



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
P. O. Box 26124
Albuquerque, New Mexico 87125

Walter W. Krug
dba Wallen Production Company
P.O. Box 1960
Midland, Texas 79702

Dear Mr. Krug:

Your Application for Permit to Drill well No. 1 Wallen Cleary in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 19 S., R. 32 E., Lea County, New Mexico, lease NM 12413, to a depth of 3150 feet to test the Seven Rivers formation in the Oil Potash area is hereby approved, as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the District Engineer, Geological Survey, Hobbs, New Mexico, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

Oil and Gas Supervisor, SRMA

Enclosure

cc: NMOCD, Hobbs (2) (w/2 copies Notice)✓

RECEIVED

DEC 16 1983

NO. 100-100000-100000

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
WASHINGTON, D.C. 20250
FEB 29 1980



WILLIAM H. HARRIS
DIRECTOR, BUREAU OF LAND MANAGEMENT
WASHINGTON, D.C. 20250
FEB 29 1980

TO: DIRECTOR, BUREAU OF LAND MANAGEMENT
FROM: [illegible]
SUBJECT: [illegible]
[illegible text follows, mostly upside down]

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(action return S/W) (2) added [illegible]

RECEIVED
FEB 29 1980
OIL CONSERVATION DIV.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse)

Form Approved
Budget Bureau No. 42-R1425

30-025-26712

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Walter W. Krug DBA Wallen Production Company

3. ADDRESS OF OPERATOR

Box 1960, Midland, Texas 79702

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

At surface

990' F E L and 2310' F S L

At proposed prod. zone

same as above

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

28 miles W SW from Hobbs, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

990'

16. NO. OF ACRES IN LEASE

320

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.

1430'

19. PROPOSED DEPTH

3150'

20. ROTARY OR CABLE TOOLS

cabletool

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

GR 3582'

22. APPROX. DATE WORK WILL START*

11-8-1979

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	13 3/8"	61# K55	225' new	125 sxs CIRCULATE
12 1/2"	10 3/4"	45# K55	550' used	mudded in to be pulled
10"	8 5/8"	32# N80	800' used	
8"	7"	24#, 28#, 25#	3050' new	900 sxs cement w/2% gel 2 1/4#
6 1/4"	4 1/2"	10 1/2# K55	3150'	cello flake/sxs CIRCULATE
			(600' liner)	100 sxs class "c"

