

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

General American Oil Company of Texas

3. ADDRESS OF OPERATOR

P. O. Box 416, Loco Hills, New Mexico 88255

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

At surface

2615' FSL and 3985' FSL of Sec. 18,

At proposed prod. zone T-17-S, R-30-E, Eddy County, New Mexico

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

2 miles West of Loco Hills

10. DISTANCE FROM PROPOSED*

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

1245'

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

700'

16. NO. OF ACRES IN LEASE

800

19. PROPOSED DEPTH

3600'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3635' GL

22. APPROX. DATE WORK WILL START*

December 1, 1975

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#	480'	100 sacks
7 7/8"	5 1/2"	14#	3600'	350 sacks

We propose to drill this well to 3600' and complete in the Grayburg and San Andres.

All zones indicating porosity will be acidized or fraced.

Mud Program: Water and native mud will be used, and approximately 100' from T. D.

We will mud up to get hole in shape to log.

A 10" 3000# blowout preventer will be used in the drilling of this well.

This unorthodox well will be approved by Administrative Procedure provided
for in NMOC Order No. R-4798

NSL-726

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

Ray Crow

TITLE

District Superintendent

DATE

October 3, 1975

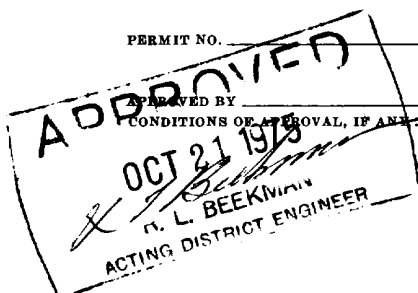
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

RECEIVED

OCT 22 1975

O. C. C.
ARTESIA, OFFICETHIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES JAN 21 1976
*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-102
Supersedes O-128
Effective 1-1-67

All distances must be from the outer boundaries of the Section

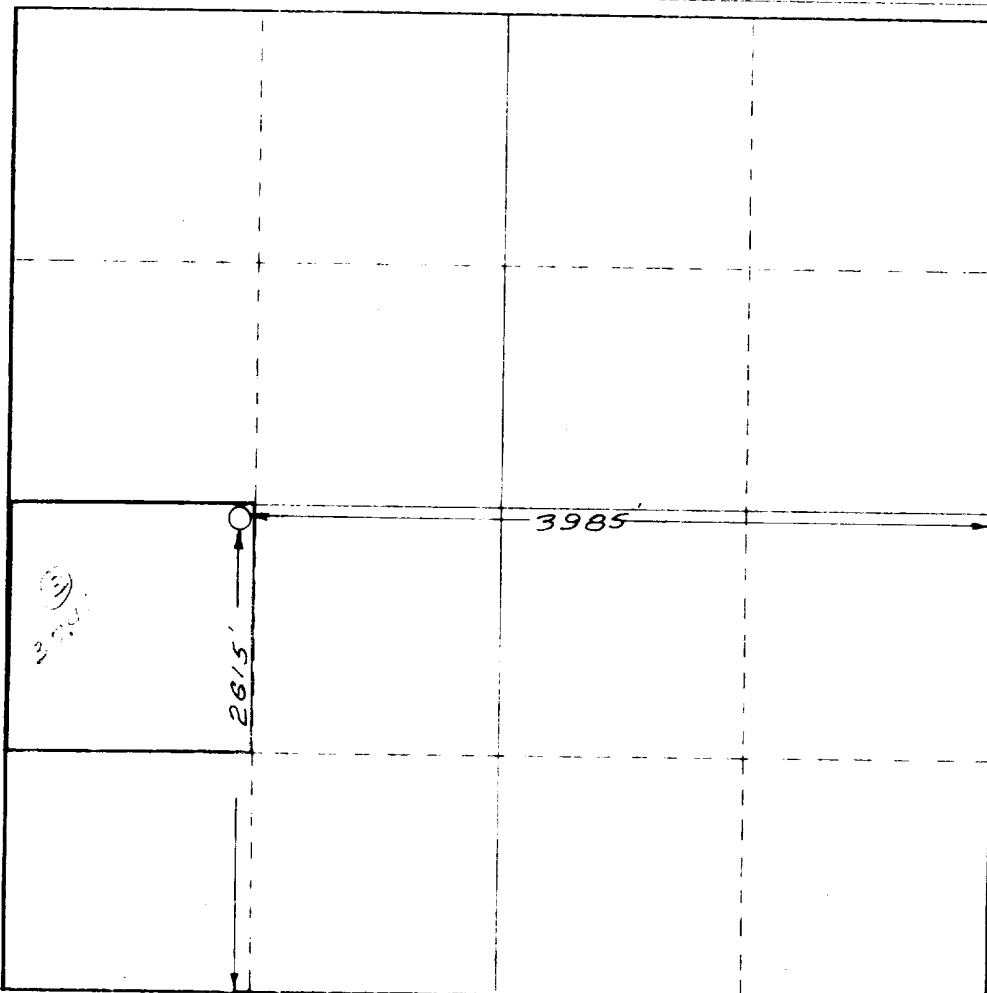
Operator GENERAL AMERICAN OIL COMPANY			Lease Burch B		Well No. 31
Tract Letter L	Section 16	Township 17 South	Range 30 East	County Eddy	
Acreage Dedicated to Well: 2615 feet from the South line and 3985 feet from the East line.					
Recorded Plat Elev. 3635	Underlying Formation Grayburg & San Andres		Underlying Formation Grayburg-Jackson		Nearest Acreage 40 300 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.

