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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease: STATE ■ FEE ☐

5. State Oil & Gas Lease No.: LG-322

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well: DRILL ■ DEEPEN ☐ PLUG BACK ☐
OIL WELL ■ GAS WELL ☐ OTHER SINGLE ZONE ■ MULTIPLE ZONE ☐

7. Unit Agreement Name:

8. Farm or Lease Name: LEA VF STATE

2. Name of Operator: GULF OIL CORPORATION

9. Well No.: 4

3. Address of Operator: P.O. Box 670 HOBBS NEW MEXICO

10. Field and Pool, or Wildcat: SAUNDERS UPPER PERMO PENN

4. Location of Well: UNIT LETTER K L LOCATED 660 FEET FROM THE WEST LINE
AND 2310 FEET FROM THE SOUTH LINE OF SEC. 16 TWP. 14S RGE. 33E NMPM

12. County: LEA

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
10,200	UPPER PERMO PENN	ROTARY

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
4227.8 GLE	BLANKET	UNKNOWN	NOVEMBER 18, 1983

23.

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	SURFACE
12 1/4	8 5/8	24 + 32#	4200	~ 1200	TIEBACK TO 400'
7 7/8	5 1/2	17 + 20#	10,200	~ 1000	~ 5000'

DRILLING FLUIDS:

0 - 400' FW SPUD MUD 8.6 - 8.8 ppg 9.0 pH 32-34 vis
400 - 4200' SAT. SALT SYSTEM 9.8 - 10.2 ppg 7.0 pH 29-34 vis
4200 - 10,200 CUT BRINE SYSTEM 9.3 - 9.8 ppg 8.0 pH 29-34 vis

BOP EQUIPMENT:

DRAWING # 2 ATTACHED 3000 psi WP

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 5-15-84
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.

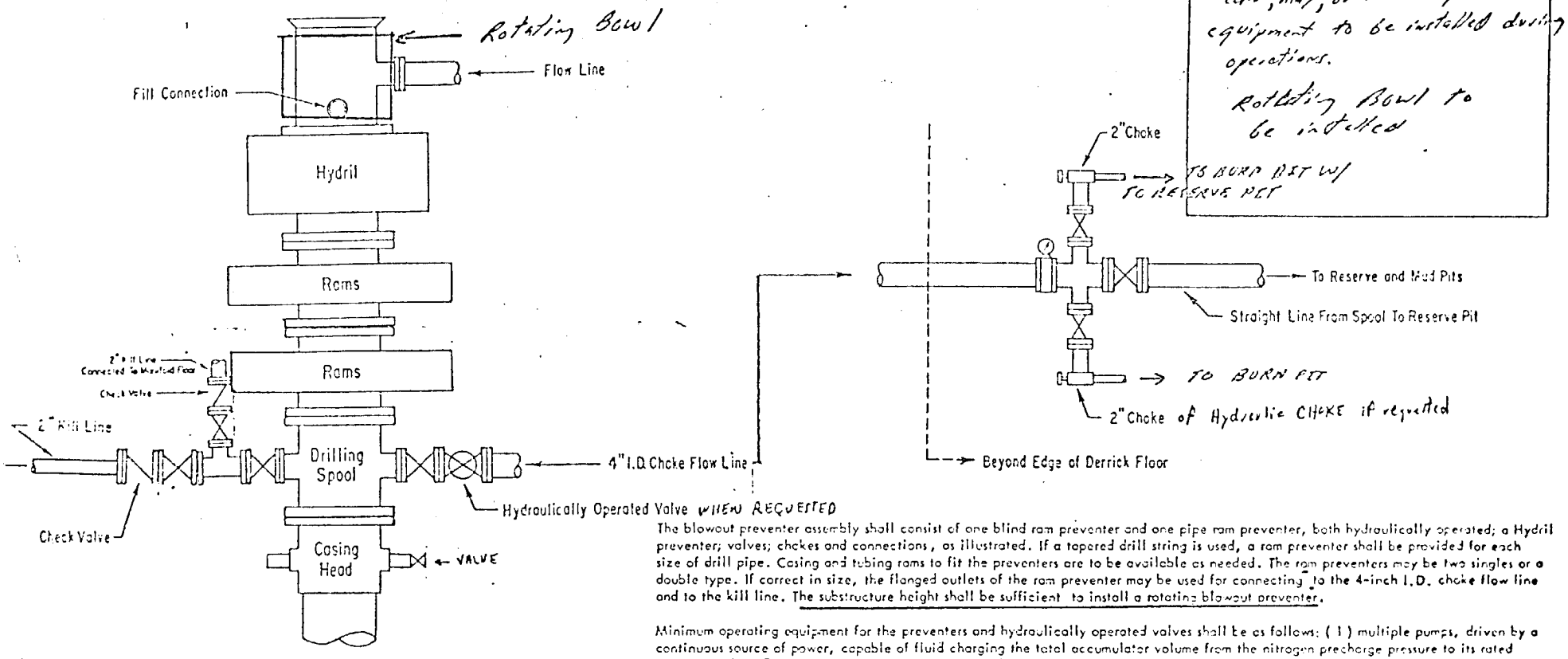
Signed R. Matthews Title Area Drilling Supt. Date 11-10-83

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR TITLE DATE NOV 15 1983

CONDITIONS OF APPROVAL, IF ANY:

BOP #2



ADDITIONS - DELETIONS - CHANGES SPECIFY

NOTE: "When Requested" means at any time the Gulf Supervisor can, may, or will require the equipment to be installed during operations.

