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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 DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | 7. Unit Agreement Name |
| 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"/> | | 8. Farm or Lease Name C. D. Woolworth |
| 2. Name of Operator Gulf Oil Corporation | | 9. Well No. 5 |
| 3. Address of Operator P. O. Box 670, Hobbs, NM 88240 | | 10. Field and Pool, or Wildcat Langlie Mattix |
| 4. Location of Well UNIT LETTER M LOCATED 660' FEET FROM THE South LINE AND 660 FEET FROM THE West LINE OF SEC. 30 TWP. 24-S RGE. 37-E NMPM | | 12. County Lea |
| 19. Proposed Depth 3720' | | 19A. Formation Queen |
| 20. Rotary or C.T. Rotary | | |
| 21. Elevations (Show whether DF, RT, etc.) 3261' GL | 21A. Kind & Status Plug. Bond Blanket | 21B. Drilling Contractor |
| 22. Approx. Date Work will start 4-13-78 | | |

23.

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# | 350' | Circ | |
| 7 7/8" | 5 1/2" | 15.50# | 3750' | 500 sacks - Circ | |

Note: See attached BOP drawing #3

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.

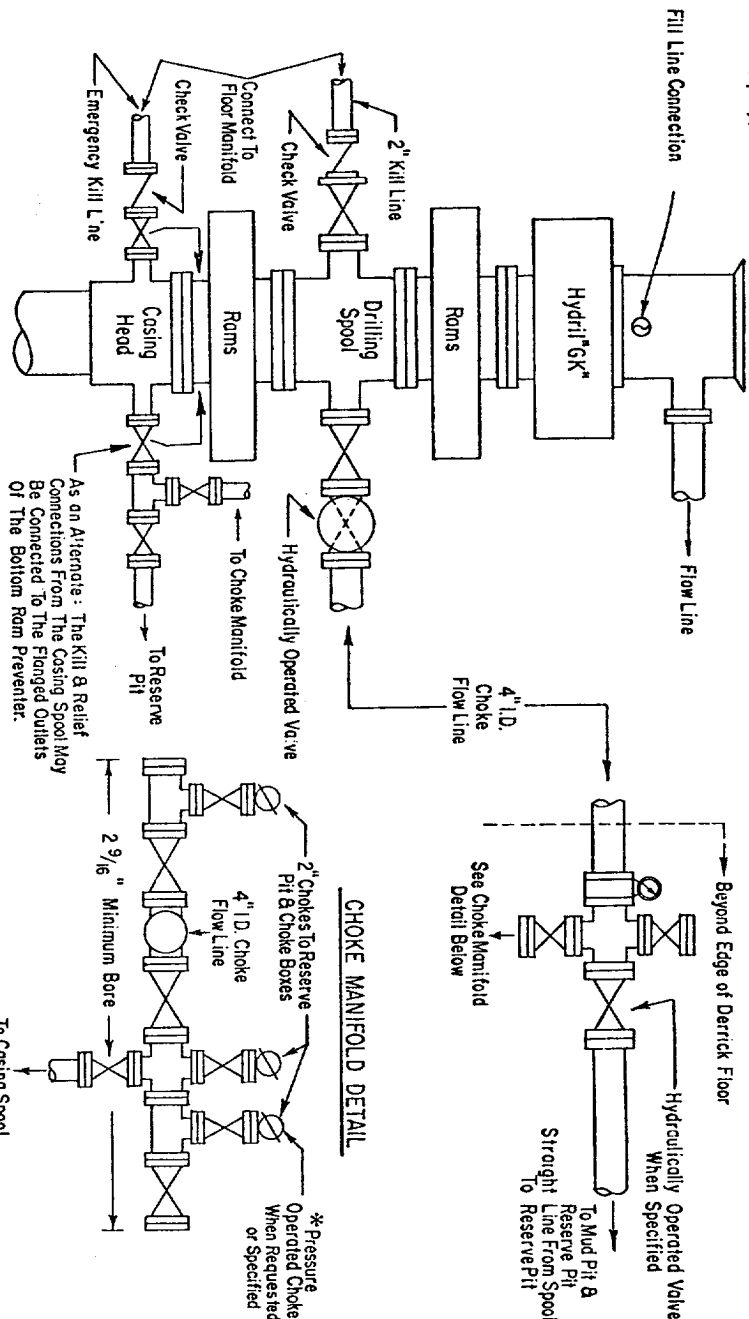
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed [Signature] Title Area Production Manager Date 1-16-78

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT I DATE JAN 17 1978

CONDITIONS OF APPROVAL, IF ANY:



3000 PSI WORKING PRESSURE BLOWOUT PREVENTER HOOK-UP

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 available as needed. If correct in size, the flanged outlets of the ram preventer may be used for connecting to the 4-inch I.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 charging 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 charging 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 of at least _____ percent of the original. (3) When requested, 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 Hydril 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 flow line, and choke lines are to be supported by metal stands 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