Roy Crow
Name
Roy Crow

Position
District Superintendent

Company
General American Oil Co. of Texas

Date
October 3, 1975

RECEIVED
OCT 13 1975
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Date Surveyed
September 15, 1975

Registered Engineer and Land Surveyor
HERSCHEL L. JONES
3640

Certificate No.
3640

SURFACE USE PLAN
GENERAL AMERICAN OIL COMPANY OF TEXAS, WELL: BURCH B-31
LEASE LC 028793 -b, EDDY COUNTY, NEW MEXICO

The subject well is located approximately 24-1/2 miles East of Artesia, New Mexico on the north side of Highway U.S. 82. The following is a discussion of pertinent information concerning possible effect, which the proposed drilling of the well may have on the environment, of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. AERIAL ROAD MAP - Exhibit "A" is a portion of the Artesia Quadrangle Map #106 and Maljamar Quadrangle Map #107 showing well site in relation to U. S. Highway 82. Access road, which is shown on Exhibit "B", exits the highway about 23 1/2 miles East of Artesia, New Mexico.
2. LOCATION OF EXISTING WELLS - The location of existing wells in the immediate area of the proposed well is shown on Exhibit "B".
3. PROPOSED WELL MAT AND IMMEDIATE AREA - Refer to Exhibit "C" for direction orientation and road access.
 - a. MAT SIZE - 140' x 180'.
 - b. SURFACED - Will be topped with 6" of caliche, bladed, watered, and compacted. Caliche to be purchased from B.L.M. by dirt contractor.
 - c. RESERVE PIT - 60' x 70' pit unlined, joining mat to North.
 - d. CUT & FILL - Location is basically flat except for small sand dunes. No fill will be needed except existing sand dunes leveled and topped with caliche.
 - e. DRILL SITE LAYOUT - Exhibit "C" shows the location and layout including position of the Rig, Mud Tanks, Reserve Pits, Pipe Racks, etc. The Rig will be erected with the V-Door to the East.
 - f. SETTING AND ENVIRONMENT
 - (1) Terrain - Low rolling sand hills.
 - (2) Soil - Sandy Soil.
 - (3) Vegetation - Sparse vegetation, being mostly mesquite, shennery, weeds, and other semi-desert plants, with some grass.
 - (4) Surface Use - Grazing.
 - (5) Other - Drillsite - which is in sandy semi-arid desert country, is in a low environmental risk area. The total effect of drilling and producing this and other wells in this area would be very minima.
 - g. DISTANCES TO:
 - (1) Ponds and Streams - There are no surface waters within 1 mile.
 - (2) Water Wells - There are no water wells within 1/2 mile.
 - (3) Residences and Building - There are no residences or buildings within 1/2 mile.
 - (4) Arroyos, Canyons, Hills, etc. - Outside of small sand dunes there are no surface features.
 - h. WELL SIGN - Sign identifying and locating proposed well will be maintained at the drill site commencing with the spudding of the well.
 - i. OPEN PITS - All pits containing mud or other liquids will be guarded.

