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NEW MEXICO OIL CONSERVATION COMMISSION

Form O-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐		7. Unit Agreement Name
b. Type of Well OIL WELL ☐ GAS WELL ☐ OTHER WATER INJECTION WELL ☒ SINGLE ZONE ☐ MULTIPLE ZONE ☐		8. Farm or Lease Name NORTH SEVEN RIVERS QUEEN WATERFLOOD
c. Name of Operator GULF OIL CORPORATION		9. Well No. 12
3. Address of Operator P.O. Box 670 Hobbs New Mexico 88240		10. Field and Pool, or Well No. SOUTH EUNICE QUEEN
4. Location of Well UNIT LETTER D LOCATED 1305 FEET FROM THE SOUTH LINE AND 2635 FEET FROM THE EAST LINE OF SEC. 4 TWP. 22S RGE. 36E NMPM		11. County LEA
19. Proposed Depth 3900		19A. Formation 7-RIVERS-QUEEN
20. History of Well ROTARY		
1. Elevations (Show whether DT, RT, etc.) 3584.1	1A. Kind & Status (plug, Bond) BLANKET	21a. Drilling Contractor UNKNOWN
		22. Approx. Date work will start OCTOBER 15, 1984

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	48	400	~ 500 ft ³	SURFACE
12 1/4	8 5/8	24 & 32	3000	~ 2000 ft ³	SURFACE
7 7/8	5 1/2	15.50	3900	~ 800 ft ³	TIE-BACK-MINIMUM TO INTERMEDIATE

SEE ATTACHED DRAWING FOR 2-3000 psi WORKING PRESSURE

0-400 FW SPUD MUD 8.6-8.8 ppq 34vis 9pH
400-3000 SATURATED BRINE WATER 10.0 ppq 29vis 7pH
3000-3900 FW 8.4 ppq 28vis 8pH

See Attached Casing program

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 4/10/85
UNLESS DRILLING UNDERWAY

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.

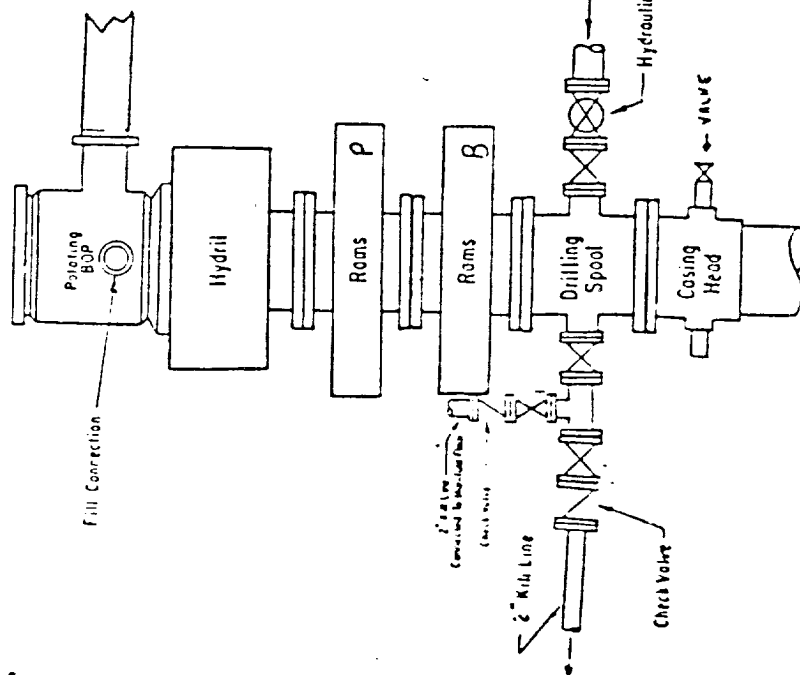
I hereby certify that the information above is true and complete to the best of my knowledge and belief.
Signed E. C. Gaudin Title AREA PROD MGR Date 8-28-84

(This space for State Use)
Eddie W. Seay

OCT 10 1984

APPROVED BY Oil & Gas Inspector TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ADDITIONS - DELETIONS - CHANGES SPECIFY
NOTE: When requested in cases at any time the BOP Supervisor can, may, or will require the equipment to be installed during operations. TO BURN BIT W/ TO RESERVE PIT



2000-3000 PSI WORKING PRESSURE BOP HOOK - UP

SPECIFY WORKING PRESSURE

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 to indicate 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 40, 38 hydraulic oil, or equivalent oil, is to be used as the fluid to operate the hydraulic equipment.

The choke manifold, the choke flow line, the choke lines and the relief lines are to be supported by metal stands and adequately anchored. The choke flow line, relief lines and choke lines shall be constructed as straight as possible and without sharp bends. Air and safe access shall 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 and valves of the relief lines connected to the drilling spools and all ram type preventers must be equipped with item selection, voltage rating, if needed, and hand wheels which are to extend beyond the edge of the derrick substructure. All other valves shall be equipped with handles.

