

c/82

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
2310' FNL AND 330' FEL OF SECTION 27
At proposed prod. zone

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
330'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1320'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
2866.1 GR

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

*Posted to P 2
40-1411-1500
8-5-83*

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 for WORTH PETROLEUM COMPANY DATE JULY 15, 1983
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY A. L. Lopez TITLE _____ DATE 7/28/83
CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

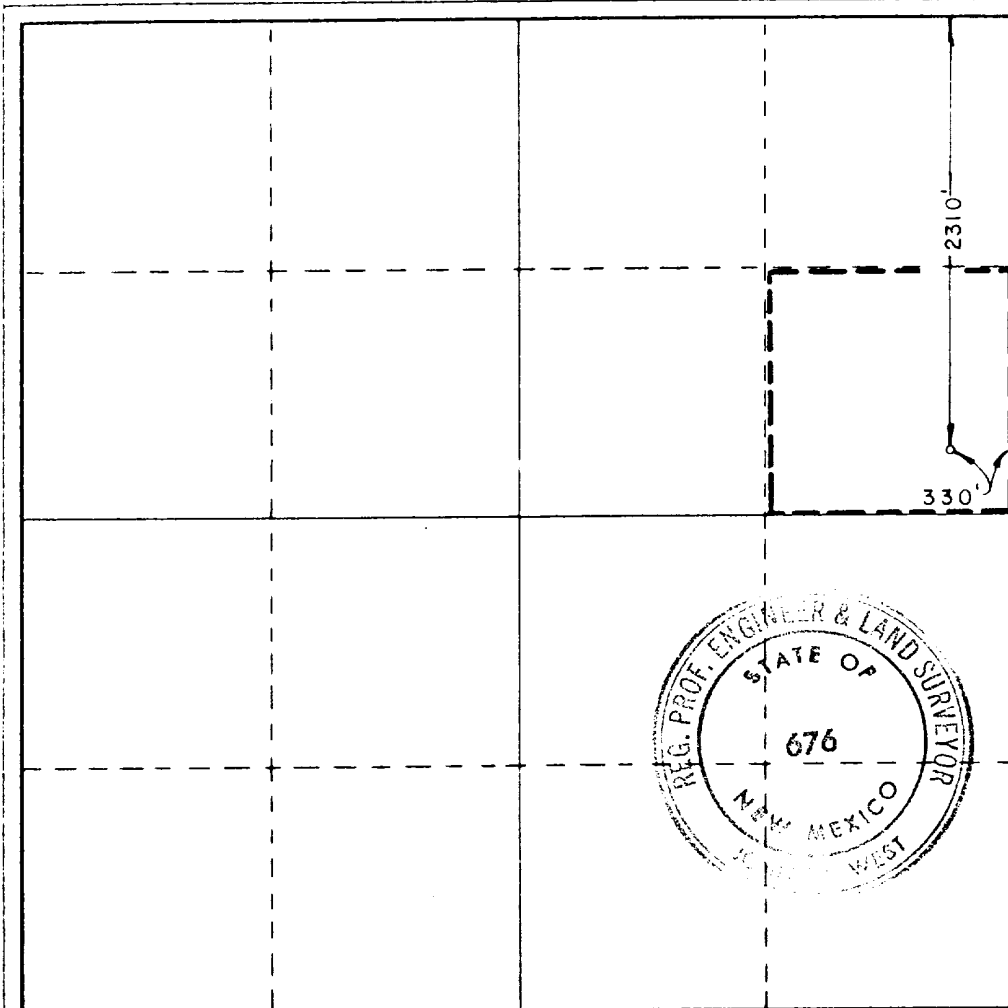
Operator Worth Petroleum Company			Lease Amoco Federal		Well No. 4
Tract Letter H	Section 27	Township 26 South	Range 29 East	County Eddy County	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 2310 feet from the North line and 330 feet from the East line </div>					
Ground Level Elev. 2866.1	Producing Formation CHERRY CANYON	Pool UNDES. BRUSHY DRAW CHERRY CANYON		Dedicated Acreage 40	Acreage

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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.

