

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 29 1984

5. LEASE DESIGNATION AND SERIAL NO.
NM-11038
6. INDIAN, ALLOTTEE OR TRIBE NAME

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

1750' FSL AND 1650' FWL OF SECTION 23

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)

1650'

16. NO. OF ACRES IN LEASE
1240

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.

19. PROPOSED DEPTH
5200'

20. ROTARY OR CABLE TOOLS
ROTARY

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

2909.2' GL

22. APPROX. DATE WORK WILL START*
UPON APPROVAL

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'	300 SACKS

IF PRODUCTION CASING IS RUN, PAY ZONE WILL BE PERFORATED AND
STIMULATED AS NECESSARY.

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA
BOP SKETCH
SURFACE USE AND OPERATIONS PLAN

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

NOVEMBER 21, 1984

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

11-28-84

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

MEXICO OIL CONSERVATION COMMISSION
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

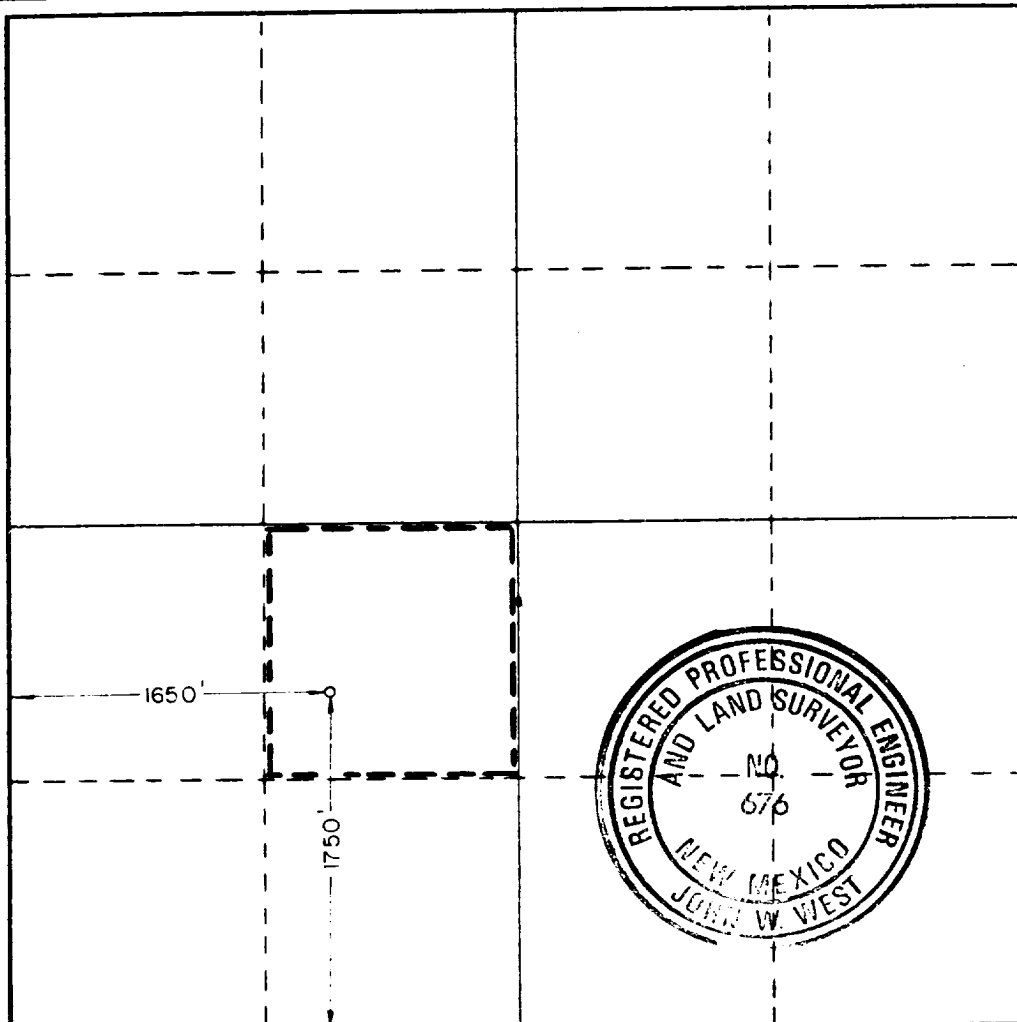
Operator WORTH PETROLEUM CO.			Lease GULF FED		Well No. 3
Unit Letter K	Section 23	Township 26 SOUTH	Range 29 EAST	County EDDY	
Actual Footage Location of Well: 1750 feet from the SOUTH line and 1650 feet from the WEST line					
Ground Level Elev. 2909.2	Producing Formation DELAWARE		Pool UNDES. BRUSHY 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.

Name *Arthur R. Brown*
Arthur R. Brown

Position
Agent

Company
WORTH PETROLEUM COMPANY

Date
NOVEMBER 21, 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.

