

Drawn by DD
Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED &
SUBMIT IN TRIPPLICATE
MAR 28 1984
O. C. D.
ARTESIA, OFFICE

30-015.24826

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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
 WORTH PETROLEUM COMPANY ✓

3. ADDRESS OF OPERATOR
 P. O. BOX 17406, FORT WORTH, TEXAS 76102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 990' FNL AND 330' FEL OF SECTION 27
 At proposed prod. zone: *wt. A*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 16 AIR MILES SOUTH-SOUTHEAST OF MALAGA, NEW MEXICO

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'
 16. NO. OF ACRES IN LEASE 1318.02
 17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'
 19. PROPOSED DEPTH 5200'
 20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 2878.4 GL
 22. APPROX. DATE WORK WILL START* UPON APPROVAL

5. LEASE DESIGNATION AND SERIAL NO. NM-38636
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME AMOCO FEDERAL
 9. WELL NO. 5
 10. FIELD AND POOL, OR WILDCAT UNDES. BRUSHY DRAW DELAWARE
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 27, T. 26 S., R. 29 E.
 12. COUNTY OR PARISH EDDY
 13. STATE NEW MEXICO

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#	450'	SUFFICIENT TO CIRCULATE
7-7/8"	5-1/2"	14#	5200'	SUFFICIENT TO FILL TO BASE SALT

PRODUCING ZONE WILL BE PERFORATED AND STIMULATED AS NECESSARY.



SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA
 BOP SKETCH
 SURFACE USE AND OPERATIONS PLAN
 OPERATOR-LAND OWNER AGREEMENT

*Post APR
 PD-127 BK
 3-29-84*

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 Arthur R. Brown TITLE Agent DATE MARCH 16, 1984
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY 'Orig. Sgd.' Earl R. Cunningham TITLE District Manager
 CONDITIONS OF APPROVAL, IF ANY: _____

MAR 27 1984
 APPROVAL SUBJECT TO
 GENERAL REQUIREMENTS AND
 SPECIAL STIPULATIONS
 ATTACHED

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
Supersedes O-128
Effective 10-85

All distances must be from the outer boundaries of the Section

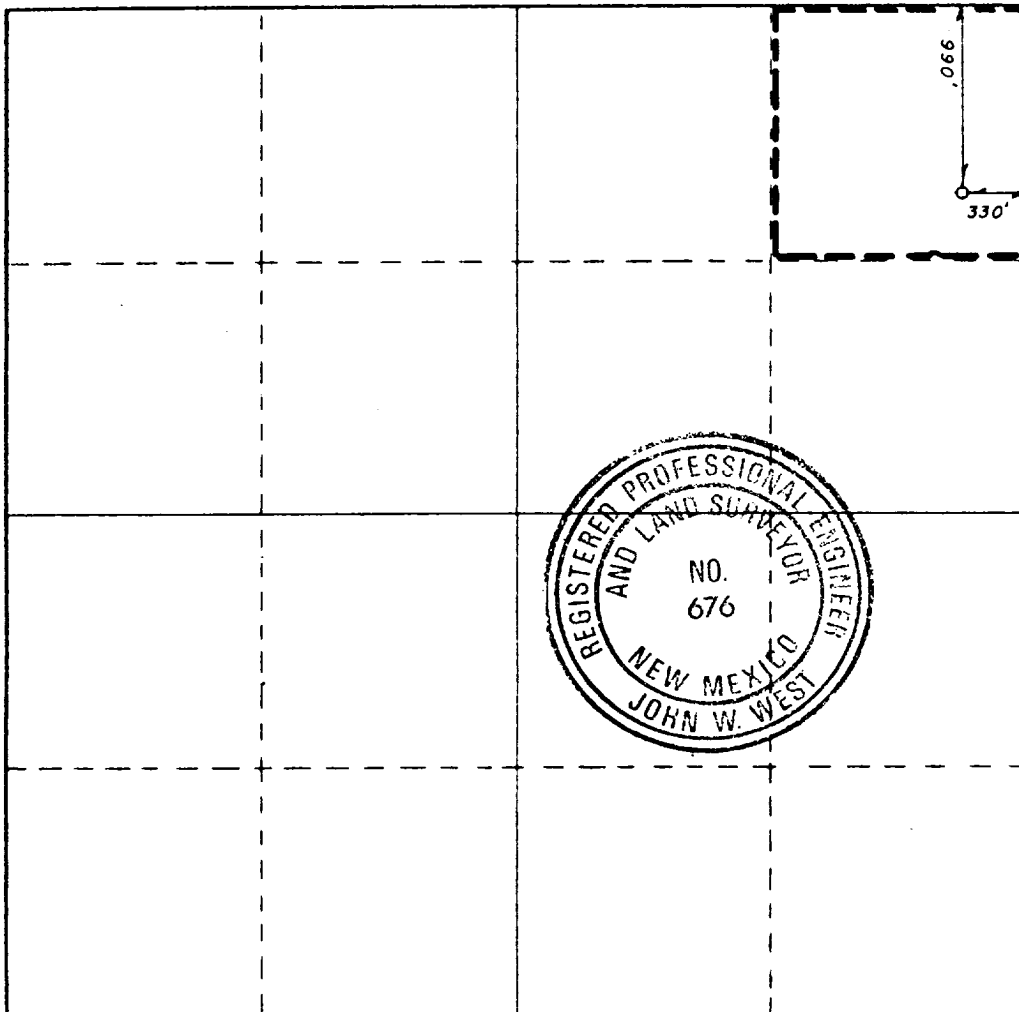
Operator WORTH PETROLEUM CO.		Lease AMOCO FED.		Acres 5
Tract Letter A	Section 27	Township 26S	Range 29E	County EDDY
Actual Footage Location of Well: 990 feet from the NORTH line and 330 feet from the EAST line				
Ground Level Elev. 2878.4	Producing Formation DELAWARE	Pool BRUSHY DRAW DELAWARE	Dedicated Acreage: 40 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.

