

UNITED STATES  
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY HOBBS OFFICE O. C. C.

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐DEEPEN ☐PLUG BACK ☒

5. LEASE DESIGNATION AND SERIAL NO.

LC 032096 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

NMPU

8. FARM OR LEASE NAME

Lockhart E-12

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Drinkard &amp; Kantz Abo

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec 12, T21S, R37E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☒

2. NAME OF OPERATOR

Continental Oil Company

3. ADDRESS OF OPERATOR

Box 460, Hobbs, New Mexico

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

At surface 1650' FNL &amp; 660' FNL of Sec 12, T-21S, R-37E,

Lea County, New Mexico, NMPU.

At proposed prod. zone

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

4 miles northwest of Ruidoso, New Mexico

15. DISTANCE FROM PROPOSED\*

1650' FNL &amp; 660' FNL

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

330' West

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

of well #5

19. PROPOSED DEPTH

8050' PH

20. ROTARY OR CABLE TOOLS

Rotary

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

3467' DF

22. APPROX. DATE WORK WILL START\*

June 5, 1964

23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 15 3/4       | 10 3/4 OD      | 40.50           | 255           | 250 sx             |
| 9 7/8        | 7 5/8 OD       | 24              | 3160          | 1255 sx            |
| 6 3/4        | 5 1/2 OD       | 17 & 15#        | 6201          | 464 sx             |

Lockhart E-12 No. 4 is presently a single completion in the Ellenburger formation. The well has been shut in due to lack of production. In order to restore the well to a producing status, it is proposed to plug back & dual complete in the Drinkard & Kantz Abo Pools.

## Proposed procedure:

(1) Set plug at 8050 & perf 6922, 6939, 6999, 7008, 7021, 7074, 7080, 7097, 7125, 7148, 7159, 7193, 7210, 7234, 7252, 7262, & 7307 w/1 JSPP.

(2) Frac w/3 equal stages of 1000 gals acid, 20,000 gals crude, 20,000# sand & 1000# "ADONITE".

(3) Set retrievable bridge plug above Abo & perf Drinkard 6601, 6618, 6640, 6659, 6694, 6725, & 6747 w/1 JSPP.

(4) Frac w/1000 gals acid, 30,000 gals crude, 30,000# sand & 1500# "ADONITE".

(5) Run dual completion equipment & place on production.

## Your approval is requested for the above work.

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

Assistant District Manager

DATE

5-28-64

(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

USGS(5) ~~SEKCC(2)~~ ARS PanAm-Hobbs(3) Atl-Ros(2) Calif-wu631d(1 ea)

## 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.