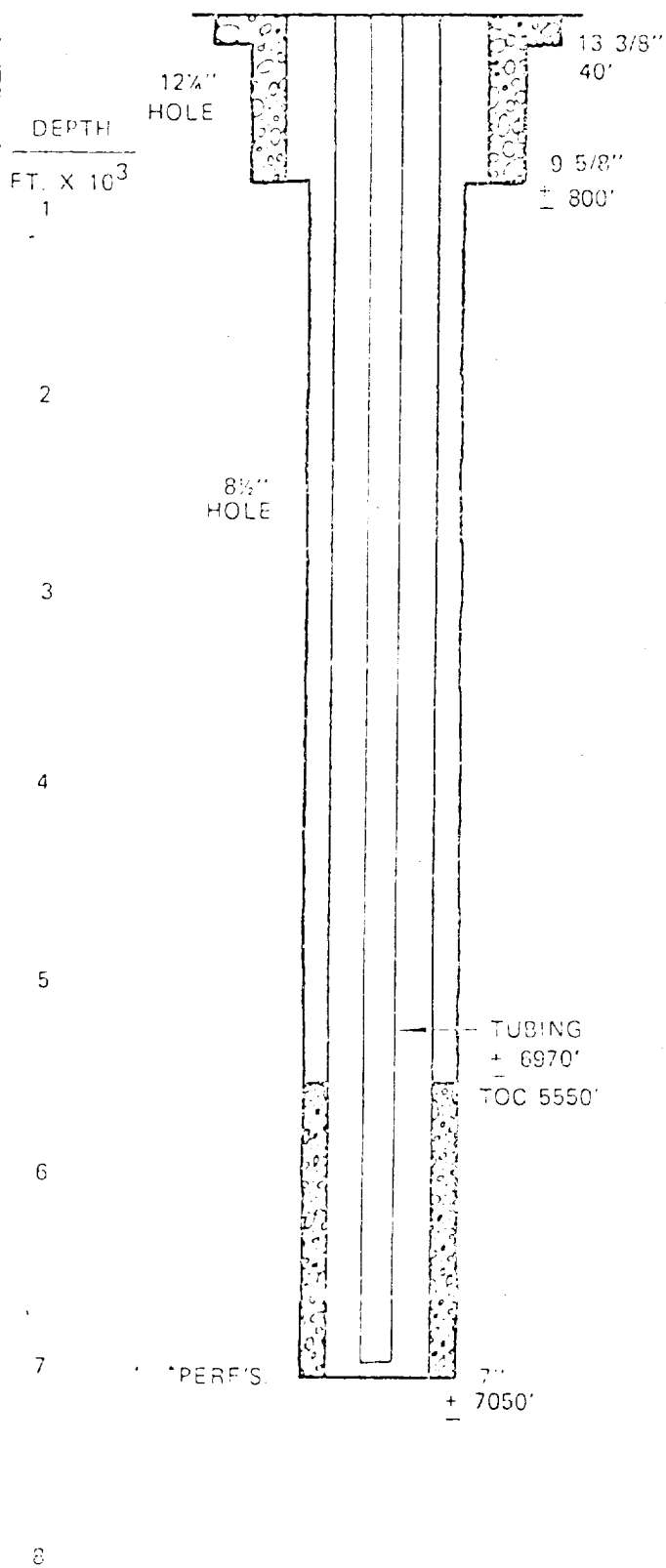
A. Mud Program:

Fresh water non-dispersed mud from surface
to coring point.
Use low fluid loss non-dispersed mud from
coring point to T.D.



- Temp. Wtr. Lines
- Existing Roads
- Proposed Roads
- Proposed Pipeline
- Existing Wells
- Proposed Wells

WASHINGTON RANCH
PROPOSED NEW I-W WELL



SIZE	GRADE	WT	BURST	COLLAPSE	DRIFT ID
13 3/8"	USED				
9 5/8"	H-40	32.3	2270	1400	8 845
7"	K-55	23	4360	3270	6 241
2 7/8"	J-55	6.5	7260	7680	2 441
*N-60					

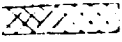
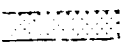
*AVG. MID. PERF. 6970'

