

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-22119

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

Leland A. Hodges, Trustee

3. ADDRESS OF OPERATOR

P. O. Box 3400, Albuquerque, New Mexico 87110

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.)
At surface: 700' FSL & 2200' FSL of Section 4, T. 26 N., R. 20 E.At proposed prod. zone
Same

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

1 mile southwest of White City, New Mexico O.C.C.

15. DISTANCE FROM PROPOSED*

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

380

16. NO. OF ACRES ASSIGNED TO THIS WELL

320.00

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

NA

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 3734

22. APPROX. DATE WORK WILL START*

April 1, 1977

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6 1/2" 11"	8 1/8" used	24	100'	25 sacks standard
	4" used	11.5	1700'	25 sacks standard

Surface Formation: Castile gypsum

Drilling contractor and tools: Pennsylvania Drilling Co. trailer mounted Joy 225
rotary drilling rig with 38" mast and 3" x 8" Gardner Denver mud pumpProposed drilling depth: 1700' to test Delaware Formation. Anticipated formation
tops are Base of Castile-Top of Delaware 1625', Top of Delaware Sand=1675'Pressure control equipment: 9" manually operated Liberson blowout preventer to
be tested in manner and at such intervals as recommended by U.S.C.S.Drilling fluid: Clear water (fresh) with drilling mud and weighting material to
be added as needed.Testing and logging: Propose to drill through Delaware porosity and bail test
unless drill stem test is necessary. Propose gamma ray sonic logs.

Abnormal pressure or temperature or hazard expected: None.

Starting date and duration of operation: Propose to commence about April 1, 1977
with an expected duration of drilling operation of about two weeks.

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

TITLE

Geologist

DATE

March 8, 1977

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APR 12 1977

R. L. KEMM

ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES JUL 12 1977

*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 C-102
Supersedes C-128
Effective 1-1-65

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

Operator Leland A. Hodges, Trustee		Lease Marathon Federal N.M. 13981		Well No. 1	
Unit Letter XXXX K	Section 4	Township 26 S	Range 25 E	County Eddy	
Actual Footage Location of Well: 2200 feet from the West line and 1700 feet from the South line of Section 4					
Ground Level Elev. 3734	Producing Formation Delaware	Pool Wildcat		Dedicated Acreage: 40 Acres	

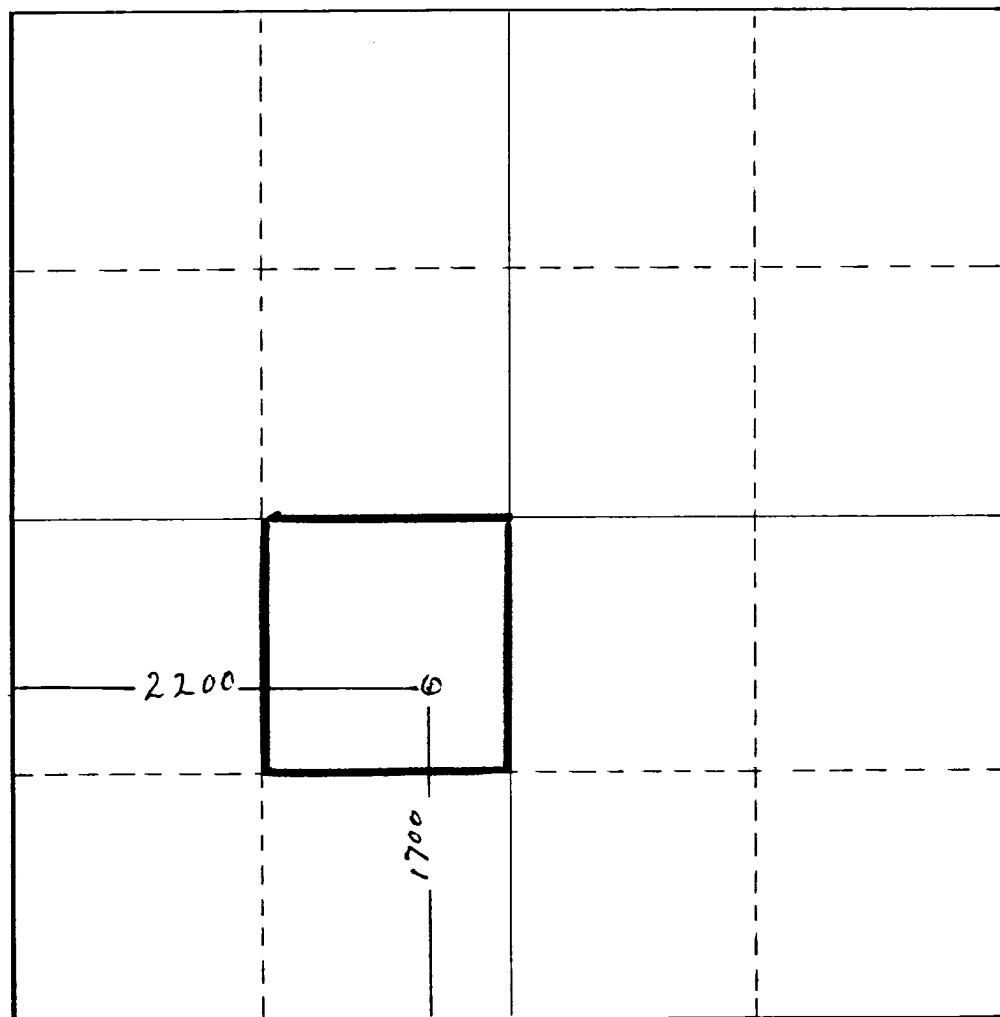
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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.