Arthur R. Brown
Name

Arthur R. Brown

Position

Agent

Company

WORTH PETROLEUM COMPANY

Date

MARCH 15, 1984

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.

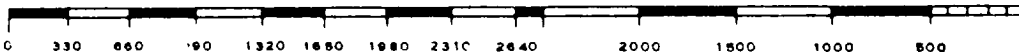
Date Surveyed

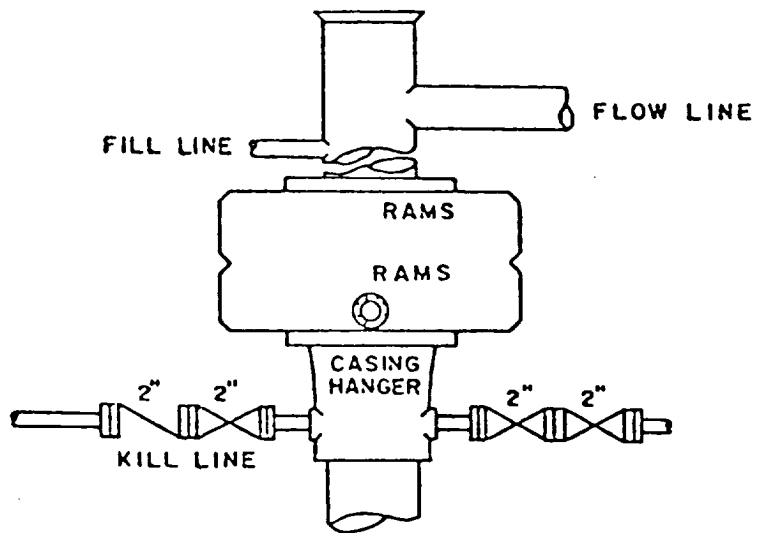
1/17/84

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. JOHN W. WEST, 676

RONALD J. EIDSON, 3239





BOP STACK

3000 PSI WORKING PRESSURE

BOP ARRANGEMENT

SUPPLEMENTAL DRILLING DATA

WORTH PETROLEUM COMPANY

WELL NO.5 AMOCO FEDERAL

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	300'
Base Lower Salt	2700'
Delaware Lime	2880'
Delaware Sand	2912'
Cherry Canyon	3820'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Cherry Canyon Oil

4. PROPOSED CASING AND CEMENTING PROGRAM:

<u>CASING SIZE</u>	<u>SETTING DEPTH</u>		<u>WEIGHT</u>	<u>GRADE</u>	<u>JOINT</u>
	<u>FROM</u>	<u>TO</u>			
8-5/8"	0	450'	24#	K-55	STC
5-1/2"	0	5200'	14#	K-55	STC

8-5/8" casing to be cemented with approximately 250 sacks of Class "C" cement. Cement to circulate.