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

Walter W. Krug

TITLE

Engineer

DATE

10-30-1979

(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

WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128
Effective 1-4-65

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

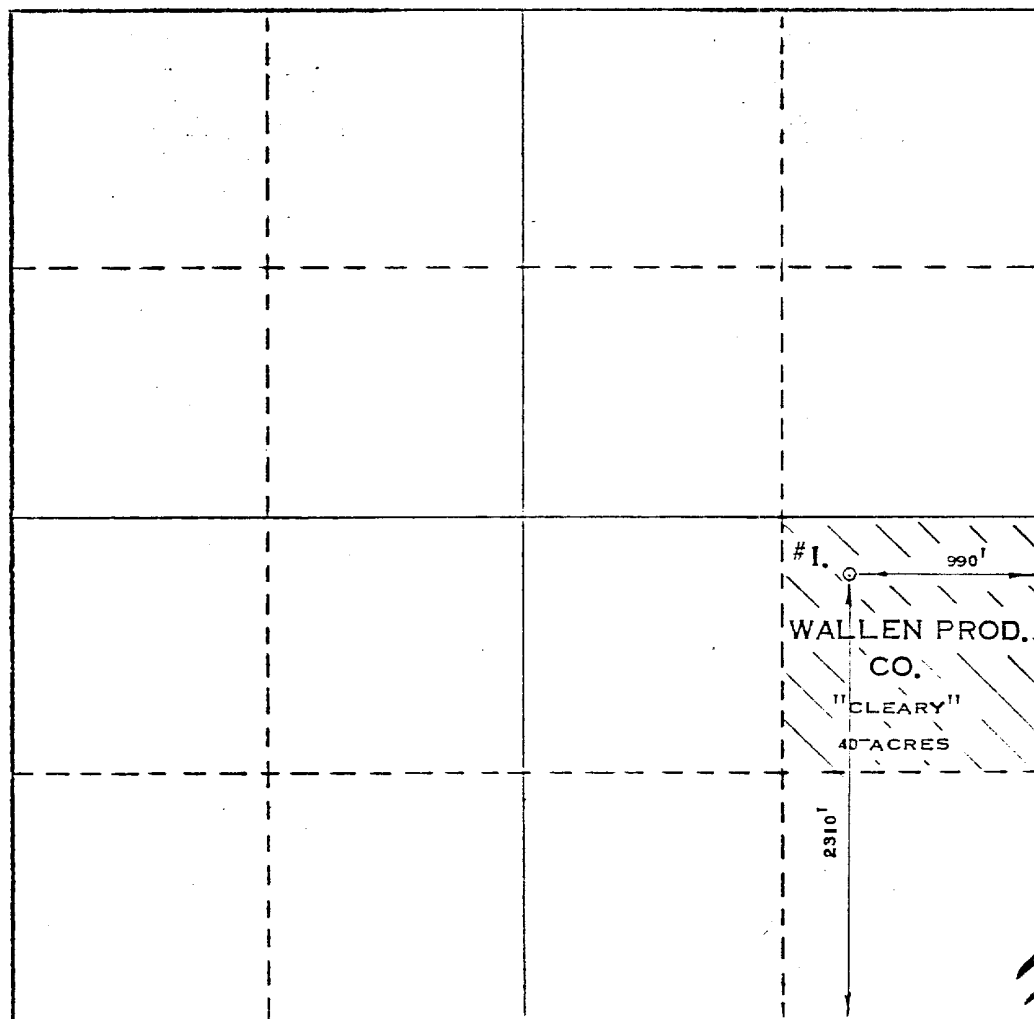
Operator WALLEN PRODUCTION COMPANY		Lease CLEARY		Well No. 1	
Unit Letter 1111	Section 25	Township -19-S	Range -32-E	County LEA	
Actual Footage Location of Well: 2310 feet from the SOUTH line and 990 feet from the EAST line					
Ground Level Elev.	Producing Formation SEVEN RIVERS		Pool TONTO SOUTH	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Walter W. Krug
Name

Walter W. Krug

Position

Engineer

Company

Wallen Production Company

Date

10-30-1979

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

OCTOBER 15, 1979

Registered Professional Engineer
and/or Land Surveyor

Max A. Schumann Jr.
MAX A. SCHUMANN JR.

Certificate No.

1510

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

REQUIREMENTS OF N T L -6

1. Geologic name of the surface where the **Cleary**#1 is located is the Quarternary (Alluvium and sand).
2. The estimated tops of the gologic markers are:
 - A. Rustler (Anhydrite) = 1215'
 - B. Top Salt = 1338'
 - C. Base of Salt = 2720'
 - D. Lime = 2740'
 - E. Yates = 2895'
 - F. Reef (Seven Rivers) = 3115'
3.
 - a. Surface Water = 150'
 - b. Santa Rosa Water = 755'
 - c. Yates Sand Oil = 2895'
 - d. Seven River Reef Oil = 3115'
4. On Form 9-331-C
5. Control equipment is a 1500# W.P. control head with double oil saver (if needed) (this will be a cabletool rig).
6. Drilling fluid is fresh water. (cabletool drilling)
7. Doesn't apply to cabletool
8. Samples will be caught and a Gamma Ray Neutron and CCL will be run.
9. Control head has room for two kill lines if needed.
10. Expect to start drilling **11,879** hope to finish **18,79**

MULTI-POINT SURFACE USE
AND OPERATIONS PLAN

WALLEN PRODUCTION COMPANY

WALLEN Cleary #1 Well
990' FSL and 2310' FSL, Sec 25, T19S-R32E
Lea County, New Mexico
Lease NM 9762AA

This plan submitted with the "Application for Permit to Drill" the above described well. This plan describes the location, the proposed construction and operations plan, the necessary surface disturbance and the proposed rehabilitation after completion of activities.