RECEIVED
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U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name **Ben Donegan**

Position **Geologist**

Company **Leland A. Hodges, Trustee**

Date **March 7, 1977**

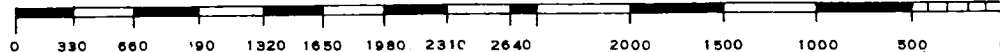
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

March 4, 1977

Date Surveyed
Registered Professional Engineer
and/or Land Surveyor

N. M. 220

Certificate No.



SURFACE USE PLAN

LELAND A. HODGES, TRUSTEE NO. 1 MARATHON FEDERAL
1700' FSL & 2200' FWL, Sec. 4, T. 26 S., R. 25 E.
Lease NM 13981, Eddy County, New Mexico
(Exploratory Well)

RECEIVED

MAR 09 1977

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

1. EXISTING ROADS. A detailed map showing the proposed drillsite location in relation to a town or known point and all existing roads within three miles of the proposed wellsite are shown on Exhibit "A" attached hereto. The proposed route to the vicinity of the drillsite location by use of existing roads is from Whites City, New Mexico southwest 6.6 miles on U.S. 180, thence southeast through a gate on an existing graded road 1.8 miles and thence, 0.8 miles on an existing graded road. From this point 0.3 miles of new road is planned southwest to the proposed drillsite location.
2. PLANNED ROADS. Refer to Exhibit "B" attached hereto for location of fences, gates, and proposed access road. We propose to blade 0.3 miles of new twelve-foot wide road. No culverts or special drainage features are necessary for this road. This proposed new road is colored orange on Exhibit "B". The center line of the proposed road has been marked with red flags each visible from one flag to the next.
3. LOCATION OF EXISTING WELLS. The nearest oil or gas production is in the SE NE $\frac{1}{4}$ of Section 12, T. 26 S., R. 24 E. about 3 miles southwest of the proposed drillsite. Wells drilled and plugged and abandoned within a 2 mile radius of the proposed location are shown on Exhibit "C" attached hereto. No wells are currently being drilled within a 2 mile radius of the proposed location.
4. TANK BATTERIES, PRODUCTION FACILITIES AND LEASE PIPELINES. There are no tank batteries, production facilities or lease pipelines on the lease. If production is encountered, tank battery and production equipment will be located at the south edge of the well mat and fenced. All lease lines are to be constructed on the well mat, on top of the ground. Refer to Exhibit "D".
5. WATER SUPPLY. Water for drilling purposes will be purchased and hauled to the drillsite location over existing roads.
6. CONSTRUCTION MATERIAL. No construction materials will be required for the proposed access road and drillsite location.
7. WATER DISPOSAL. Well cuttings will be disposed in reserve pit. Barrel trash container will be in accessible location within drillsite area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit "D" for location of pits. If well is productive, maintenance waste well be placed in a special trash can and hauled away periodically. Any produced water will be collected in tanks until hauled away to an approved disposal system. No waste water pits will be constructed without prior approval from the U.S.G.S.