5-1/2" casing to be cemented with sufficient Light cement, tailed in with 200 sacks of Class "C" cement, to fill back to base of salt.

Equivalent or adequate grades and weights of casing may be substituted at time casing is run, depending on availability.

5. PRESSURE CONTROL EQUIPMENT:

A 3000 psi working pressure, double ram type preventer will be in use while drilling below the surface casing.

A BOP sketch is attached.

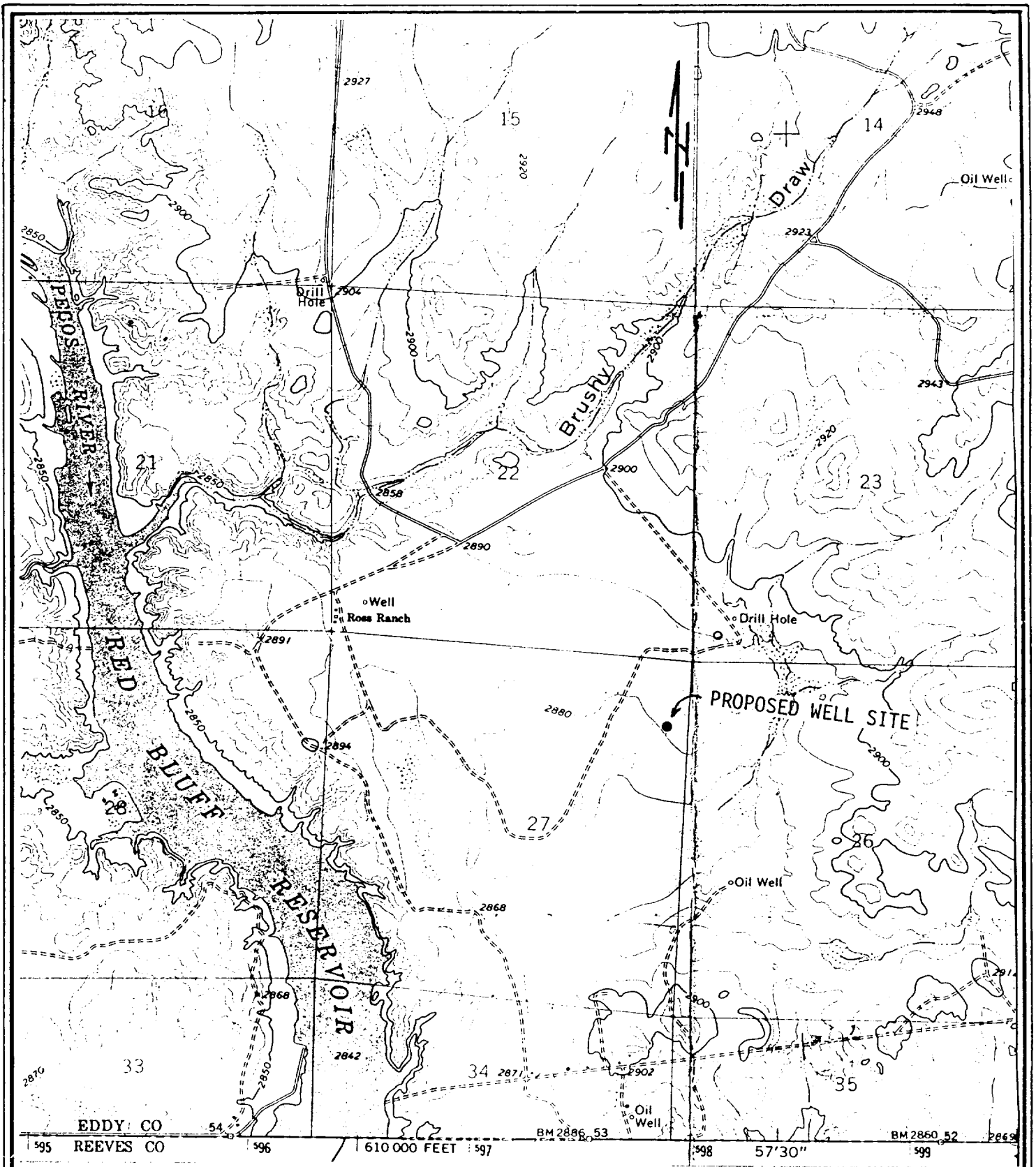


EXHIBIT "D"

WORTH PETROLEUM COMPANY
 WELL NO.5 AMOCO FEDERAL
 990' FNL & 330' FEL SEC.27, T.26 S., R.29 E.
 EDDY COUNTY, N.M.