4. ROADS

- a. EXISTING ROADS - All existing roads within the immediate area of well site are shown on Exhibit "B".
- b. PLANNED ROADS - Planned access road will require less than 100 feet of new road that is 12 feet wide. The road will be surfaced with caliche as well as possibly 1400 feet of presently existing road. The proposed road is colored blue and a suggested route to the location is colored red on Exhibit "B".
- c. FENCES, GATES AND CATTLE GUARDS - Will be maintained as General American already operates several hundred wells in the immediate area.

5. TANK BATTERY - If production is encountered no additional battery will be required as sufficient facilities are already on the lease.

6. LEASE -PIPELINES

- a. EXISTING - All existing pipelines are shown on Exhibit "B".
- b. PLANNED - If production is encountered, flowline will consist of about 500' of 2" PVC line shown in orange on exhibit "B".

7. WASTE DISPOSAL - Barrel trash containers will be in accessible locations within the drill site area during drilling and completion operations. A waste disposal pit will be deep enough to handle waste and will be covered with a minimum of 2 feet of top soil. See Exhibit "C" for pit location. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be disposed of through the currently existing S.W.D. system.

8. WATER SUPPLY - Water supply to drill this well will be furnished through a steel line already laid through the drilling area.

Location of the water line is shown on Exhibit "B".

9. ARCHAEOLOGICAL RESOURCES - None were observed.
10. RESTORATION OF SURFACE - If well is productive, pits will be backfilled and leveled as soon as practical. Upon final abandonment of well, well site will be leveled and cleaned, with land return as near as possible to original condition.
11. OPERATOR'S REPRESENTATIVES - Field personnel who can be contacted concerning compliance of this surface use plan are as follows:

DRILLING AND PRODUCTION

Roy Crow
P. O. Box 416
Loco Hills, New Mexico 88255
Office Phone: 505 677-2481
Home Phone: 505 677-2271

OR
Lendell Hawkins
P. O. Box 416
Loco Hills, New Mexico 88255
Office Phone: 505 677-2481
Home Phone: 505 677-3421