SURFACE USE PLAN

Leland A. Hodges, Trustee No. 1 Marathon Federal

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8. ANCILLARY FACILITIES. No camps, airstrips, etc. will be constructed.
9. WELLSITE LAYOUT. Refer to Exhibit "D" for direction orientation, access, and plan of the proposed drillsite location.
 - a. Mat Size. 100' X 100'
 - b. Cut and Fill. Location is level to the extent that no cut and fill will be necessary.
 - c. Surface. Surfacing material will not be necessary for location.
 - d. Reserve Pit. A 35' X 16' reserve pit with a depth of 4' will be located on the north side of the mat.
 - e. Drill Site Layout. Exhibit "D" shows position of mat, reserve pit, burn and trash pit, and mud pit in relation to well bore site. The drill rig will be erected west of the well bore site.
10. RESTORATION OF SURFACE. If well is productive, pits will be backfilled and leveled as soon as practical. All plastic lining and other waste material will be removed or buried with at least 24" of cover. At the time of final abandonment, other U.S.G.S. and B.L.M. restoration stipulations will be complied with.

11. OTHER INFORMATION.

SETTING AND ENVIRONMENT.

TERRAIN. Low rolling gypsum hills. See Exhibits "A" and "B" for topography of area.

SOIL. Gypsiferous soil.

VEGETATION. Sparse vegetation, being mostly grease wood, yucca, and other semi-desert plants with very little grass.

DISTANCE TO NEAREST:

PONDS AND STREAMS. There are no surface waters within 2 miles.

WATER WELLS. There is only one windmill within a 2 mile radius and it is located 2 miles to the southwest.

RESIDENCES AND BUILDINGS. There are no houses or buildings within 2 miles except an abandoned ranch house located 2 miles to the south.

ARROYOS, CANYONS, HILLS, ETC. A three-quarter mile wide valley is located 1 mile south of the proposed drillsite. Other than this valley the area consists mainly of low rolling gypsum hills.

SURFACE USE. Grazing and hunting.

EFFECT ON ENVIRONMENT. The proposed drillsite is in a low environmental risk area of rolling semi-arid desert country. The total effect of drilling and producing this and other wells in this area would be minimal.

SURFACE OWNERSHIP. The proposed drillsite is on federal surface with a grazing permit issued by the B.L.M. to William D. Colwell. All new and reconstructed roads are also on federal surface.

SURFACE USE PLAN

Leland A. Hodges, Trustee No. 1 Marathon Federal

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OPEN PITS. All unattended pits containing mud or other liquids will be fenced.

WELL SIGN. A sign identifying and locating well will be maintained at the drillsite commencing with the spudding of the well.

12. OPERATOR'S REPRESENTATIVES. Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Ben Donegan
3202 Candelaria N.E.
Albuquerque, New Mexico 87107
Office phone: (505) 345-5553
Home phone: (505) 883-0950

Ron Geitgey
3202 Candelaria N.E.
Albuquerque, New Mexico 87107
Office phone: (505) 345-5553
Motel phone: (505) 887-2851

