

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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| 1a. TYPE OF WORK <input checked="" type="checkbox"/> Recomplete <input checked="" type="checkbox"/> RECOMPLETE <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK | | 5. LEASE DESIGNATION AND SERIAL NO. NM-2512 |
| 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 type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| 2. NAME OF OPERATOR Continental oil Company | | 7. UNIT AGREEMENT NAME |
| 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 and 1980' FEL of Sec 8, T-21S, R-37E At proposed prod. zone Same | | 9. WELL NO. 14 |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* | | 10. FIELD AND POOL, OR WILDCAT Drinkard |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit 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 1320 | | 12. COUNTY OR PARISH 12. STATE Lea N. Mexico |
| 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. | | |
| 19. PROPOSED DEPTH | | |
| 20. ROTARY OR CABLE TOOLS | | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3532' df | | 22. APPROX. DATE WORK WILL START* 7-27-72 |

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12 1/4" | 8 5/8" | 20 # | 1322' | 650 SKS |
| 7 7/8" | 5 1/2" | 14 # | 6836' | 625 SKS |

It is proposed to temporarily abandon the Drinkard zone and recomplete in the San Andres formation by the following procedures: Set CIBP at 4300' w/ 1 sack of cement on top. Perf San Andres w/ 1 1/2 spf at 4151', 56', 70', 76' and 4196'. Set packer at \pm 4100'. Treat w/ 2500 gals 28% HCL-NE acid.

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 Admin. Supervisor DATE 7-20-72

(This space for Federal or State office use)

PERMIT NO. _____

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

APPROVED
JUL 21 1972
ARTHUR R. BROWN
DISTRICT ENGINEER

*See Instructions On Reverse Side

USGS(5) NMFA(4) File