

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC 031741 (b)
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input 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 NMFU
3. ADDRESS OF OPERATOR Box 460, Hobbs, New Mexico		8. FARM OR LEASE NAME Hawk B-1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FSL & 660' FEL of Sec. 8, T-21S, R-37E, Lea County, New Mexico NMPM At proposed prod. zone Same		9. WELL NO. 11
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT NMFU Field Drinkard
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8- T-21S, R-37E
16. NO. OF ACRES IN LEASE 400		12. COUNTY OR PARISH Lea
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE N.M.
18. DISTANCE FROM PROPOSED LOCATION* 1320 North TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. of Hawk B-1 #10 6635 PB		20. ROTARY OR CABLE TOOLS
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3538 DF		22. APPROX. DATE WORK WILL START* 1-5-65

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

To develop additional Drinkard reserves underlying the Hawk B-1 Lease, it is proposed to plug back and recomplete higher in the Drinkard formation using the following procedure:

1. Squeeze Drinkard perforations with cement.
2. Drill out cement to 6635'.
3. Run GR-Neutron Collar log from TD to 5200'.
4. Perf upper Drinkard with 1 JSPF @ 6539, 6546, 6554, 6566, 6572, 6594, 6608, 6619 & 6629.
5. Treat w/2000 gals acid (1/2% HC2 or equivalent) 40,000 gals crude, 40,000 lbs sand and 2000 lbs "ADOMITE" Additives.
6. Recover load oil and potential Drinkard!

Your approval for the above work is requested.

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 SIGNED ROBERT GAULT III TITLE Staff Supervisor DATE 12-23-64

(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

USGS-5, NMOCC-2 JM PAN AM HOBBS-3 ATL-Ros 2, Calif - Hous & Mid. I each

\*See Instructions On Reverse Side