Arthur R. Brown
Arthur R. Brown

Position

Agent

Company

WORTH PETROLEUM COMPANY

Date

JULY 15, 1983

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.

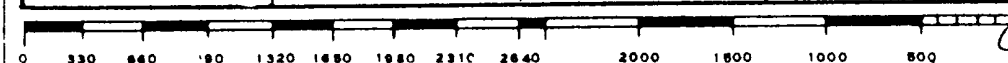
Date Surveyed

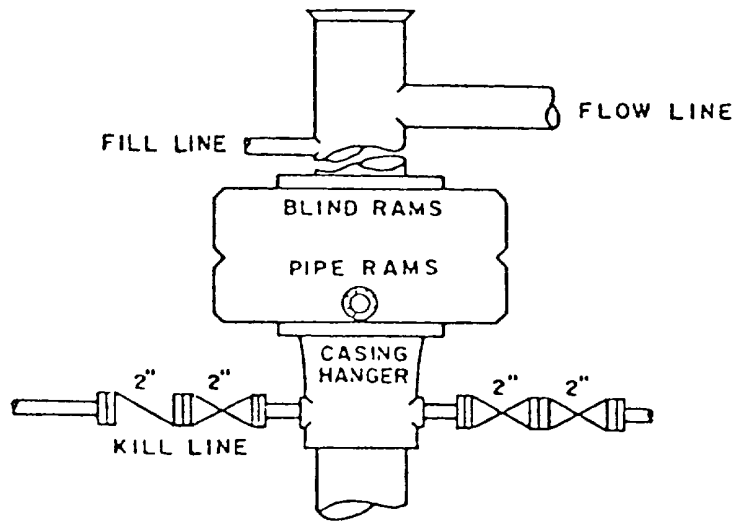
July 6, 1983

Registered Professional Engineer and/or Land Surveyor

Ronald J. Eidson

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239





BOP STACK

3000 PSI WORKING PRESSURE

DEPTH INTERVAL

FROM 8-5/8" CASING SEAT TO TOTAL DEPTH

BOP ARRANGEMENT

SUPPLEMENTAL DRILLING DATA

WORTH PETROLEUM COMPANY

WELL NO.4 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
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4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
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.