1. EXISTING ROADS:

- A. Plat "A" is a portion of a USGS topographic map, Lea County, New Mexico, showing existing roads. The location is 21.5 miles west of Arkansas Junction on U.S. 62 & 180, turn right on New Mexico 176 for 4.7 miles, and turn right on New Mexico 31 for 6.2 miles, and turn right for 5.3 miles on an improved lease road, then turn right again for 1.5 miles, turn left for .7 miles and turn right for 1.4 mile to proposed drillsite.
- B. Plat "B" is a land plat with all existing roads in a one (1) mile radius from the proposed well-site and the planned access road.
- C. A portion of the existing, eroded, caliche road from the east section line of section 30 (where the BLM caliche quarry is located) will be repaired and 1420' of new road will be made. We use an 8" deep 12' wide watered and compacted method of road building and repair.

2. PLANNED ACCESS ROAD:

- A. Length and width: The new road will be 1420' long and 12' wide. This road is colored red on Plat "B". This road will be staked and flagged on the center line of the road. Each flag will be visible from the next.
- B. Surfacing Material: Eight (8) inches of compacted, watered and graded caliche will be used.
- C. Maximum Grade: Three (3) percent.
- D. Turnouts: Three passing turnouts every 2000' will be constructed. They are 20' by 30', including road.

- E. Drainage Design: New road will have a drop of 6" from the centerline on each side.
- F. Culverts: None required.
- G. Cuts and Fills: None required.
- H. Gates and Cattleguards: None required.
- 3. LOCATION OF EXISTING WELLS:
 - A. Existing wells within a one-mile radius are shown on Plat "B"
- 4. LOCATION OF PROPOSED FACILITIES:
 - A. Location of the proposed tank battery and flow line from well No. 1 are shown on Plat "C". The proposed flow line will not be buried.
- 5. LOCATION AND TYPE OF WATER SUPPLY:
 - A. Water for drilling will be purchased from Mark Smith (a rancher) or ~~A. A. Oilfield Services~~ *Western Oil Trans.* Hobbs. Water will be trucked over existing roads.
- 6. SOURCE OF CONSTRUCTION MATERIALS:
 - A. Caliche for surfacing roads, pad (well) and repairing roads will be obtained from existing quarries listed and circled in red on Plat "A" and have been located on the ground as actually being there.
- 7. METHOD OF HANDLING WASTE DISPOSAL:
 - A. Drill cuttings will be disposed of in the pit.
 - B. Drilling fluid soaks into the ground and evaporates.
 - C. Produced water will be disposed of in pit. Produced oil goes into rental tanks until sold.
 - D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
 - E. Trash, waste paper, garbage and junk will be buried in the disposal pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
 - F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

- A. None required.

9. WELLSITE LAYOUT:

- A. Plat "D" shows the relative location and dimensions of the well pad, disposal pit, rig, water tank and dead men.
- B. Only minor leveling and shiner scraping will be required.
- C. The pad has been flagged.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operation all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the wellsite as attractive as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment of the well, any special rehabilitation or revegetation requirements of the surface management agency will be complied with and accomplished as soon as possible. All pits should be filled and leveled within 90 days after abandonment.

