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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

|                                |   |
|--------------------------------|---|
| 5A. Indicate Type of Lease     |   |
| STATE <input type="checkbox"/> | FEE <input checked="" type="checkbox"/> |

5. State Oil & Gas Lease No.

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

|  |  |  |  |
|--|--|--|--|
| 1a. Type of Work   |  | 7. Unit Agreement Name                                 |  |
| b. Type of Well<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/><br>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"/> |  | 8. Farm or Lease Name<br>Hugh                          |  |
| 2. Name of Operator<br>GULF OIL CORPORATION  |  | 9. Well No.<br>14                                      |  |
| 3. Address of Operator<br>P. O. Box 670, Hobbs, New Mexico 88240   |  | 10. Field and Pool, or Wildcat<br>Wantz Granite Wash   |  |
| 4. Location of Well<br>UNIT LETTER <u>G</u> LOCATED <u>2310</u> FEET FROM THE <u>North</u> LINE<br>AND <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>14</u> TWP. <u>22-S</u> RGE. <u>37-E</u> NMPM   |  | 12. County<br>Lea                                      |  |
| 19. Proposed Depth<br>7700'  |  | 19A. Formation<br>Granite Wash                         |  |
| 20. Rotary or C.T.<br>Rotary   |  | 21. Elevations (Show whether DF, RT, etc.)<br>3330' GL |  |
| 21A. Kind & Status Plug. Bond<br>Blanket   |  | 21B. Drilling Contractor<br>M-G-F Drilling Co.         |  |
| 22. Approx. Date Work will start<br>11-15-78   |  |  |  |

## PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT                    | EST. TOP  |
|--------------|----------------|-----------------|---------------|------------------------------------|-----------|
| 12-1/4"      | 8-5/8"         | 24.0#           | 1100'         | 500                                | Circulate |
| 7-7/8"       | 5-1/2"         | 15.5#           | 7700'         | To be determined by caliper survey | Circulate |

NOTE: See Attached BOP Drawing No. 3

Circulating Media: 0' - 1100' Fresh water spud mud;  
 1100' - 7000' Brine water;  
 7000' - 7700' Brine water polymer; Filtrate, 5 cc's or less.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed R. C. Anderson Title Area Production Manager Date 10-23-78

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 2 DATE OCT 24 1978

CONDITIONS OF APPROVAL, IF ANY:



The blowout preventer assembly shall consist of one blind ram preventer and one pipe ram preventer, both hydraulically operated, a Hydril "GK" preventer, valves, chokes and connections as illustrated. If a tapered drill string is used, a ram preventer must be provided for each size of drill pipe. Casing and tubing rams to fit the preventers are also be available as needed. If correct in size, the flanged outlets of the ram preventer may be used for connecting to the 4-inch 1, D. choke flow line and kill line, except when air or gas drilling. The substructure height shall be sufficient to install a rotating blowout preventer.

Minimum operating equipment for the preventers and hydraulically operated valves shall be as follows: (1) Multiple pumps, driven by a continuous source of power, capable of fluid changing the total accumulator volume from the nitrogen precharge pressure to its rated pressure within \_\_\_\_\_ minutes. Also, the pumps are to be connected to the hydraulic operating system which is to be a closed system. (2) Accumulators, with a precharge of nitrogen of not less than 750 PSI and connected so as to receive the aforementioned fluid charge. With the changing pumps shut down, the pressurized fluid volume stored in the accumulators must be sufficient to close all the pressure-operated devices simultaneously within \_\_\_\_\_ seconds; after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume at least \_\_\_\_\_ percent of the original. (3) When \_\_\_\_\_, an additional source of power, remote and equivalent, is to be available to operate the above pumps; or there shall be additional pumps operated by separate power and equal in performance capabilities.

The closing manifold and remote-closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided for operating the Hydrali preventer. When requested, a second pressure reducer shall be available to limit operating fluid pressures to ram preventers. Gulf Legion No. 38 hydraulic oil, an equivalent or better, is to be used as the fluid to operate the hydraulic equipment.

The choke manifold, choke flowline, and choke lines are to be supported by metal struts and adequately anchored. The choke flow line and choke lines shall be constructed as straight as possible and without sharp bends. Easy and safe access is to be maintained to the choke manifold. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The choke flow line valves connected to the drilling spool and all ram type preventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the Derrick substructure. All other valves are to be equipped with handles.

**\* To include derrick floor mounted controls.**

**ADDITIONS - DELETIONS - CHANGES**  
**SPECIFY**