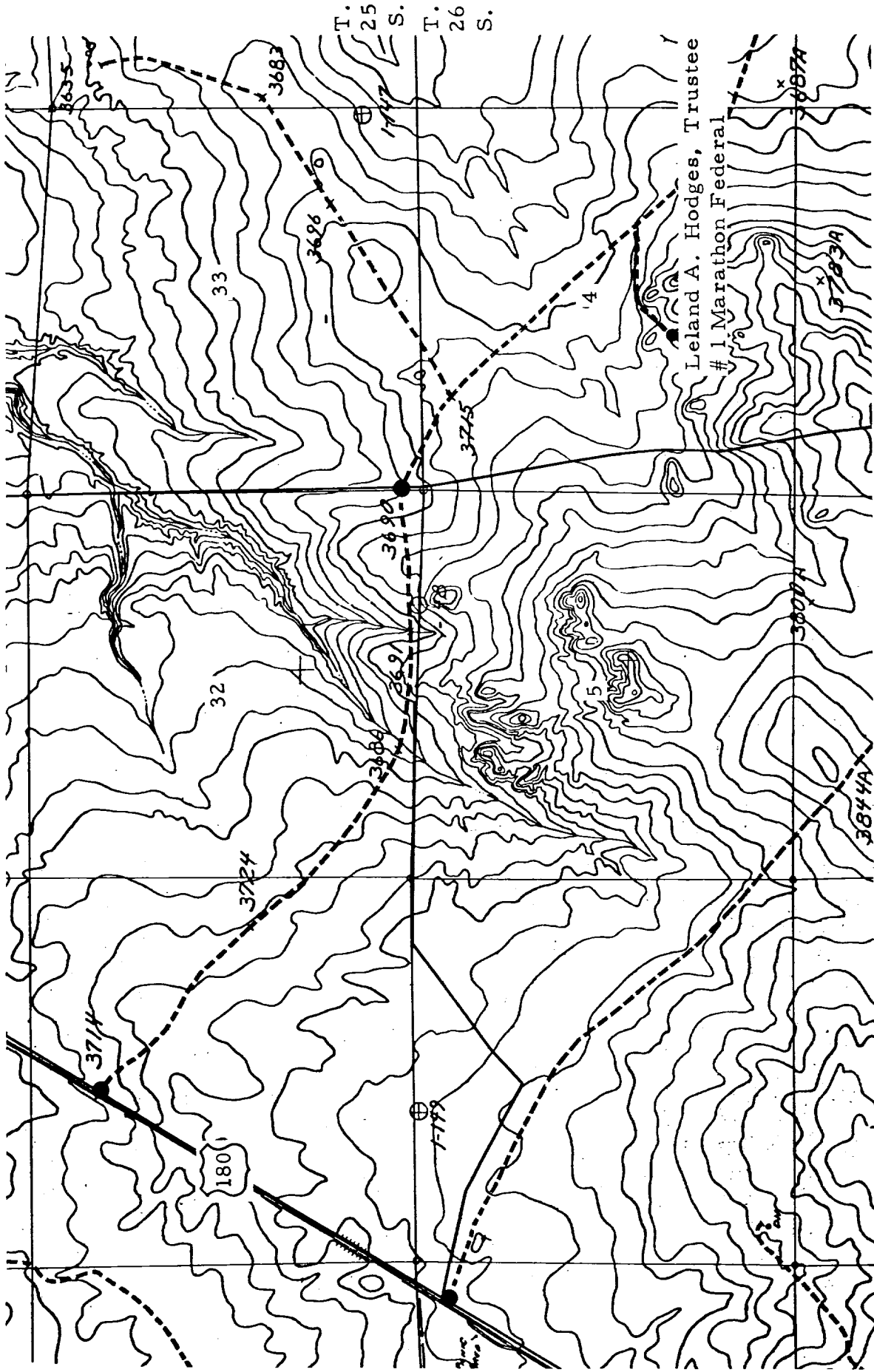
13. CERTIFICATION.

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 the operations proposed herein will be performed by Leland A. Hodges, Trustee and his contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. A copy of this plan will be posted at the wellsite during the drilling of the well for reference by all contractors and subcontractors.