11. OTHER INFORMATION:

- A. Topography: Land surface is rolling and dune. From an elevation of 3580' at the wellsite, the surface slopes to the south at the rate of 50' per mile.
- B. Soil: The soil is fine sand and clay underlain by caliche.
- C. Flora and Fauna: Vegetation consists of mesquite, yucca, scrub oak and native grasses. Wildlife includes coyote, rabbits, rodents, reptile, dove, quail and antelope.
- D. Ponds and Streams: There are no rivers, streams, fresh water lakes or ponds in the area, however, there is a salt water disposal sink within $2\frac{1}{2}$ miles southeast of the proposed location.
- E. Residences and Other Structures: The nearest occupied dwelling is a ranch house $3\frac{1}{4}$ miles southwest. The nearest water is there also.
- F. Archeological, Historical and Cultural Sites: There are none in the area.

G. Land Use: Grazing and hunting in season.

H. Surface Ownership: Wellsite is on Federal Land including all roads.

12. OPERATOR'S REPRESENTATIVE:

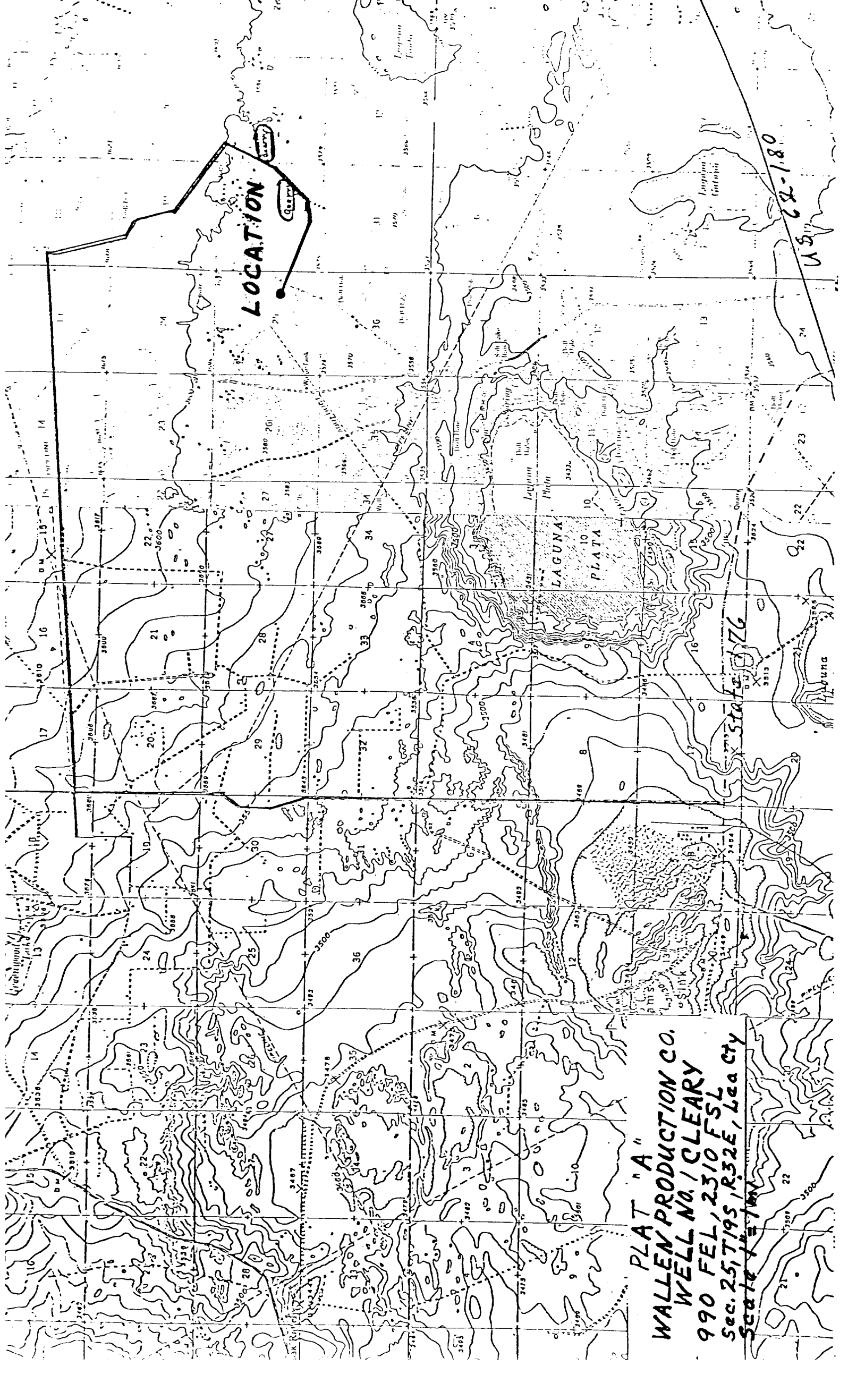
Walter W. Krug
#4 Ridgmar Court
Midland, Texas 79701
Home phone: 563-0048
Office phone: 683-2600