Rotating Bowl to be installed

2000-3000 PSI WORKING PRESSURE BOP HOOK-UP FOR LARGE CASINGS

SPECIFY WORKING PRESSURE

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 preventers 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 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 2 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 shall be sufficient to close all the pressure-operated devices simultaneously within 19 seconds; 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 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 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 No. 38 hydraulic oil, an equivalent or better, 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. Easy 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 stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derrick substructure. All other valves shall be equipped with handles.

W MEXICO OIL CONSERVATION COMM ON

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	Lease	Well No.
GULF OIL CORPORATION	LEA VF. STATE	4

Unit Letter	Section	Township	Range	County
L	16	14 SOUTH	33 EAST	LEA

Actual Footage Location of Well:
660 feet from the WEST line and 2310 feet from the SOUTH line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
4227.8	Penn	Saunders Permo Upper Penn	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

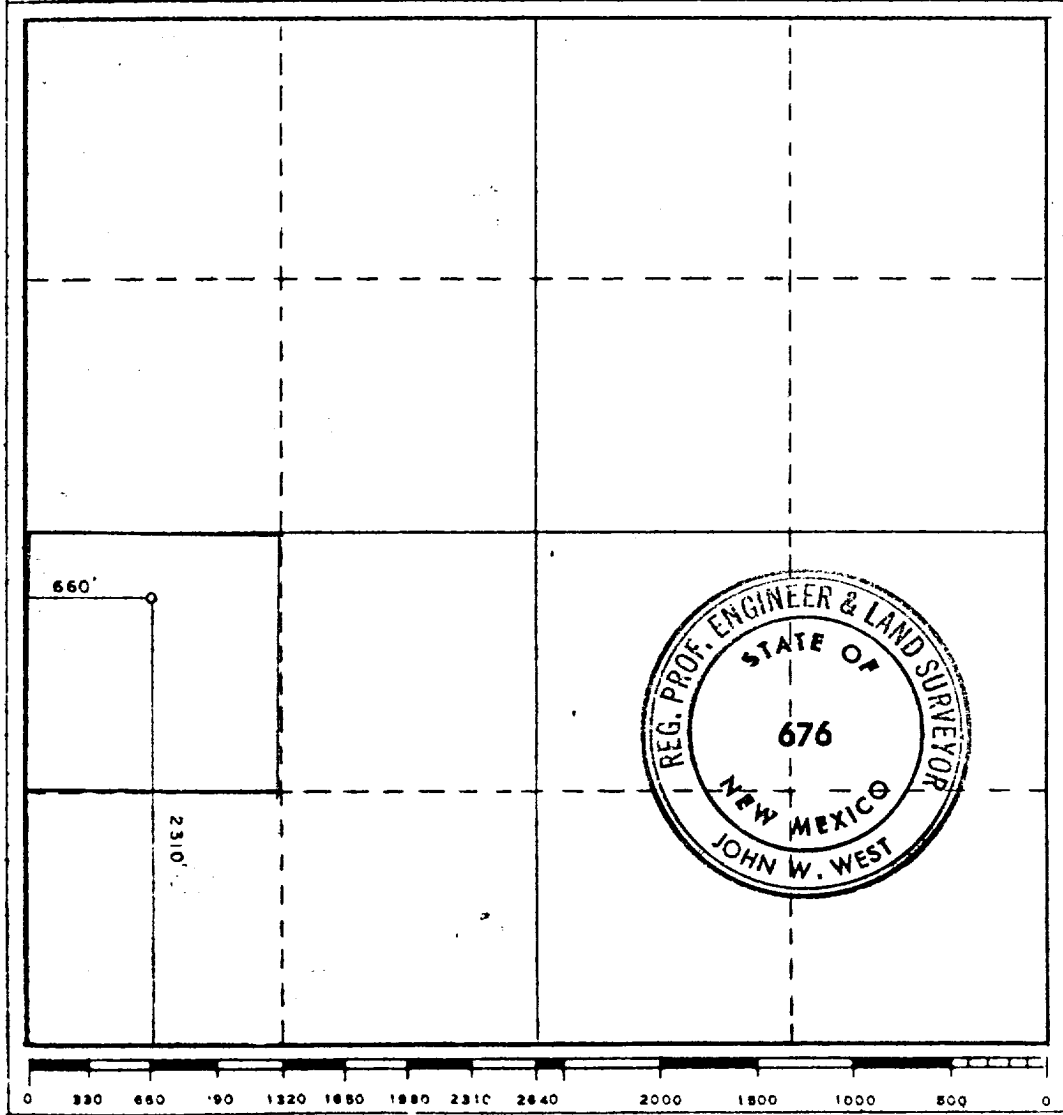
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

J. R. Matthews

Name: Area Drilling Supt.

Position

Company: GULF OIL CORP.

Date: 11-10-83

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: NOVEMBER 8, 1983

Registered Professional Engineer and/or Land Surveyor

John W. West

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