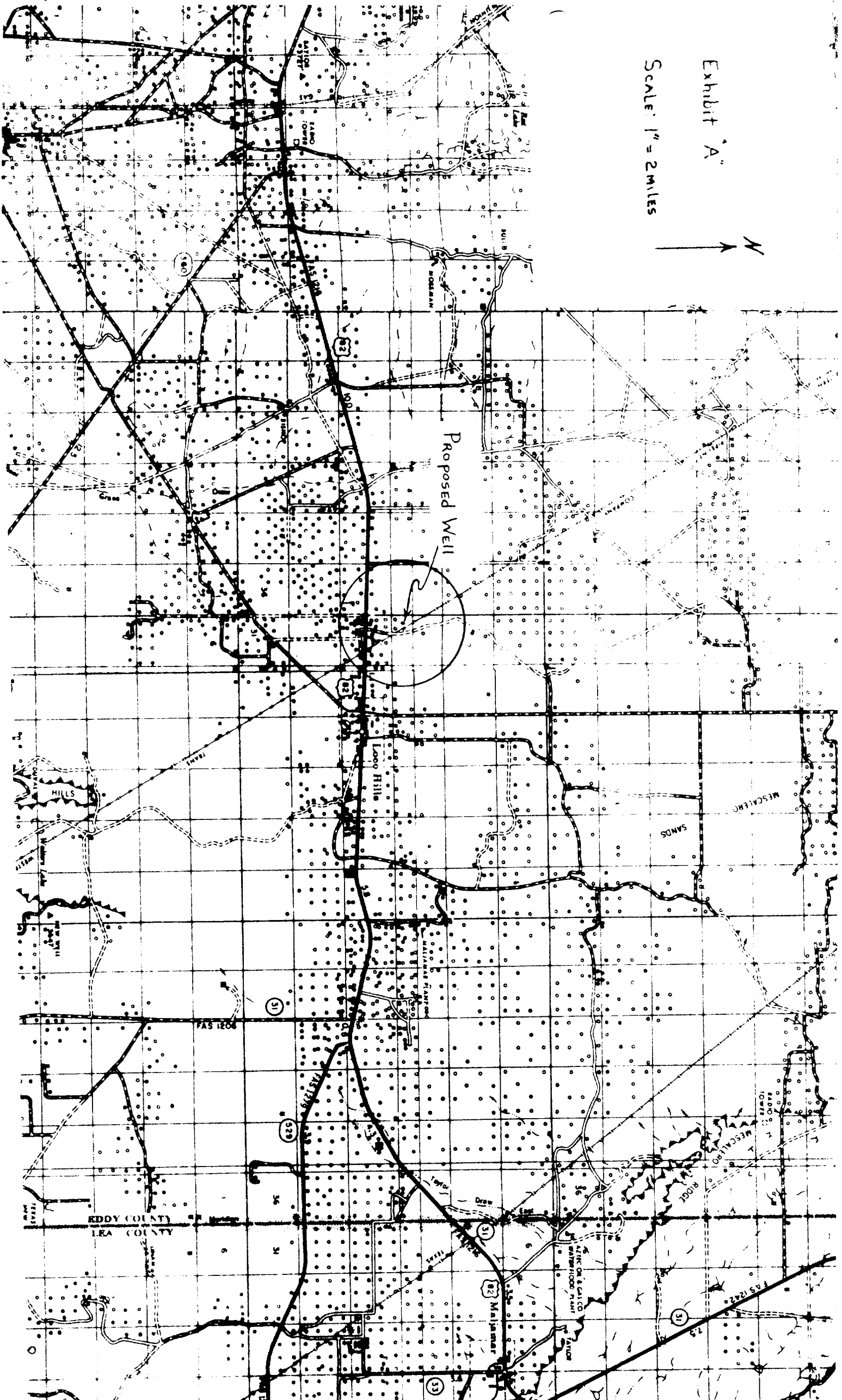
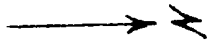
12. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by General American Oil Company and its Contractors and Sub-Contractors will conform to this plan.

