

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 checked="" type="checkbox"/> PLUG BACK <input 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 type="checkbox"/> MULTIPLE ZONE <input checked="" 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' FWL of Section 9, T-21S, R-37E, Lea County, New Mexico, NMMP At proposed prod. zone Same		9. WELL NO. 4	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 miles N.W. of Eunice, New Mexico		10. FIELD AND POOL, OR WILDCAT NMFU Field - Blinebry and Drinkard Pools	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660' FWL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 9-21S-37E	
16. NO. OF ACRES IN LEASE 1200		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. of Well No. 9 1320' North		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3522 DF		22. APPROX. DATE WORK WILL START* 6-18-65	

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	48	210	200 Circ.
12-1/4	9-5/8	36	2794	500 Ret. to 1806
8-3/4	7	23	6689	750 Ret. to 2675

It is proposed to deepen the subject well through the Drinkard formation, perforate the upper Drinkard zone, and dual complete the Blinebry formation with the producing Drinkard formation using the following procedure:

1. Deepen to 6740'.
2. Run Gamma Ray-Neutron - Collar log from T.D. to 5100'.
3. Acidize open hole section with 2,000 gals.
4. Swab and test Lower Drinkard.
5. Set retrievable bridge plug @ 6590'.
6. Perforate Upper Drinkard @ approx. 6526, 6534, 6541, 6551, 6561, 6570 and 6580. (Exact depths to be picked from new log).

(Cont'd on attached sheet)

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 Robert Gault TITLE Staff Supervisor DATE 6-14-65  
(This space for Federal or State office use)

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

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:USGS-5 NMOCC-2 LPT  
Pan Am-Hbs-3, Atl-Ros-2,  
Calif-Mid-2

\*See Instructions On Reverse Side

J. L. GORDON  
ACTING DISTRICT ENGINEER

APPROVED

JUN 15 1965