

U. S. GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1425.

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 ☐

2. NAME OF OPERATOR  
Kewanee Oil Company

3. ADDRESS OF OPERATOR  
P. O. Box 3786, Odessa, Texas 79760

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface Unit I, 1650' from South line and 660' from East line  
Section 12, T17S, R29E, Eddy County, New Mexico  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
5 miles NW of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
330'

16. NO. OF ACRES IN LEASE  
1,343.96

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.  
1,320'

19. PROPOSED DEPTH  
2,730'

20. ROTARY OR CABLE TOOLS  
Rotary

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

22. APPROX. DATE WORK WILL START\*

5. LEASE DESIGNATION AND SERIAL NO.  
LC-026765

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Square Lake 12 Unit

8. FARM OR LEASE NAME  
Tract 1

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Square Lake 6-SA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
12 - 17S - 29E

12. COUNTY OR PARISH  
Eddy

13. STATE  
New Mexico

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	32#	30'	None - Conductor pipe
7-7/8"	5-1/2"	14#	2,730'	700 cu. ft. slurry

Well is to be drilled as a replacement for Well No. 1 drilled in 1941 and P&A in 1948.

Propose to drill 11" hole to 30' and set 8-5/8" conductor pipe on clamps, drill 7-7/8" hole to 2,730' with rotary tools. Run 5-1/2", 14#, J-55 casing to total depth and cement to surface with approximately 700 cu. ft. cement. Cement will be circulated to surface.

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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 [Signature] TITLE Division Superintendent DATE 5-19-70

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE DISTRICT ENGINEER DATE MAY 20 1970

CONDITIONS OF APPROVAL, IF ANY:

\*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.

N MEXICO OIL CONSERVATION COMMISS  
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.

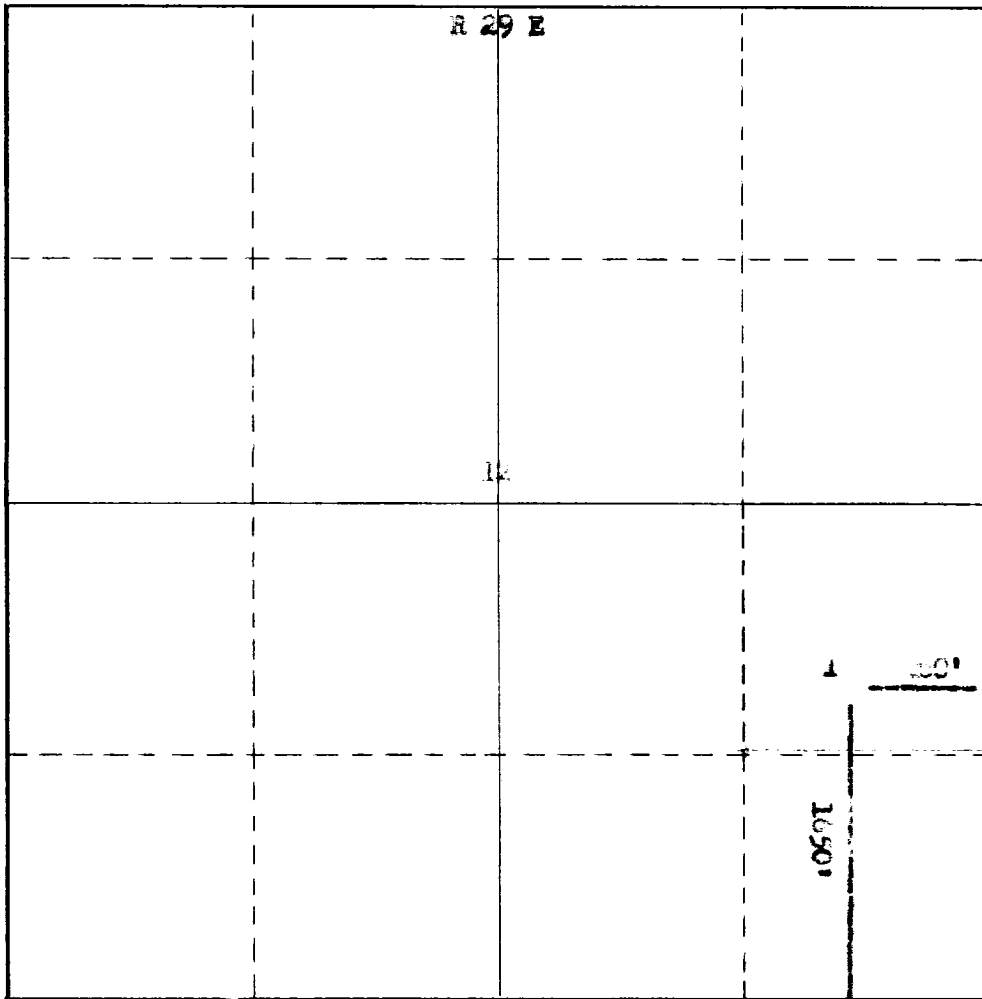
Operator <b>Keweenaw Oil Co.</b>		Lease <b>Square Lake 14 unit 174</b>		Well No. <b>* 18</b>
Unit Letter <b>I</b>	Section <b>12</b>	Township <b>17 S</b>	Range <b>29 E</b>	County <b>Boyd</b>
Actual Footage Location of Well: <b>1050 South</b> feet from the <b>South</b> line and <b>600</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3620</b>	Producing Formation <b>Grayburg</b>	Pool <b>Square Lake G-SA</b>	Dedicated Acreage: <b>40</b> 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.

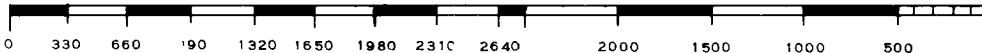
*[Signature]*  
Name  
**Division Superintendent**  
Position  
**Keweenaw Oil Company**  
Company  
**May 18, 1970**  
Date

I hereby certify that the well location shown on this plat was plotted from the 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.

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Date Surveyed  
**May 15<sup>th</sup> 1970**  
Registered Professional Engineer and/or Land Surveyor

*[Signature]*  
Certificate No. \_\_\_\_\_



17  
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