10/3/75
DATE

Roy Crow
Roy Crow, District Superintendent

Scale: 1" = 2 miles



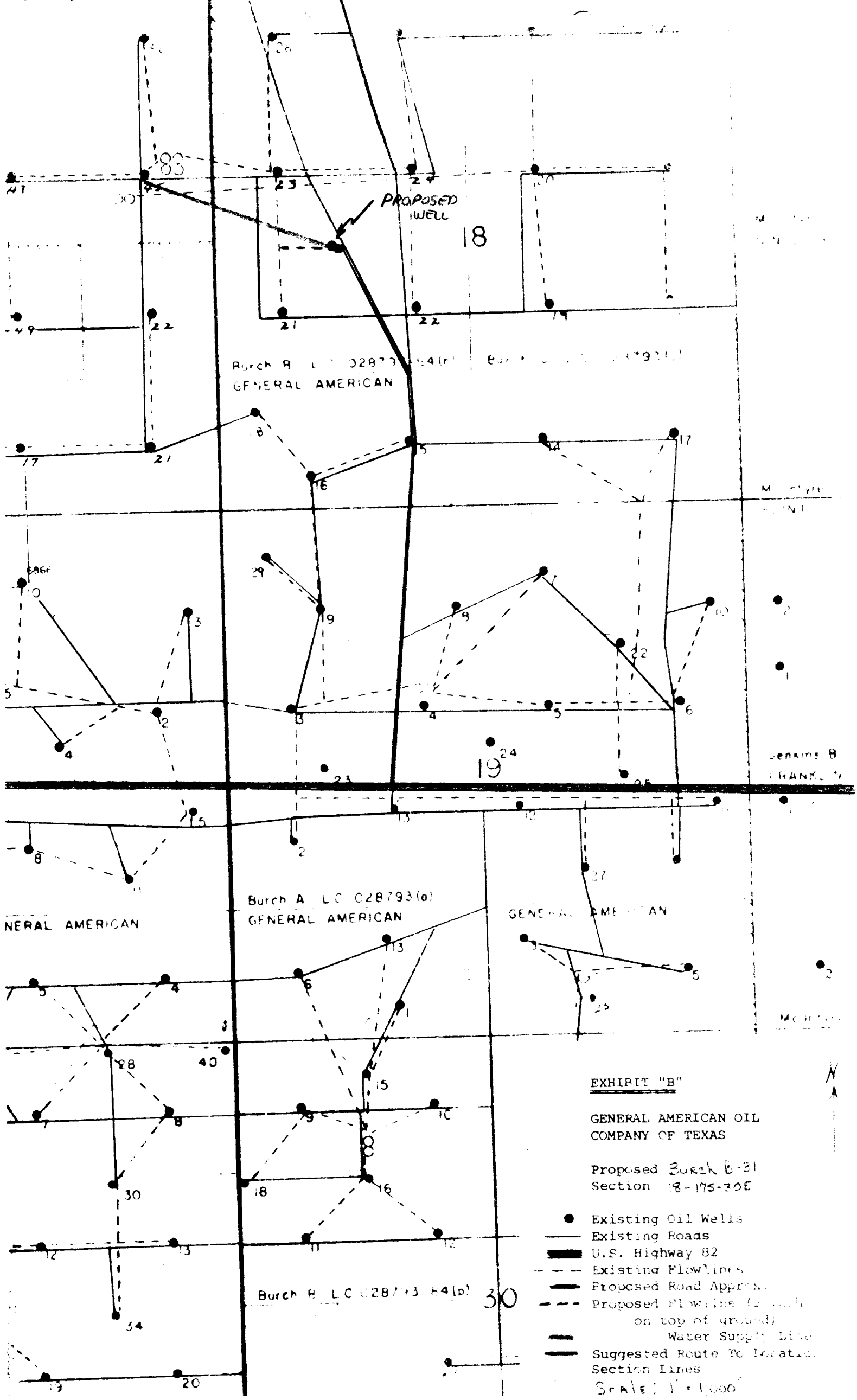


EXHIBIT "B"