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JAN 16 1978

C. L. CONSERVATION GROUP,
ROSES, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-10,
 Supersedes C-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section

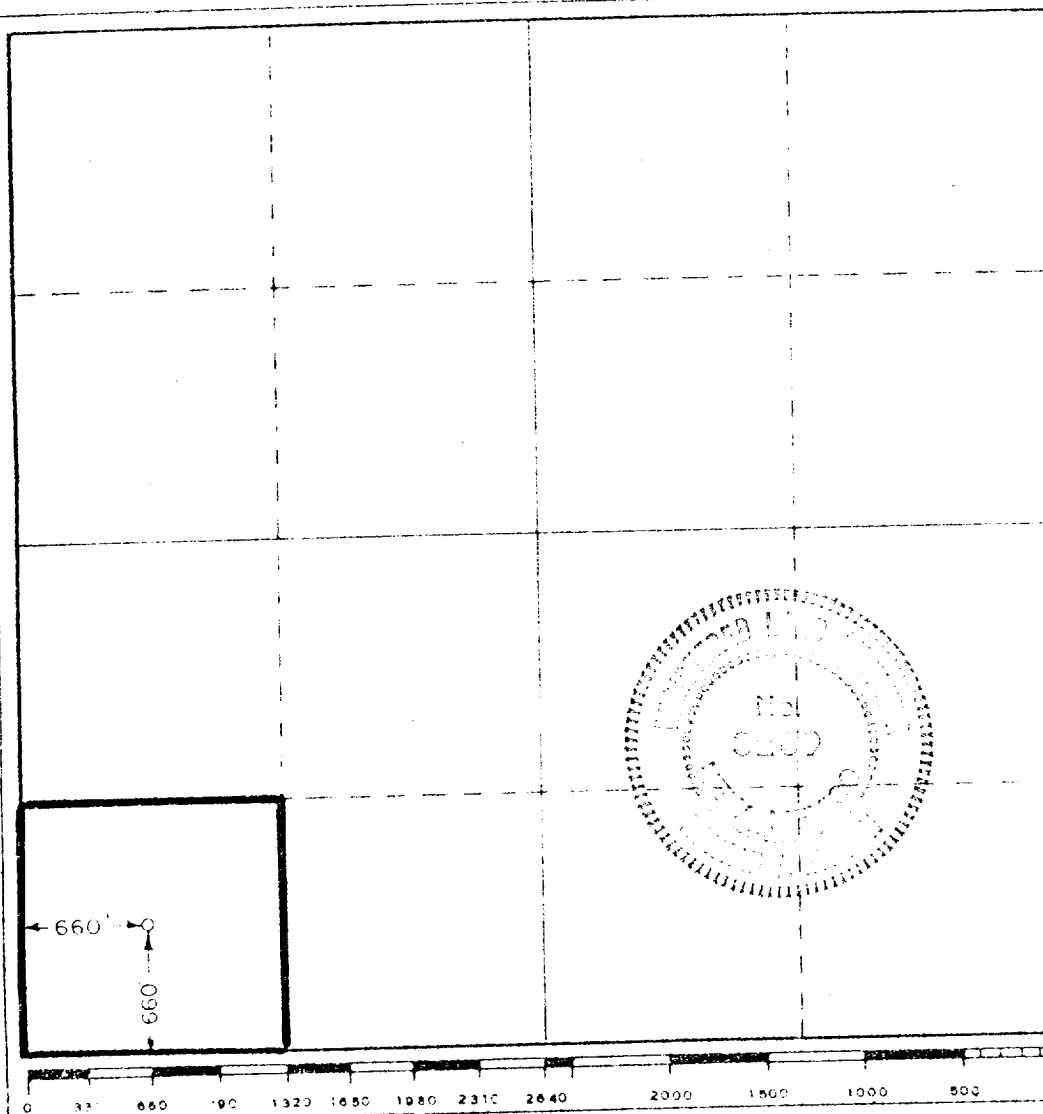
| | | | | |
|-----------------------------------|-------------------------------------|---------------------------------|-------------------------------------|----------------------|
| Operator Gulf Oil Co. | | Lease C. D. Woolworth | | Well No. 5 |
| Section M | Section 30 | Township 24 South | Range 37 East | County Lea |
| Actual Well Location of Well: | | | | |
| 660 | feet from the South | 660 | feet from the West | |
| Ground Elevation 3261.1 | Producing Formation Queen | Pool Langlie Mattix | Date of this plat 1/13/78 | |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

C. D. Borland

C. D. Borland

Area Production Manager

Gulf Oil Corporation

1-16-78

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

1/12/78

Registered Professional Engineer and Registered Surveyor

Ronald J. Eidson

Certificate No. **John W. West 676**
Ronald J. Eidson 3239

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JAN 16 1973

OIL CONSERVATION DIVISION
HOBBS, N. M.

113

113