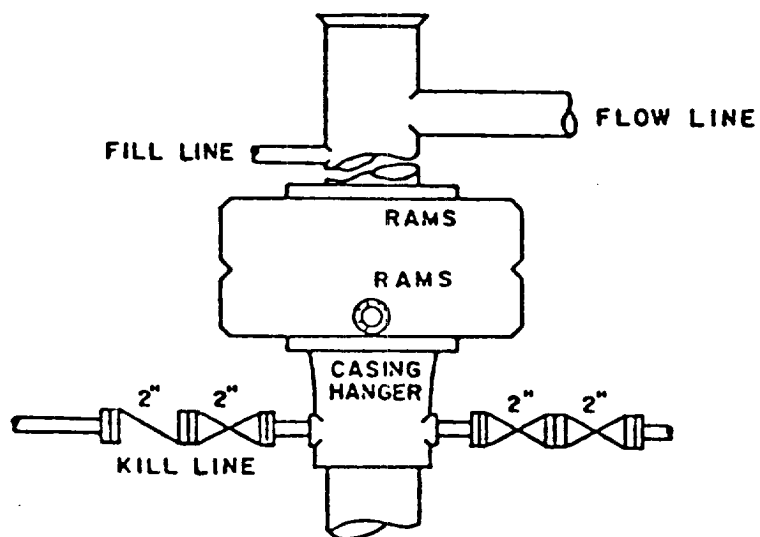
Date Surveyed
NOVEMBER 16, 1984

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. 3 GULF FEDERAL

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	300'
Bell Canyon	2936'
Cherry Canyon	4026'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Cherry Canyon	Oil
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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 will be cemented with approximately 250 sacks of Class "C" cement. Cement to circulate.

5-1/2" casing will be cemented with approximately 300 sacks of cement.

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.

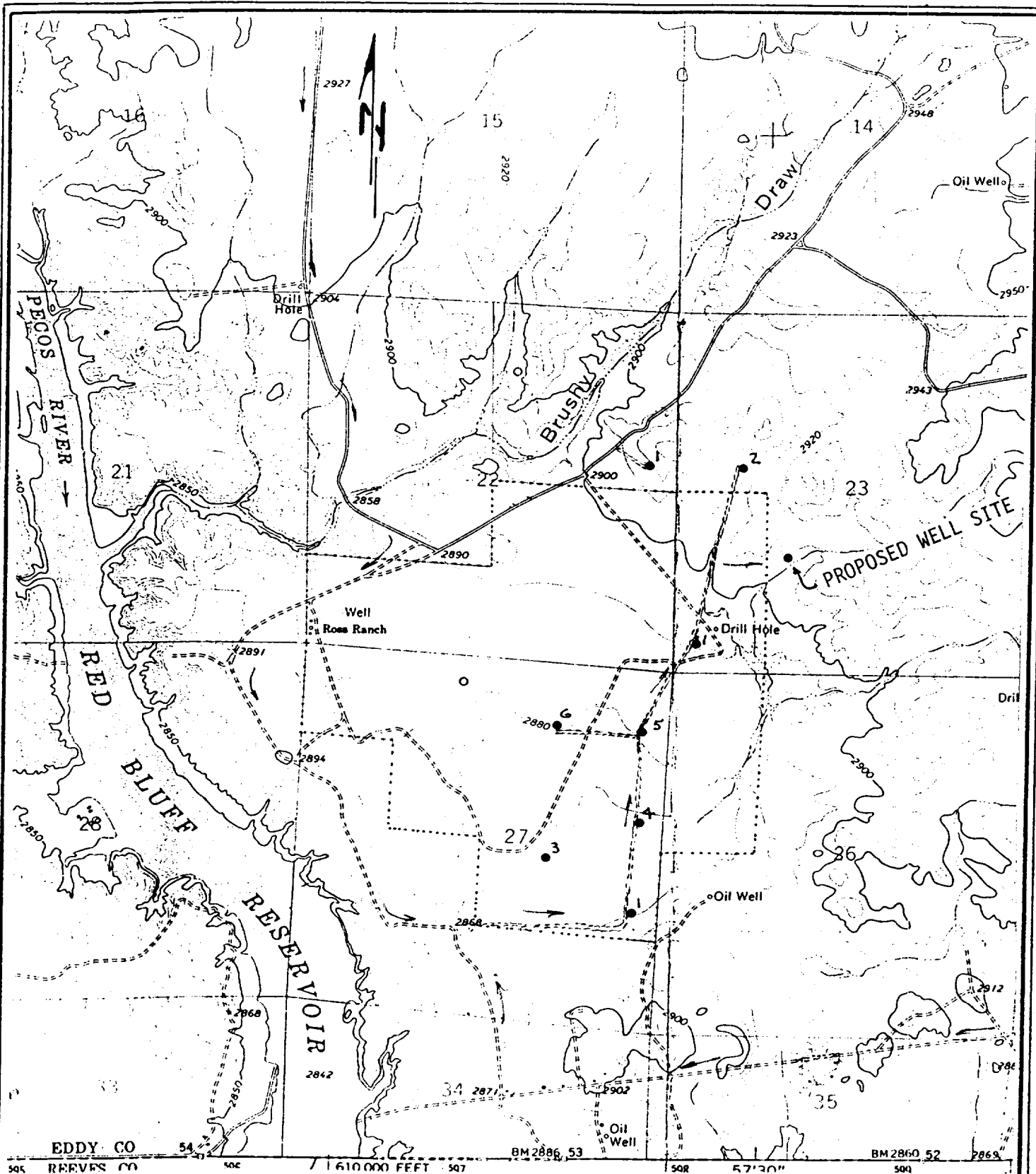


EXHIBIT "D"