**GENERAL AMERICAN OIL
COMPANY OF TEXAS**

**Proposed Burch B-31
Section 18-175-30E**

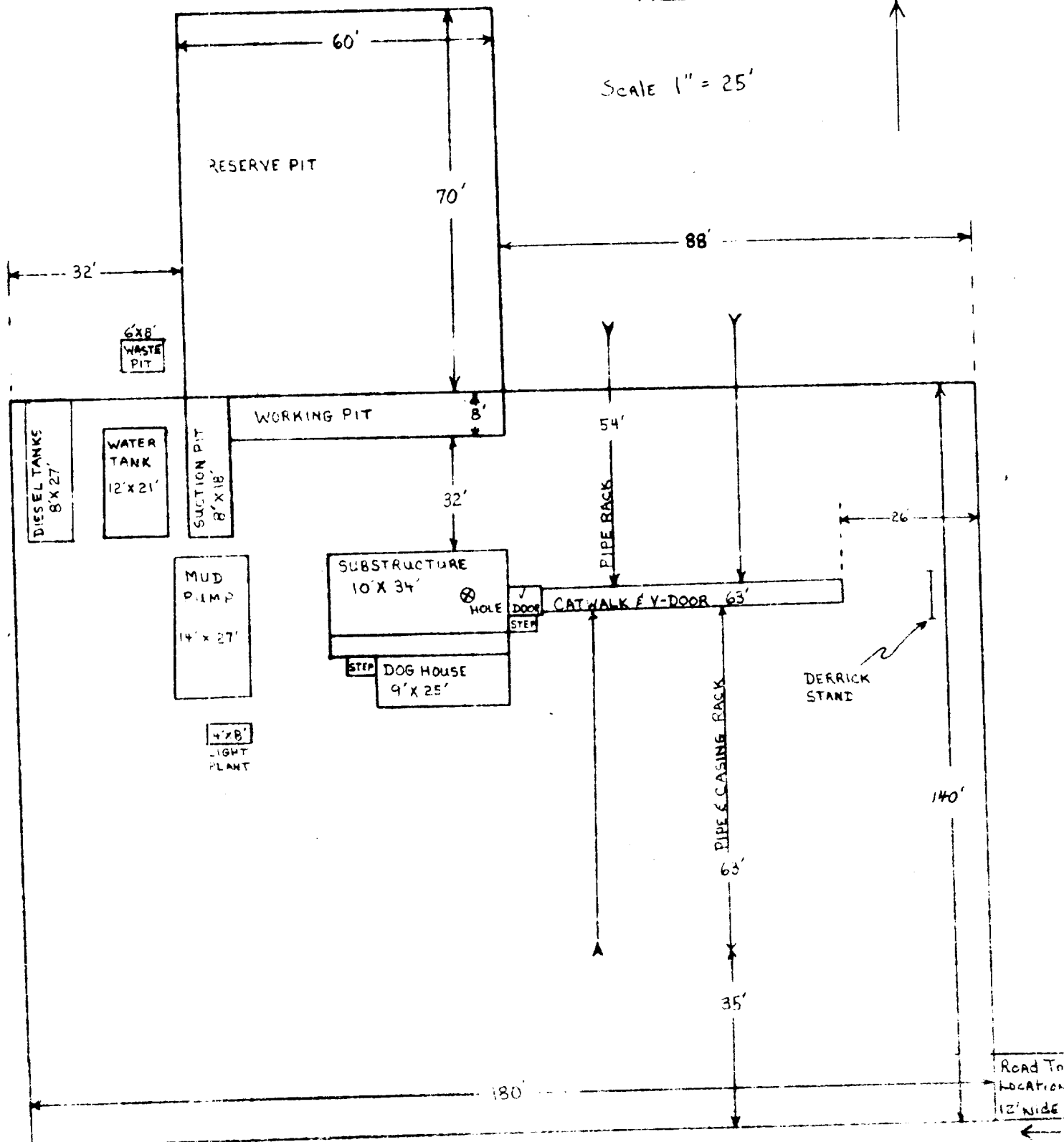
- Existing Oil Wells
- Existing Roads
- U.S. Highway 82
- - - Existing Flowlines
- - - Proposed Road Approx.
- - - Proposed Flowline (2 inch on top of ground)
- Water Supply Line
- Suggested Route To Location
- Section Lines

Scale: 1" = 1000'

Exhibit "C"



SCALE 1" = 25'



RECEIVED

1964

1964

1964

RECEIVED

30-015-21658

1

3-8-76

Sidewall Neutron

Porosity Log

0-3300

BHC Acoustilog

1100-3200