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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-4-65

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"/>		8. Farm or Lease Name H.T. Mattern (NCT-E)
2. Name of Operator Gulf Oil Corporation		9. Well No. 14
3. Address of Operator P.O. Box 670 Hobbs NM 88240		10. Field and Pool, or Wildcat Drinkard
4. Location of Well UNIT LETTER A LOCATED 430 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE OF SEC. 12 TWP. 22S RGE. 36E NMPM		11. Field and Pool, or Wildcat UNDESIGNATED
		12. County Lea
		13. Proposed Depth 6800
		14. Formation Drinkard
		15. Rotary or Rotary
16. Elevations (Show whether DF, RT, etc.) GLE: 3456.9		17. Kind & Status Plug Bond BLANKET
		18. Drilling Contractor UNKNOWN
		19. Approx. Date work will start January 18

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 7/8"	11 3/4"	42	400	350 #3	Circ
11"	8 5/8"	24 + 32	2700	1700 #3	Circ
7 7/8"	5 1/2"	15.5	TD	1000 #3	Re back to intermediate

MUD PROGRAM:

0-400 FW Spud
400-2700 Saturated Brine
2700-TD FW - Cut brine 8.4-9.2 29-32 vis to 20 cc WL

130 PSI. see attached 2000 psi WP drawing

Permit Expires 6 Months From Approval
Date 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.

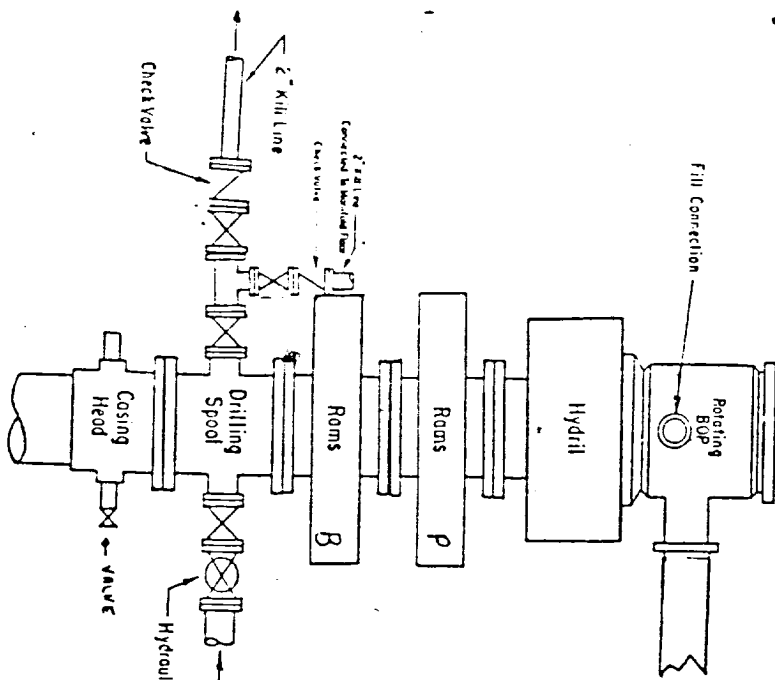
Signed R.C. Gunden Title AREA PROD MGR Date 1-4-85

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT SUPERVISOR TITLE _____ DATE JAN 14 1985

CONDITIONS OF APPROVAL, IF ANY:



Blowout Preventer Assembly

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 longest outlet 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.

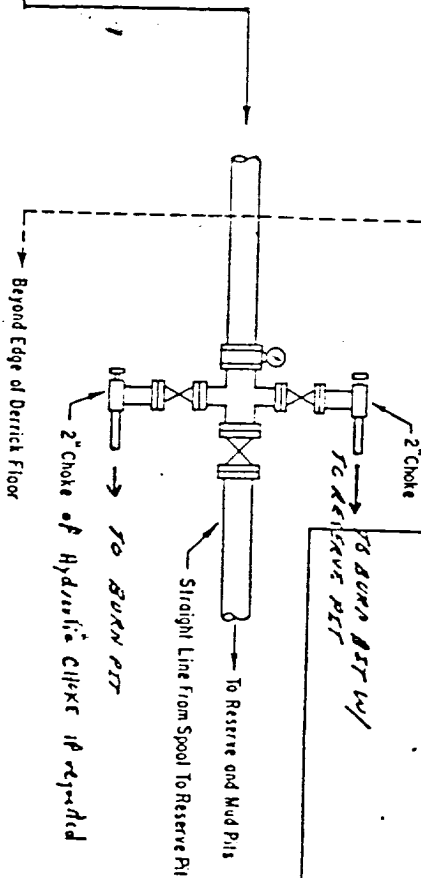
Minimum operating equipment for the preventers and hydraulically operated valves shall be as follows: (1) multiple pump, driven by a continuous source of power, capable of fluid charging the total accumulator volume from the nitrogen precharge pressure to its rated pressure within 2 minutes. Also, the pumps are to be connected to the hydraulic operating system which is to be a closed system. (2) 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 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. Top and side 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 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 shall be equipped with handles.