T-25-S

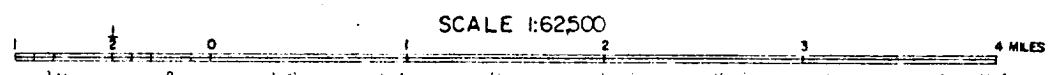
T-26-S

R-24-E

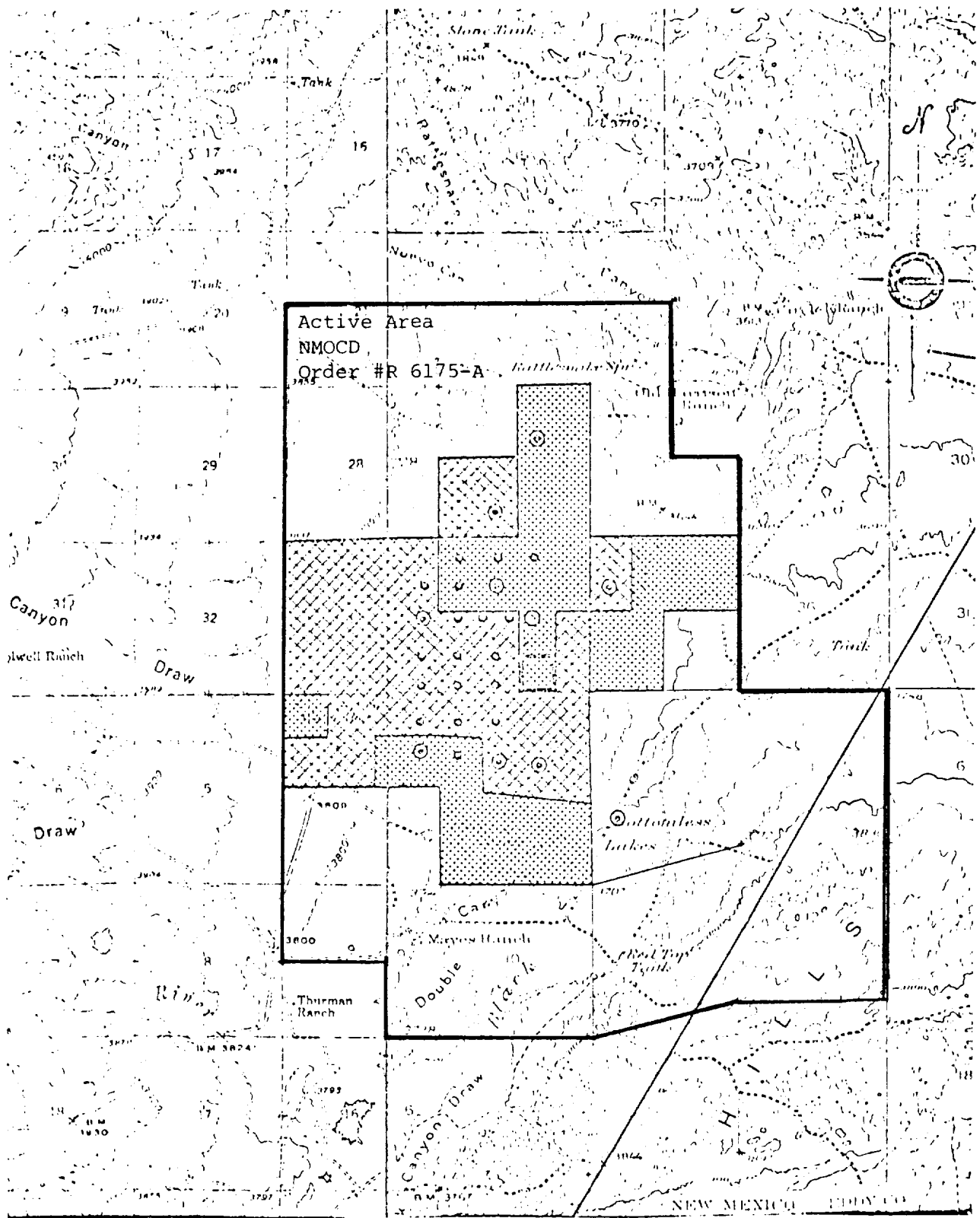
Active Area
NMOCD
Order #R 6175-A

- LEGEND
-  U.S. LAND
 -  FEE LAND
 -  EXISTING WELL
 -  PROPOSED WELL
 -  PROPOSED PLANT SITE