WORTH PETROLEUM COMPANY
 WELL NO. 3 GULF FEDERAL
 1750' FSL & 1650' FWL SEC. 23, T. 26 S., R. 29 E.
 EDDY COUNTY, N.M.
 TOPO PLAT

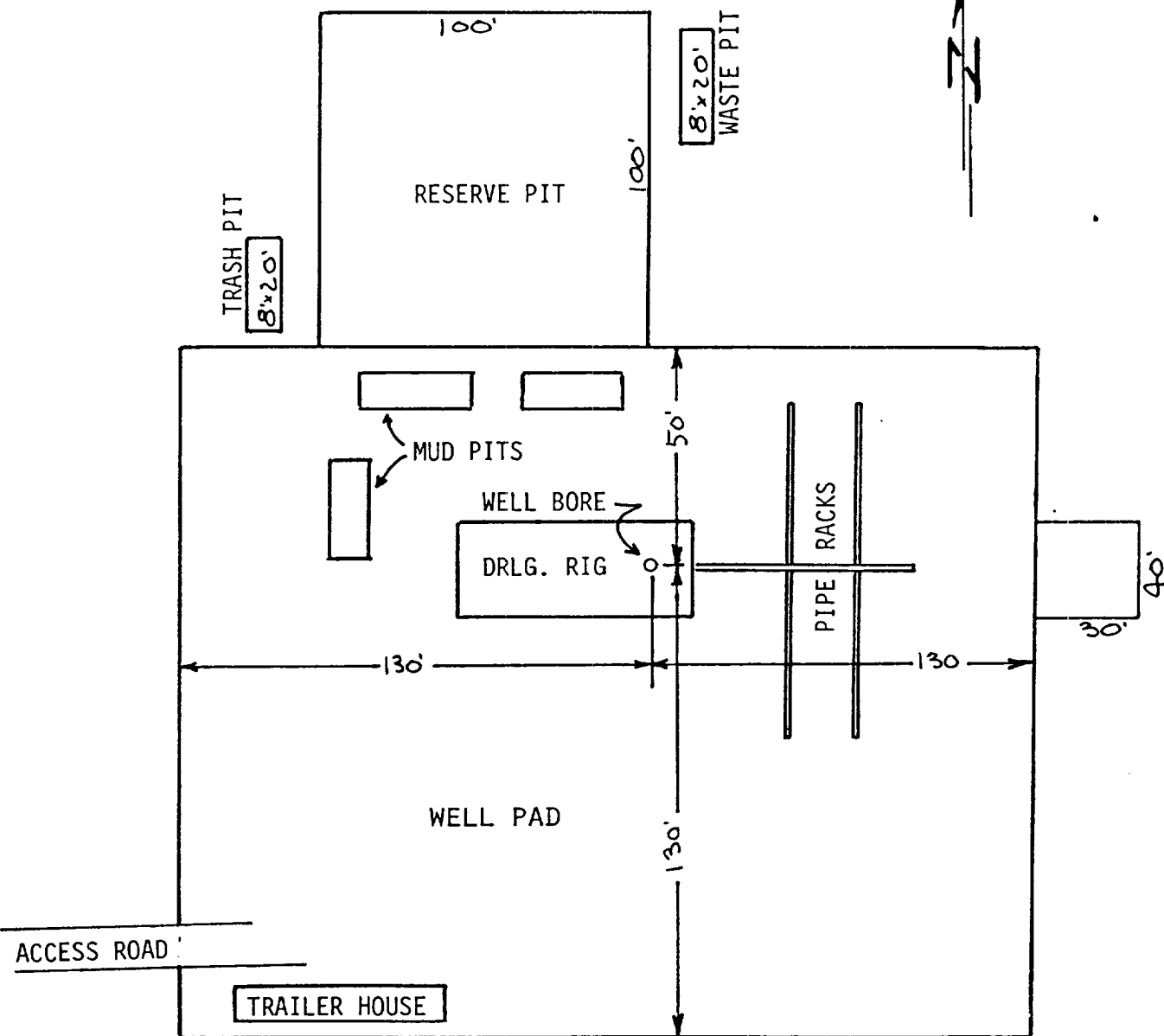


EXHIBIT "C"

WORTH PETROLEUM COMPANY
WELL NO. 3 GULF FEDERAL
DRILLING RIG LAYOUT
SCALE: None