

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

The Superior Oil Company

## 3. ADDRESS OF OPERATOR

P. O. Box 1900, Midland, Texas 79701

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

At surface

1700' FSL &amp; 2300' FWL, Sec. 23, T18S, R32E

At proposed prod. zone

Same as above

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

10 miles south of Maljamar

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. line, if any) 340'

## 16. NO. OF ACRES IN LEASE

40

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 19. PROPOSED DEPTH

4800'

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

GR: 3776'

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	400'	250 <b>CIRCULATE</b>
7-7/8"	5-1/2"	15.5#	4,800'	350

The above well will be drilled in accordance with safe practices known to industry using blowout preventers for proper well control. The above casing program will be used except that 5-1/2" casing will be run only if zones are determined to be commercial.

Blowout preventers will be used after setting 8-5/8" casing and until total depth is reached. This preventer equipment will be checked at regular intervals during operations to insure proper working of equipment.

TRASH AND JUNK SHOULD BE  
BURIED IN A SEPARATE TRASH PIT.

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 T. D. Clay T. D. Clay TITLE Petroleum Engineer DATE 9-5-74

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**APPROVED**  
SEP 16 1974  
ARTHUR R. BROWN  
DISTRICT ENGINEER

\*See Instructions On Reverse Side

RECEIVED

SEP 17 1974

GIL CONSERVATION COMM.  
HOBBS, N. M.

NEW MEXICO CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 1-74  
Supersedes C-228  
Effective 1-1-75

All distances must be from the outer boundaries of the Section

The Superior Oil Company		Government "K"		1	
K	23	18 South	32 East	Lea	
1700	feet from the	South	2300	feet from the	West
3275.8	Embracing From	Queen	Querecho Plains	Queen	40

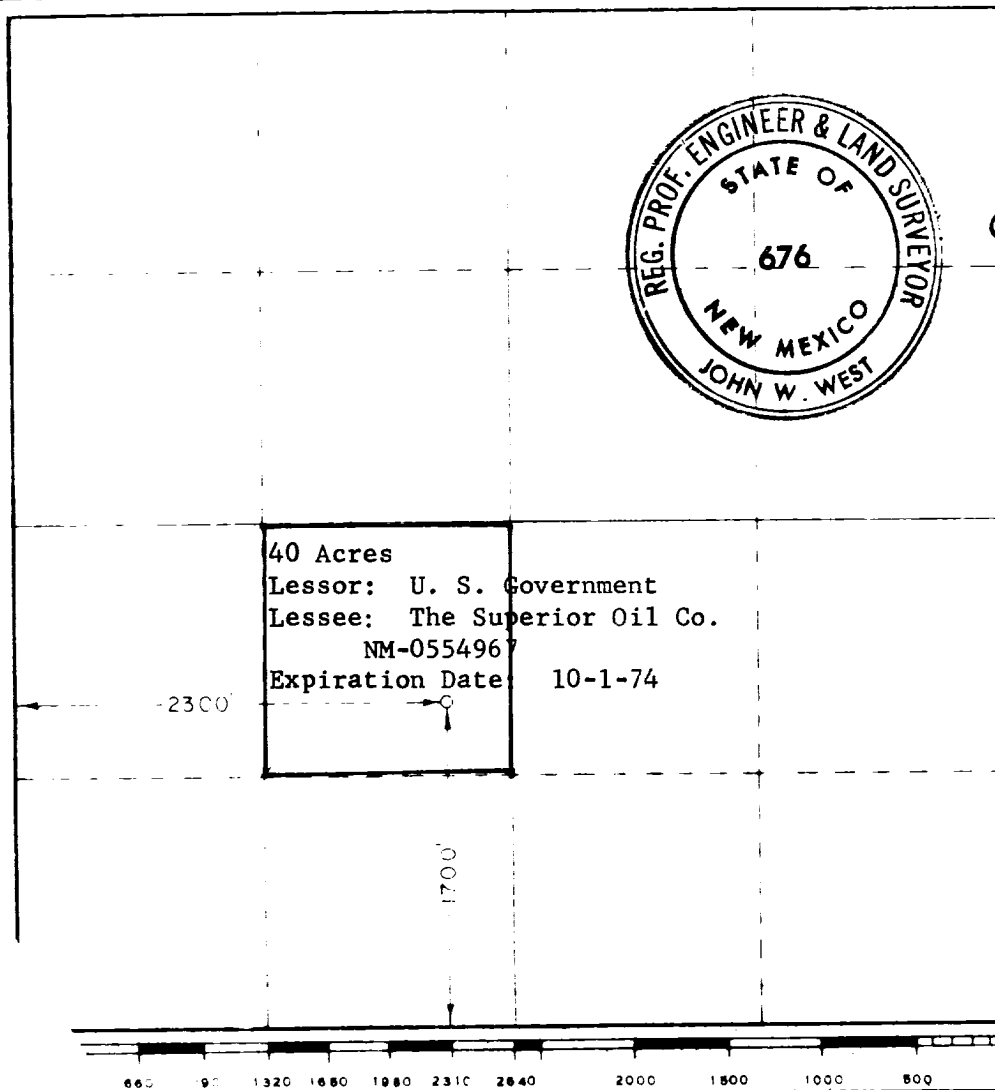
- Outline the acreage dedicated to the subject well by colored pencil or hashure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Common lease and consolidation  
not required.