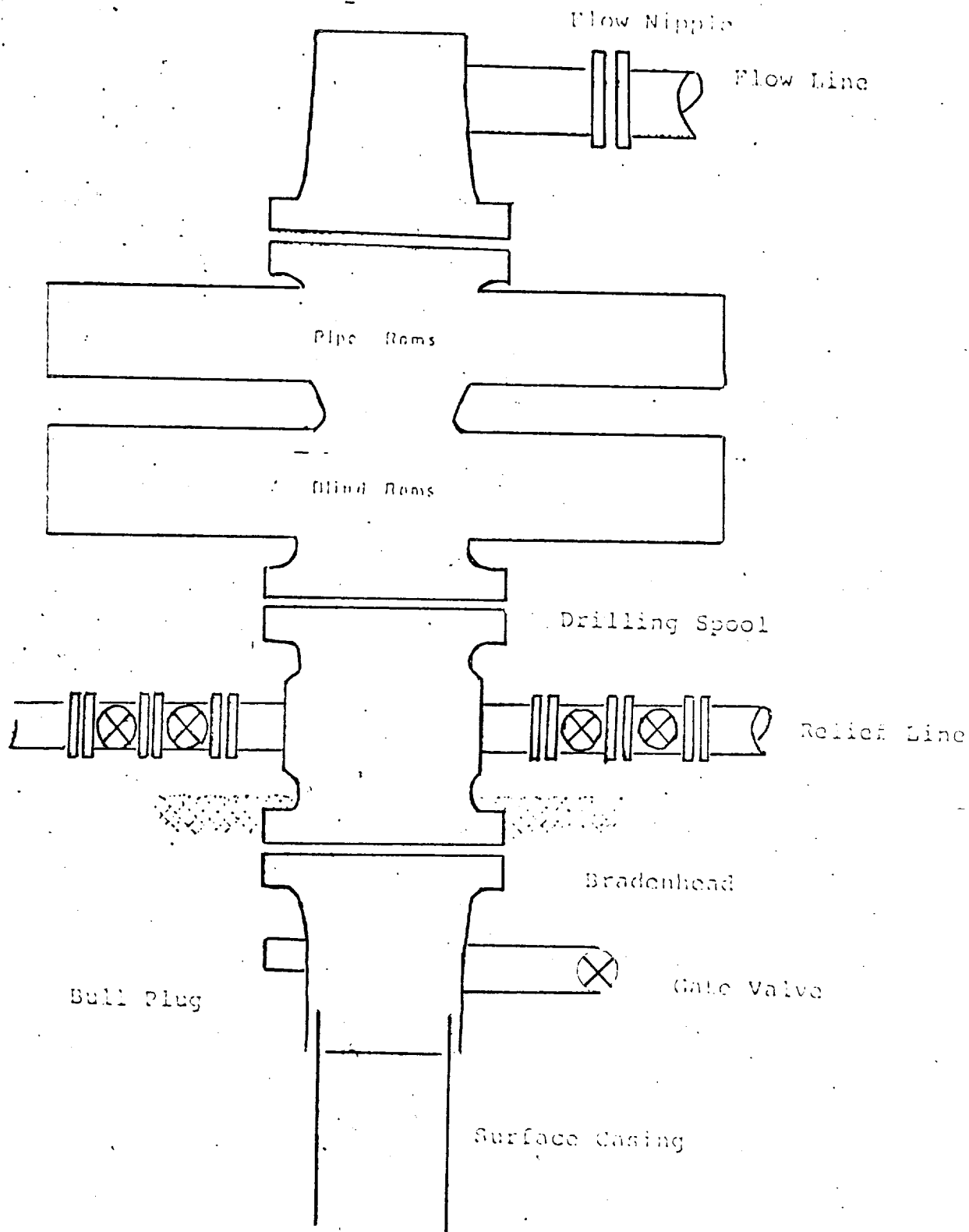
WASHINGTON RANCH STORAGE PROJECT



CONTOUR INTERVAL 25 FEET
DATUM IS MEAN SEA LEVEL



Typical B.O.P. Installation



Series 900 Double Gate BOP, rated
at 3000 psi Working Pressure