March 7, 1977

Date

Ben Donegan, Geologist



R. 25 E.

EXHIBIT "B"

SURFACE USE PLAN

LELAND A. HODGES, TRUSTEE

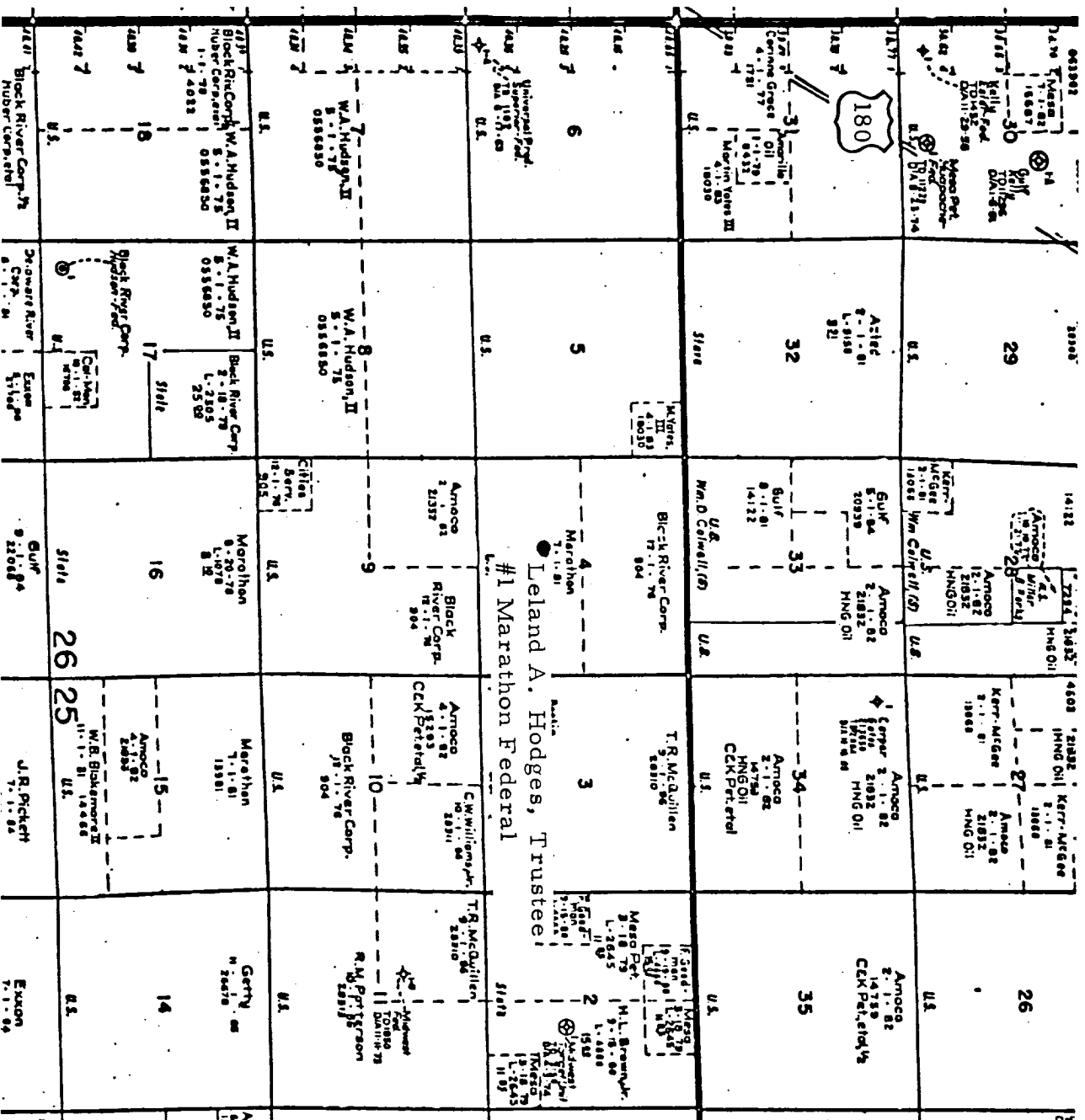
No. 1 Marathon Federal

1700/S 2200/W, Sec. 4, 26 S., 25 E.