X 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.

*T. D. Clay*

T. D. Clay

Petroleum Engineer

The Superior Oil Company

September 5, 1974

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

August 31, 1974

Registered Professional Engineer  
in the State of New Mexico

*John W. West*

Registration No.

676

# THE SUPERIOR OIL COMPANY

P. O. BOX 1500

MIDLAND, TEXAS 79701

September 6, 1974

Mr. A. R. Brown  
U.S.G.S. District Office  
P. O. Box 1157  
Hobbs, New Mexico 88240

Re: Government "K" No. 1  
1700' FSL & 2300' FWL  
Section 23, T-18-S, R-32-E  
Querecho Plains (Queen) Field  
Lea County, New Mexico

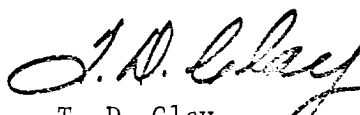
Dear Sir:

Regarding the above captioned proposed 4800' well, we plan to operate and oversee this operation and abide by environmental guidelines as follows:

1. Proposed road into drilling pad is shown on Exhibit "A" and existing highways and roads are shown on Exhibit "B".
2. Size of drilling pad and pits relative to roads are shown on Exhibit "A".
3. Proposed Government "K" No. 1 Well is located approximately 1000 feet from nearest tank battery which is in the NW SE Section 23, T-18-S, R-32-E and serves John H. Hill Edith Federal No. 2 Well.
4. Source of water supply for drilling: Water will be hauled by truck.
5. Trash on location will be put in reserve pit and covered with dirt.
6. If well is plugged and abandoned, earth pits will be filled with dirt and location restored to original contour. <sup>TRASH AND JUNK SHOULD BE</sup> ~~TRASH AND JUNK SHOULD BE~~ <sup>BURNED IN A SEPARATE TRASH PIT</sup>
7. If well is completed as a producer, earth pits will be filled with dirt and location restored. Tank battery will be located as shown on Exhibit "A" and any produced water will be stored in tank until hauled to an approved disposal well.
8. Development plans: Government "K" no. 1 Well is the only well planned.
9. Regarding oil or gas that may be produced during drilling or completion operations, this hydrocarbon will be piped a safe distance from drilling rig and burned or contained in storage. Blowout preventers consisting of blind and pipe rams will be used during drilling operations to provide safety and prevent spillage.

