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# NEW MEXICO OIL CONSERVATION COMMISSION

30-025-28416  
Form O-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
LG-322	

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

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name	
2. Name of Operator		9. Well No.	
GULF OIL CORPORATION		3	
3. Address of Operator		10. Field and Pool, or Wellcat	
P.O. Box 670 HOBBS, NEW MEXICO		Saunders Permian <sup>upper Penn</sup>	
4. Location of Well		12. County	
UNIT LETTER K LOCATED 1980 FEET FROM THE WEST LINE		LEA	
AND 1980 FEET FROM THE SOUTH LINE OF SEC. 16 TWP. 14S RGE. 33E NMPM			
19. Proposed Depth		19A. Formation	20. Rotary or D.T.
10,200		PERMO-PENN	ROTARY
21. Elevations (Show whether DT, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
4220.7 GLE	BLANKET	GULF #4	OCTOBER 10 '83

### 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 <sup>#</sup>	400	~ 500	SURFACE
12 1/4	8 5/8	32 <sup>#</sup>	4200	~ 1200	TIE BACK TO 400'
7 1/8	5 1/2	17 <sup>#</sup> -20 <sup>#</sup>	10,200	~ 1000	~ 5000'

### DRILLING PROGRAM:

0-400' FW SPUD MUD 8.6-8.8 pp<sub>g</sub> 9.0 pH 32-34 vis  
 400'-4200' SATURATED SALT SYSTEM 9.8-10.2 pp<sub>g</sub> 7.0 pH 29-34 vis  
 4200'-10,200' CUT BRINE SYSTEM 9.3-9.8 pp<sub>g</sub> 8.0 pH 29-33 vis

BOP PROGRAM: DRAWING #2 3000<sup>#</sup> LWP

APPROVAL VALID FOR 180 DAYS  
 PERMIT EXPIRES 4-4-84  
 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 L.C. Anderson Title AREA PRODUCTION MGR Date 9-30-83

(This space for State Use)

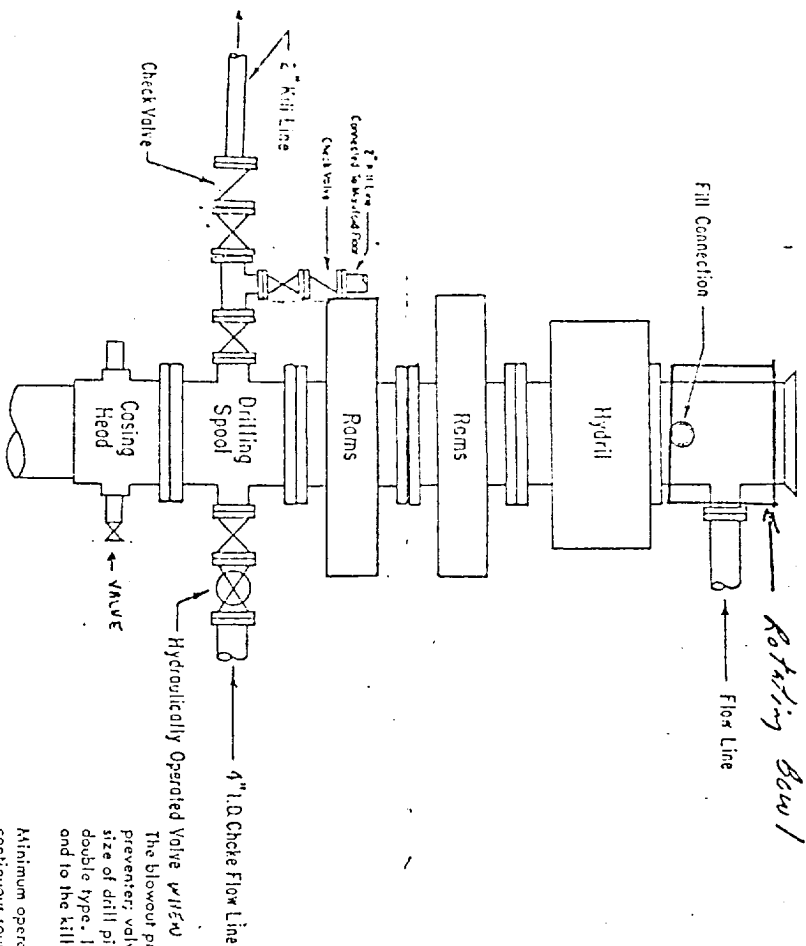
ORIGINAL SIGNED BY EDDIE SEAY

OCT 4 1983

APPROVED BY OIL & GAS INSPECTOR TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED  
OCT 3 1983  
C.C.D.  
HOBBS OFFICE



#### Blowout preventer assembly shall consist of one blind ram preventer and one pipe ram preventer, both hydraulically operated, a hydril preventer, valves, checkers 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 L.D. choke flow line and to the kill line. The substructure height shall be sufficient to install a rotating blowout preventer.

The blowout preventer assembly shall consist of one blind ram preventer and one pipe ram preventer, both hydraulically operated, a hydril preventer, valves, checkers 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 L.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 1/4 seconds, after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume of less than 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. 35 hydraulic oil, or 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. Every 6 feet 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 line 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 System can, may, or will require the equipment to be installed during operations.