TOPO PLAT

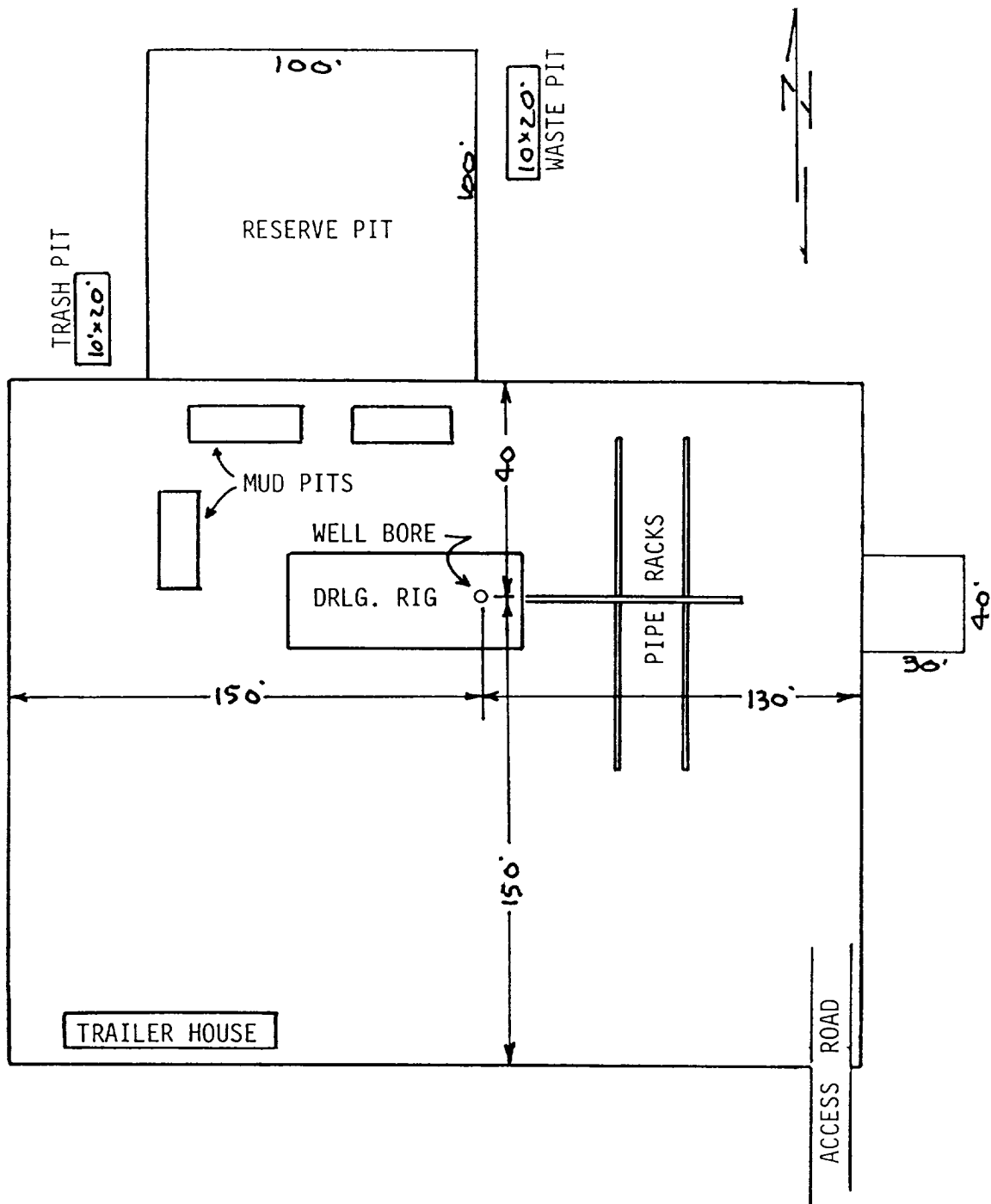


EXHIBIT "C"

WORTH PETROLEUM COMPANY
 WELL NO.5 AMOCO FEDERAL

DRILLING RIG LAYOUT
 SCALE: None