Very truly yours,

THE SUPERIOR OIL COMPANY

  
T. D. Clay  
Petroleum Engineer

TDC/wc

Attachment

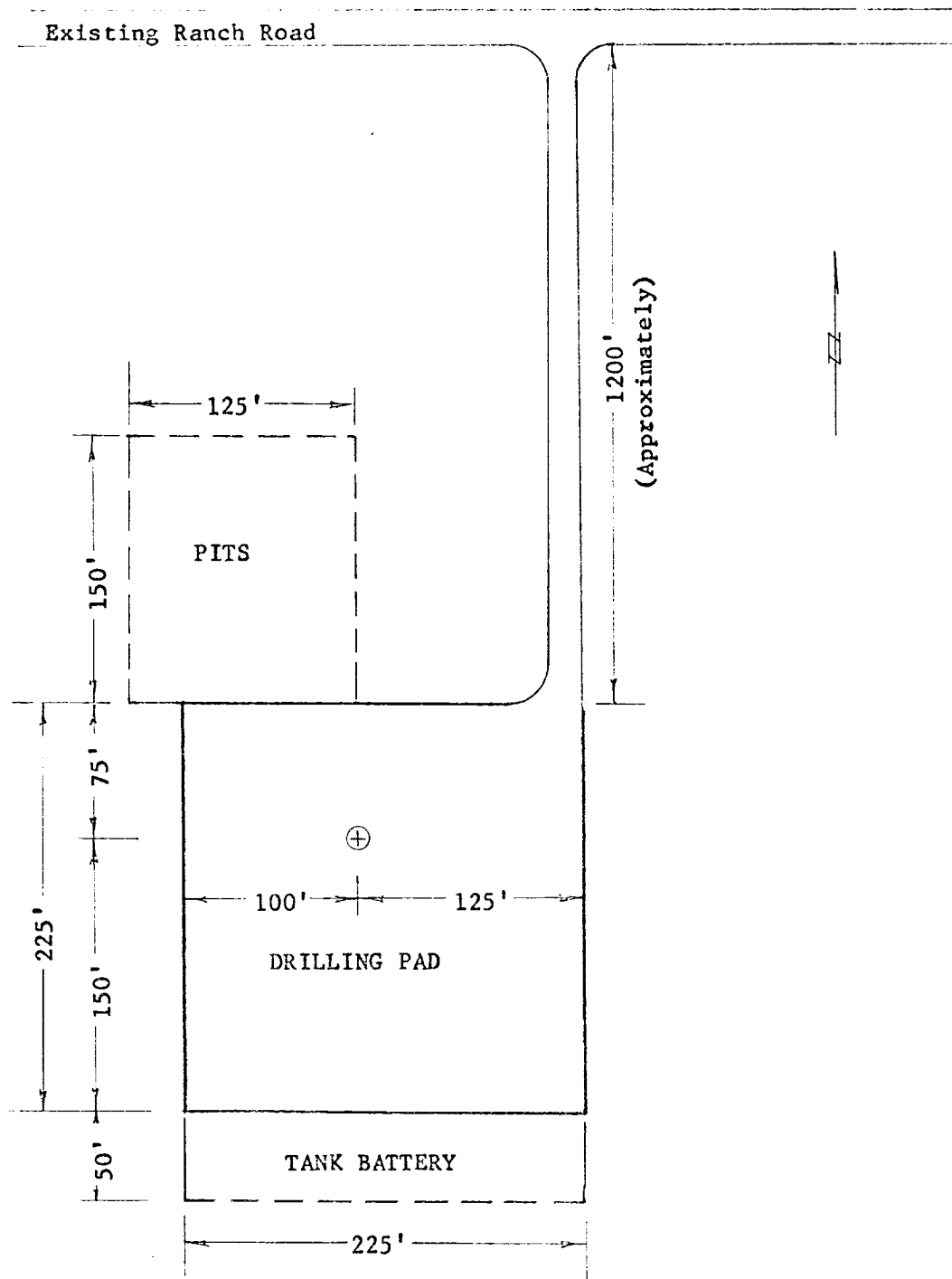
SUPERIOR GOVERNMENT "K" NO. 1 WELL  
1700' FSL & 2300' FWL Section 23, T-18-S, R-32-E  
Querecho Plains (Queen) Field  
Lea County, New Mexico

0 to 400' or 8-5/8" Casing Shoe:

Drill 11" hole with fresh water with gel and lime added along with fiber and cottonseed hulls for possible fluid loss.

400' to 4800' or 5-1/2" Casing Shoe:

Drill with brine water to prevent abnormal leaching of salt and anhydrite section. Maintain viscosity at 30-35 cp for cleaning hole and water loss at 10-12 cc when drilling thru potential pay zones.



The Superior Oil Co.

GOVERNMENT "K" NO.1

1700' FSL & 2300' FWL  
 Sec. 23, T-18-S, R-32-E  
 Lea County, New Mexico

EXHIBIT "A"

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