The Blowout Preventer Assembly shall consist of one blind ram preventer and one pipe ram preventer, both hydraulically operated, a Hydril preventer, valves, chokes and connections, as illustrated. If a tapered drill string is used, a ram preventer shall be provided for each size of drill pipe. Casing and tubing rams to fit the preventers are to be available as needed. The ram preventer may be two singles or a double type. 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 to the kill line. 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 pump, 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 2 minutes. Also, the pumps are to be connected to the hydraulic operating system which is to be a closed system. (2) accumulator 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 accumulator shall be sufficient to close all the pressure-operated devices simultaneously within 1/2 second; after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume at least 50 percent of the original. When requested, either an additional source of power, remote and equivalent, is to be available to operate the above pump, or there shall be additional pump(s) operated by separate power and equal in performance capabilities.

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100-45-10005

N MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section

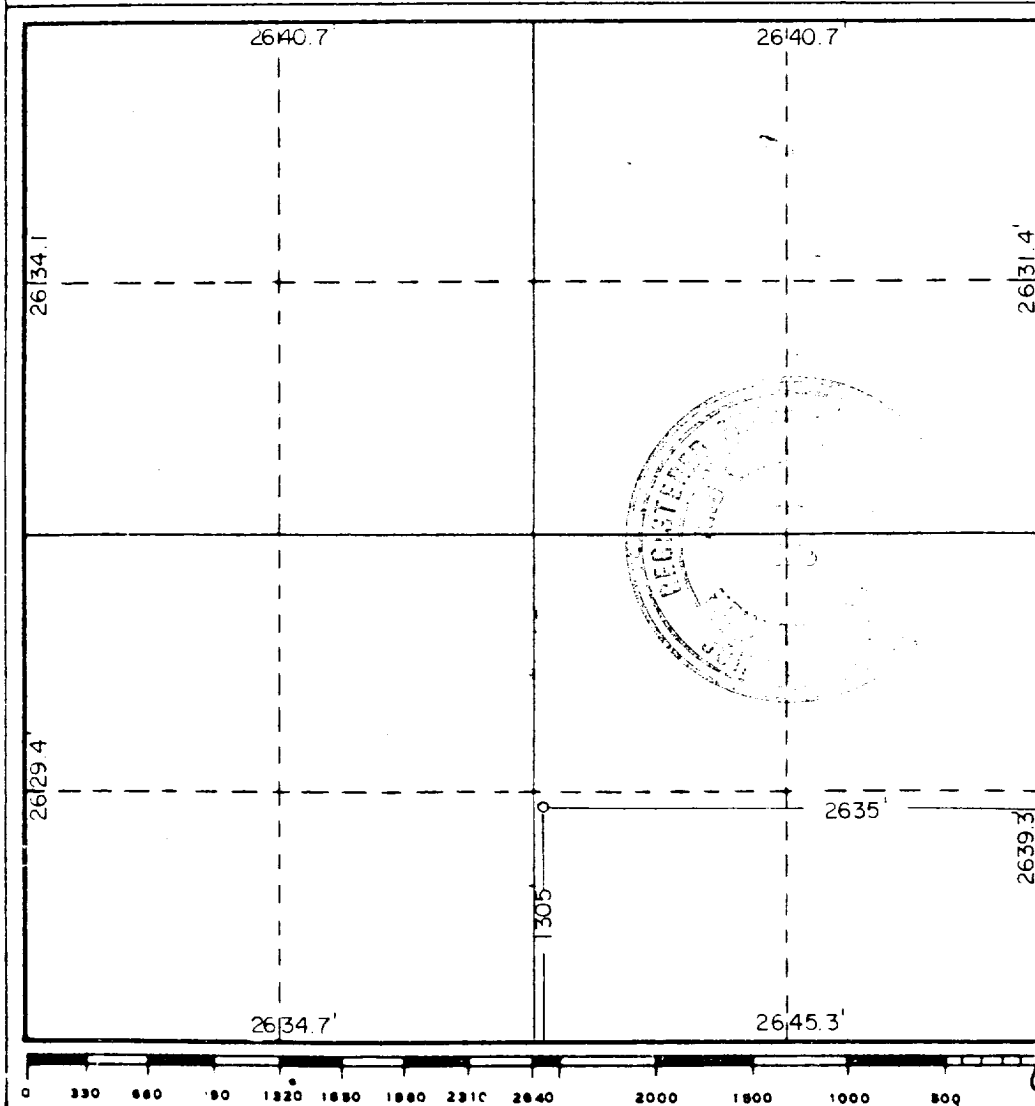
Operator GULF OIL CORP.			Lease NORTH SEVEN RIVERS QUEEN WATERFLOOD		Well No. 12
Unit Letter 0	Section 4	Township 22S	Range 36E	County LEA	
Actual Footage Location of Well: 1305 feet from the SOUTH line and 2635 feet from the EAST line					
Ground Level Elev. 3584.1	Producing Formation 7-RIVERS QUEEN		Pool SOUTH EUNICE SK. Pools	Dedicated Acreage: 40 Acres	

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.

R. C. Anderson

Name
R.C. ANDERSON

Position
AREA PROD MGR

Company
GULF OIL CORP

Date
8-28-84

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
6/13/84

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239

Cement

SEP 24 1964

Bar

Xag

27-85