Scale : 1" = 2000'

- = proposed new road
- = access route
- = fence
- = gate
- = proposed drillsite

R. 25 E.



T. 26 S.
 T. 25 S.
 T. 24 S.

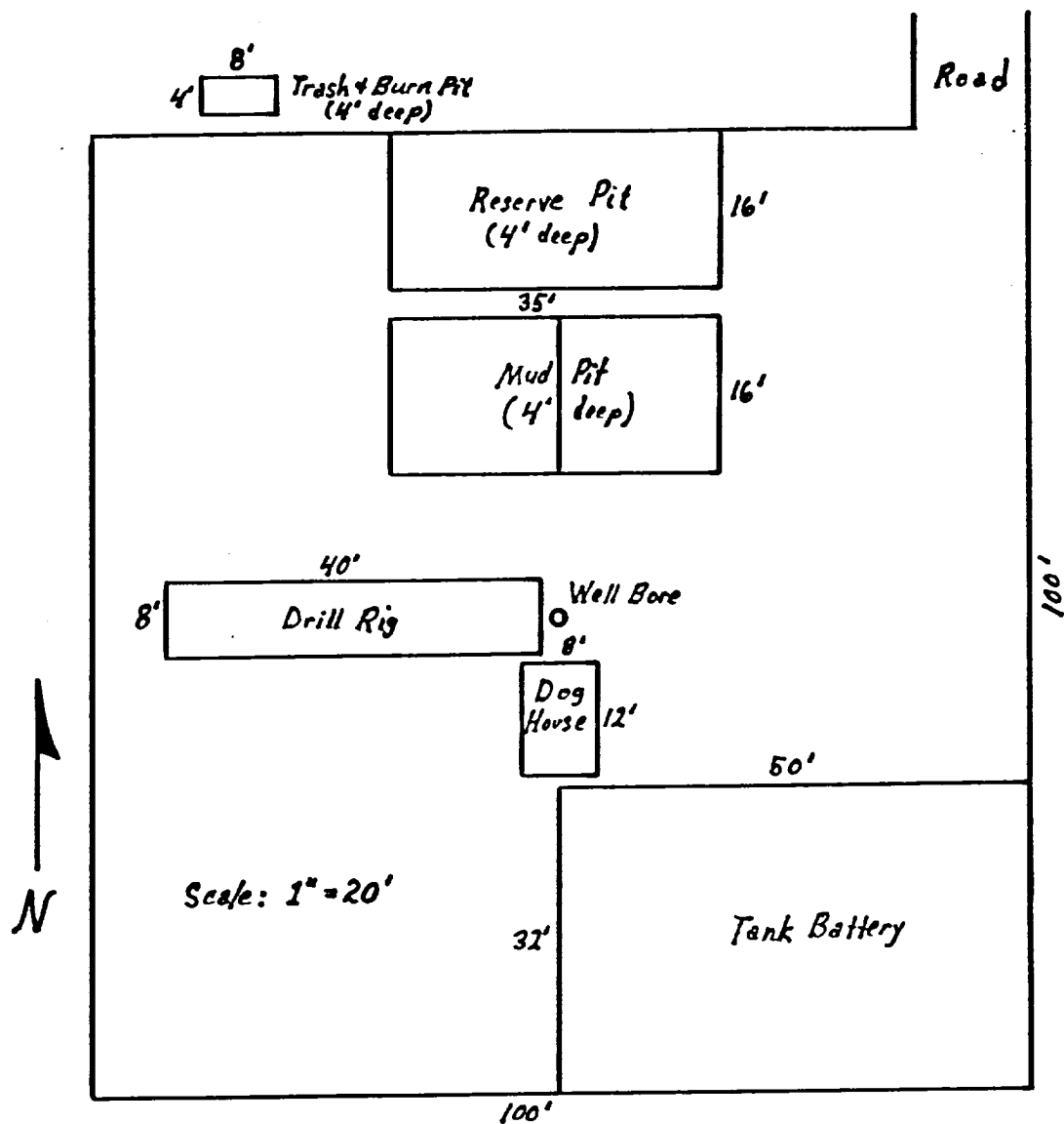


EXHIBIT "D"
SURFACE USE PLAN
 LELAND A. HODGES, TRUSTEE
 No. 1 Marathon Federal
 1700/S 2200/W, Sec. 4, 26 S., 25 E.