

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> OCT 6 1964 DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC 068382 065194
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Continental Oil Company		7. UNIT AGREEMENT NAME Bell Lake
3. ADDRESS OF OPERATOR Box 460, Hobbs, New Mexico		8. FARM OR LEASE NAME Bell Lake Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FNL & 1650' FWL of Section 19, T-23S, R-34E, Lea County, New Mexico, NMPM. At proposed prod. zone Same		9. WELL NO. 10
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 23 miles southwest of Eunice, New Mexico		10. FIELD AND POOL, OR WILDCAT Bell Lake Field Devonian Pool
15. DISTANCE FROM PROPOSED* 1650' FWL of Sec 19- LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 23-34 (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE 5,747.56	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 19-23S-34E
18. DISTANCE FROM PROPOSED LOCATION* 4000' North of TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Bell Lake Unit #9	17. NO. OF ACRES ASSIGNED TO THIS WELL 640	12. COUNTY OR PARISH Lea
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3540' GL (est)	19. PROPOSED DEPTH 15,000	13. STATE New Mexico
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* October 10, 1964

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20" OD	79.6	0-800	1100 Circ
16"	13 3/8" OD	54.5, 61, 68, 72	0-5900	2223 Circ
12 1/4"	9 5/8" OD	40, 43.5	0-12,000	1670 Ret to 5900
8 1/2"	7" OD	29, 32	11900-14600	304 Ret to liner top
5 7/8"	5" OD	18	14500-15000	36 Ret to liner top

It is our intention to drill a well at the above location using the following procedure:

1. Drill 26" hole to 800' & set 20" surface casing.
2. Drill 16" hole from 800' to 5900' & set 13 3/8 casing. Circ cmt to surface.
3. Drill 12 1/4" hole from 5900 to 12,000' & set 9 5/8" casing.
4. Drill 8 1/2" hole from 12,000' to 14,000'. Run open hole logs & set 7" liner back to 11,900'.
5. Drill 5 7/8" hole from 14,600 to TD & set 5" liner back to 14,500'. Run GR log from TD to surface, but run Neutron log only to 14,600'.
6. Perforate 125' w/1 JSPF & acidize w/2000 gals 15% NE acid.

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 Staff Supervisor DATE 10-1-64  
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