13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with operations proposed herein will be performed by Wallen Production & Drilling Co. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

10/15/79
Date

Walter W. Krug Engr.
Name and Title



LOCATION

PLAT "A"
WALLEN PRODUCTION CO.
WELL NO. 1 CLEARY
990 FEL, 2310 FSL
Sec. 25, T19S, R32E, Lea Cty
Scale 1" = 1 mi

22-180

U.S.

U.S.

U.S.

U.S.

Sr

h Oil
try R.
SS
72(3)
5497
on, 3/4

Sun
HBP

063530

Bass Ent.

5 1-72(3)

025497

Sun, 3/4

14

WEST

W.J. Bol-
kus, Jr.
4-1-81
13422

U.S.

Amoco
(Continental)

01235

13

TONT

"Bendurant"

TD 3394

U.S.

Texas
Amoco
TD 2740

For Amer-
Penn
Disc Hudson
103321

JHC Prod
Amoco

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Amoco D/R
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Sun
11-1-80
12412

23

U.S.

Sun
11-1-80
12412

26

U.S.

Gulf
5-1-78
5496

35

U.S.

Leonard
Boellner
1-3559
D 2738
1/4 3-3-58

164 133146 133146 133146 133146 133146 133146 133146 133146 133146

ch. &
Bass
18P
-5231

PLAT "B"

WALLEN PRODUCTION CO.

WELL NO. 1 CLEARY

990FEL, 2310FSL SEC. 25,

T19S, R32E, LEA CO. N.M.

SCALE: 2 1/2" = 1 MI

H. J. Folse
8-1-78
12115

Amini Oil
8-1-77
2836

So. Union Prod. 1/4
Amini Oil
10-1-80
12413

J&H Prod, etal
077006

U.S. "Big Circle"

So. Union Prod. 1/4
Amini Oil
10-1-80
12413

J&H Prod, etal
HBP
077006

Amini Oil
2-1-82
14790

So. Union Prod. 1/4
Amini Oil
10-1-80
12413

Culbertson, Irwin
Bowman

TD 3117

Union

10-1-81

L-6691

1002

Kitties Serv

H.B.P.

B-1482

36

Getty
H.B.P.
B-1565

Union
10-1-81
L-6691
1002

State

Perry Boss, etal
7-1-71(3) 12353

U.S.