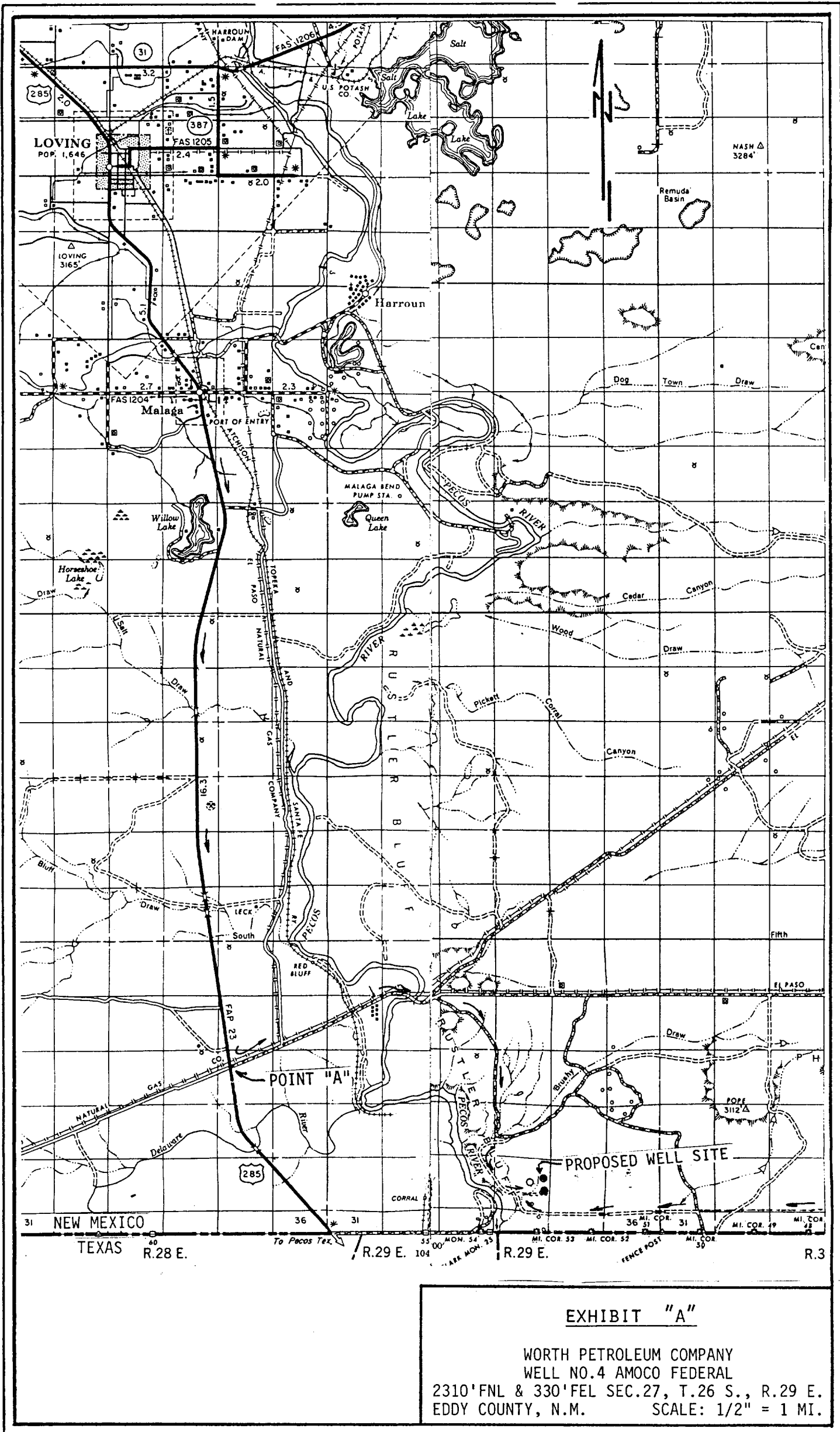
5-1/2" casing to be cemented with sufficient Light cement, tailed in with 200 sacks of Class "C" cement, to fill back to base of salt.

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.