ADDITIONS - DELETIONS - CHANGES SPECIFY

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



NEW MEXICO OIL CONSERVATION COMMISSION
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

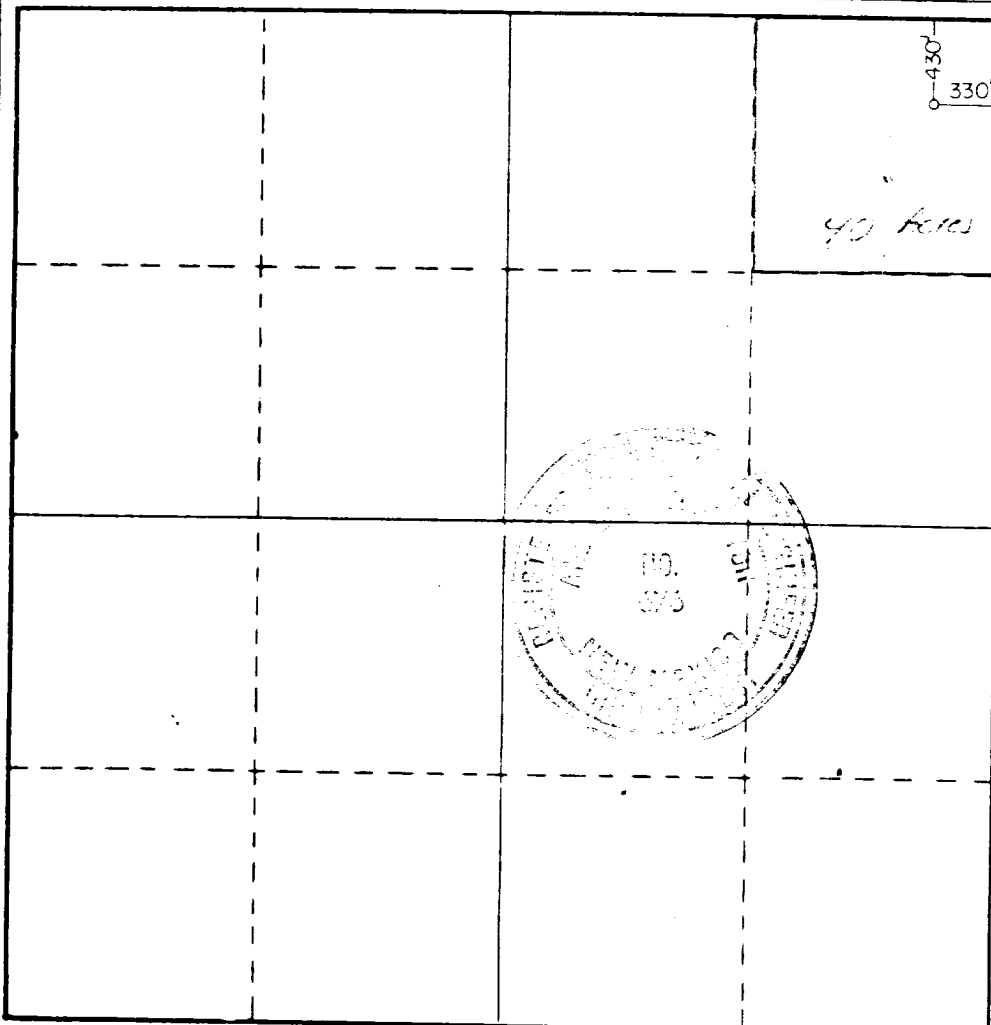
Operator GULF OIL CORP.		Lease HT MATERN NCT-E		Well No. 14
Unit Letter A	Section -12	Township 22S	Range 36E	County LEA
Actual Footage Location of Well: 430 feet from the NORTH line and 330 feet from the EAST line				
Ground Level Elev. 3456.9	Producing Formation Bakken	Pool A. Bakken	Dedicated Acreage: 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.

John W. West
Name

Lamar Ponder
Position

Drlg Engr
Company

Gulf Oil
Date

1-4-85

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

1/3/85

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST, 676

RONALD J. EIDSON 3239

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900

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JAN 10 1985

O.C.D.
HOBBS OFFICE

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