Delbasin
7-1-71(3)
060117

Richardson & Bass
7-1-71(3) 069944

6

SALT

Delbasin 10.B Perry
7-1-71(3) 7-1-71(3)
064728 060117

E1
RO

Hud

H.E

073

K Sup

D/1

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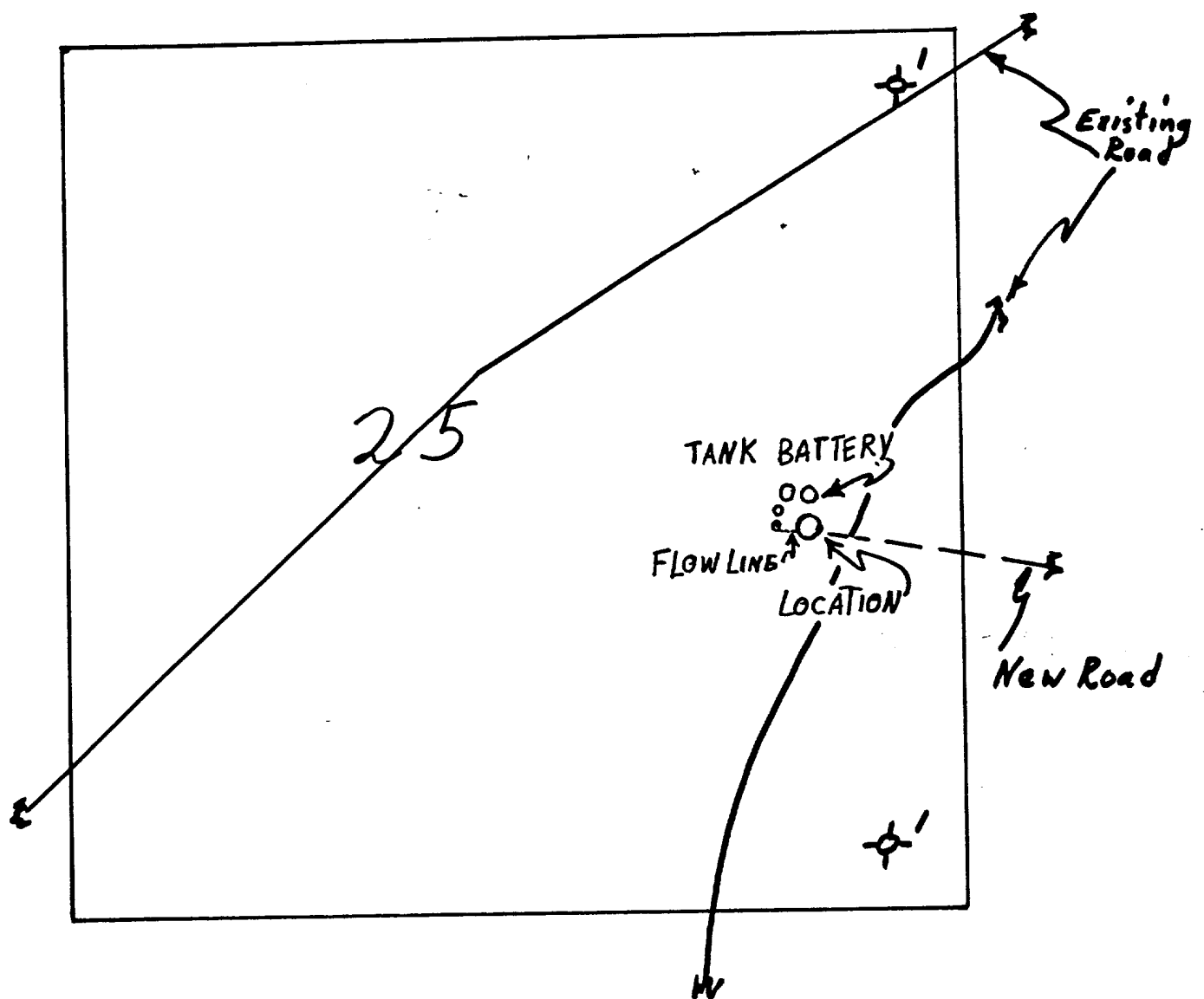
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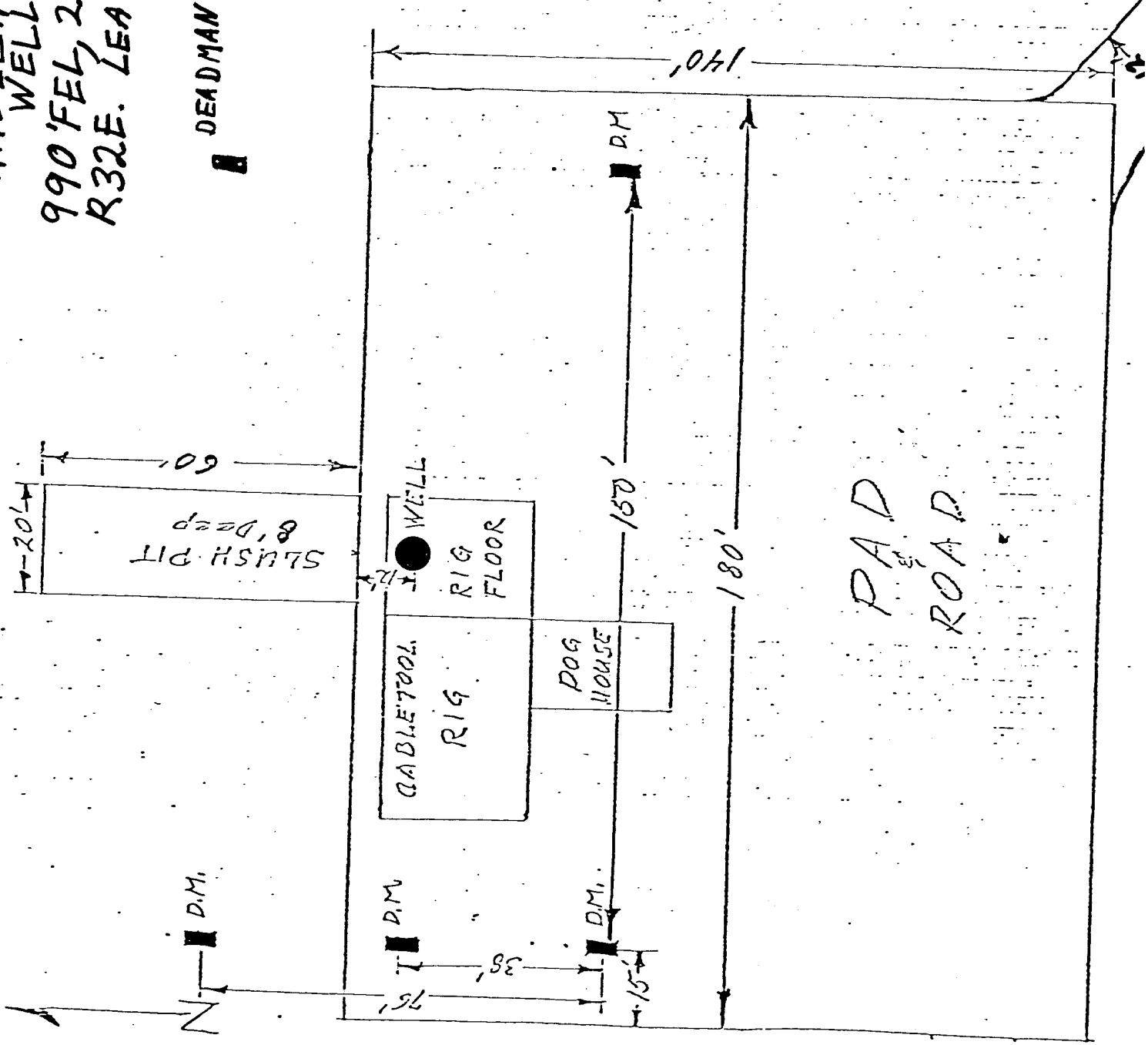
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PLAT "C"
 WALLEN PRODUCTION CO.
 WELL NO. 1 CLEARY
 990 FEL, 2310 FSL, SEC. 25 T19S R32E, LEA CO. N.M.
 SCALE: 1" = 1000'

PLAT "D"
 WALLEN PRODUCTION CO.
 WELL NO. 1 CLEAR
 990' FEL, 2310 FSL, SEC 25, T19S.
 R32E. LEA CTY, N.M. SCALE 1" = 30'



CALICHE PAD ROAD
 8" Mat Compacted
 DEADMAN
 7" Pipe, 6' Long
 6' Deep
 1" = 30'