

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

|                                                                                                                                                          |                               |                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------|
| 1a. TYPE OF WORK<br>DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>                         |                               | 5. LEASE DESIGNATION AND SERIAL NO.<br>LC-058697 b                        |
| b. TYPE OF WELL<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>                         |                               | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                      |
| 2. NAME OF OPERATOR<br>CONTINENTAL OIL CO.                                                                                                               |                               | 7. UNIT AGREEMENT NAME                                                    |
| 3. ADDRESS OF OPERATOR<br>BOX 460, HOBBS, N. MEX.                                                                                                        |                               | 8. FARM OR LEASE NAME<br>PEARL B                                          |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)<br>At surface 685' FSL + 2050' FWL of Sec. 30, T-17S, R-33E |                               | 9. WELL NO.<br>20                                                         |
| At proposed prod. zone LC & COUNTY, N. MEX.                                                                                                              |                               | 10. FIELD AND POOL, OR WILDCAT<br>Pearsall Queen                          |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>SAME                                                                            |                               | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 30, T-17S, R-33E |
| 15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE, FT.<br>(Also to nearest drg. unit line, if any)                                                          | 16. NO. OF ACRES IN LEASE     | 17. NO. OF ACRES ASSIGNED TO THIS WELL<br>40                              |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.                                            | 19. PROPOSED DEPTH<br>PB 4370 | 20. ROTARY OR CABLE TOOLS                                                 |
| 21. ELEVATIONS (Show whether DF, RT, GL, etc.)<br>4033' DF                                                                                               |                               | 22. APPROX. DATE WORK WILL START*<br>11-17-69                             |
| 23. PROPOSED CASING AND CEMENTING PROGRAM<br>NO CHANGE                                                                                                   |                               |                                                                           |
| SIZE OF HOLE<br>15<br>9 7/8                                                                                                                              | SIZE OF CASING<br>10"<br>7"   | WEIGHT PER FOOT<br>-<br>-                                                 |
| SETTING DEPTH<br>20'<br>3986'                                                                                                                            |                               | QUANTITY OF CEMENT<br>15<br>200                                           |

It is proposed to run GR/N log from 4450' to 3600'. Set a cement plug from 4450' to 4370' (approx). Stimulate the Grayburg 6<sup>th</sup> zone with 1000 gals mud acid, 20,000 gals water 20,000 # sand frac at approx 20 BPM, 3600 PSI, + 1800 HHP. Place well on test.

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 <u>M. E. [Signature]</u>            | TITLE <u>ADM. Section Chief</u> | DATE <u>11-7-69</u> |
| (This space for Federal or State official use) |                                 |                     |
| PERMIT NO. _____                               | APPROVAL _____                  |                     |
| APPROVED BY _____                              | TITLE _____                     | DATE _____          |
| CONDITIONS OF APPROVAL, IF ANY:                |                                 |                     |

V8DS-5

JLH

\*See Instructions On Reverse Side