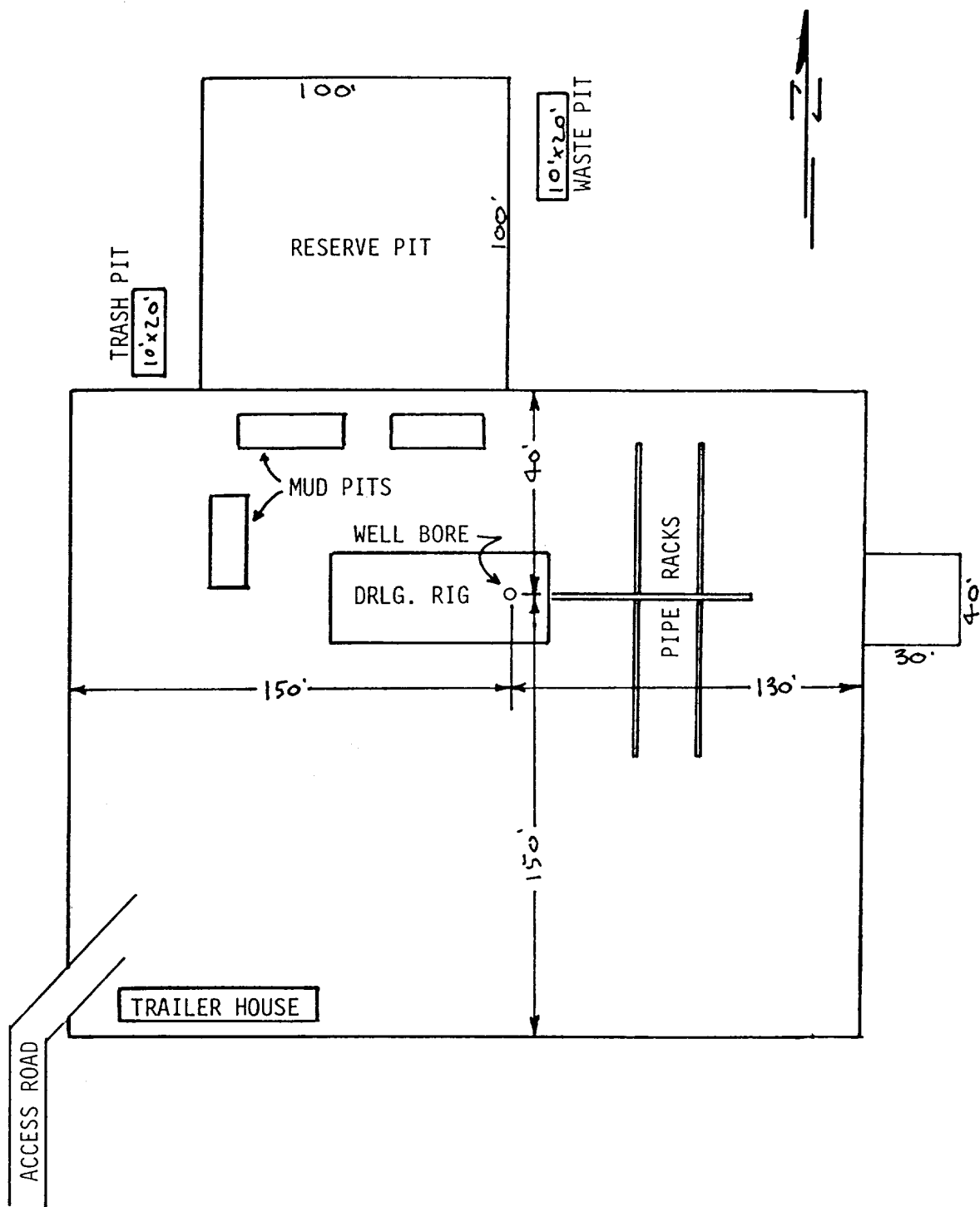


EXHIBIT "C"

WORTH PETROLEUM COMPANY
WELL NO.4 AMOCO FEDERAL

DRILLING RIG LAYOUT
SCALE: None

ARTHUR R. BROWN
101 E. Marland
Hobbs, New Mexico 88240
Office (505) 397-2767
Home (505) 392-5642

PETROLEUM
ENGINEERING & REGULATORY
SERVICES

JAMES A. KNAUF
1501 W. Missouri
Artesia, New Mexico 88210
Phone (505) 746-4138

101 E. Marland, Suite 105
Hobbs, New Mexico 88240

July 11, 1983

Bureau of Land Management
Minerals Section
P. O. Box 1397
Roswell, New Mexico 88201

Gentlemen:

This is to advise that Worth Petroleum Company has contacted J.G. Ross, the surface owner, concerning surface restoration after completion of drilling operations at well No. 4 Amoco Federal, located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 27, T.26 S., R.29 E., Eddy County, New Mexico, lease NM-38636.

Work to be done after completion of drilling operations is as follows:

If the well is completed for production, the well location will be cleaned up, and the drilling pits will be filled as soon as they are dry.

If the well is plugged and abandoned, all pits will be filled and levelled, the location will be cleaned up, and the well pad and access road will be left in place.

Sincerely,



Arthur R. Brown, Agent for
WORTH PETROLEUM COMPANY

ARB/bb