Rotating Bowl to be indicated

To BOPN PIT

To Reserve and Kill Pits

String Line From Spool To Reserve Pit

To BOPN PIT

2" Choke of Hydraulic Choke if required

Beyond Edge of Derrick Floor

NEW MEXICO OIL CONSERVATION COMMISSION  
WE 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 <b>GULF OIL CO.</b>		Lease <b>LEA VF STATE</b>		Well No. <b>3</b>
Unit Letter <b>K</b>	Section <b>16</b>	Township <b>14 SOUTH</b>	Range <b>33 EAST</b>	County <b>LEA</b>

Actual Footage Location of Well:

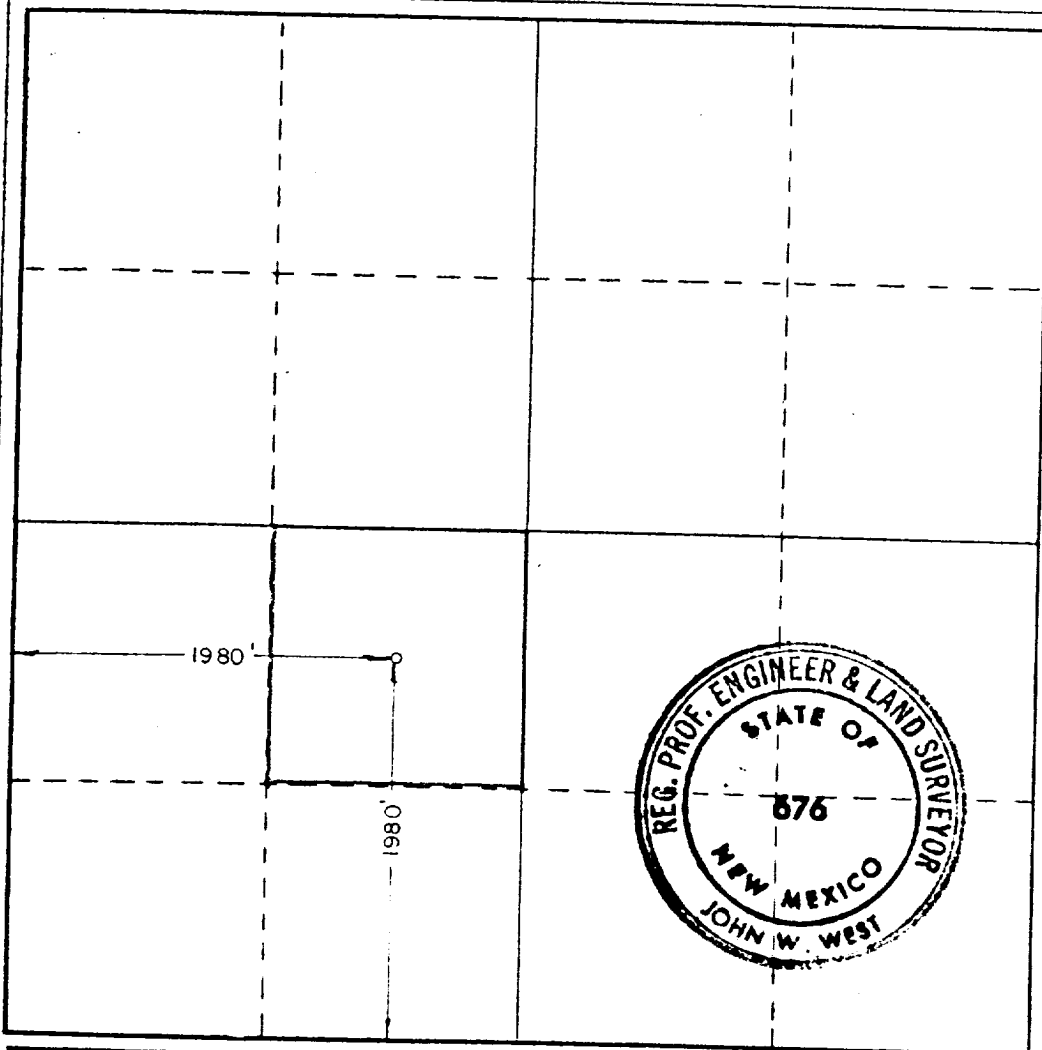
<b>1980</b>	feet from the <b>WEST</b>	line and	<b>1980</b>	feet from the <b>SOUTH</b>	line
Ground Level Elev. <b>4220.7</b>	Producing Formation <i>Perrino Penn</i>	Pool <i>Shunder</i>	<i>Perrino upper Penn</i>	Dedicated Acreage: <b>40</b>	Acres

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.

*L.C. Anderson*

Name

*R.C. ANDERSON*

Position

*AREA PRODUCTION MGR*

Company

*GULF OIL CORP*

Date

*9-30-83*

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.

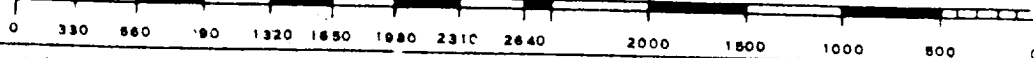
*John W. West*

Date Surveyed

**SEPTEMBER 29, 1983**

Registered Professional Engineer and/or Land Surveyor

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



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