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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE  FEDERAL

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input type="checkbox"/> DEEPEN <input checked="" 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 checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. Farm or Lease Name H. T. Mattern (NCT-B)
2. Name of Operator Gulf Oil Corporation			9. Well No. 18
3. Address of Operator Box 670, Hobbs, New Mexico 88240			10. Field and Pool, or Well Unit Blinebry
4. Location of Well UNIT LETTER 0 LOCATED 510 FEET FROM THE South LINE AND 2310 FEET FROM THE East LINE OF SEC. 30 TWP. 21-S RGE. 37-E NMPM			12. County Lea
19. Proposed Depth 6800'		19A. Formation Drinkard	20. Rotary or C.T. Reverse Unit
21. Elevations (Show whether DF, RT, etc.) 3497' GL	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor	22. Approx. Date Work will start March 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11"	8-5/8"	24#	1207'	400 sacks (Circulated)	
7-7/8"	5-1/2"	14#	5761'	645 sacks (TOC at 2266')	
4-3/4"	4"	11.60#	6800'	100 sacks	

Plans have been made to squeeze Blinebry perforations, drill deeper and complete in Drinkard as follows: Pull producing equipment. Squeeze Blinebry perforations 5527' to 5670' with approximately 50 sacks of cement. WOC 18 hours. Test squeezed perforations with 500#, 30 minutes. Clean out to total depth at 5761' and drill 4-3/4" hole to approximately 6800'. Run 4" OD 11.60# J-55 liner and set on bottom with top at approximately 5690'. WOC 24 hours. Test liner with 1,000#, 30 minutes. Perforate Drinkard zone in 4" liner with 4, 1/2" JHPF in the approximate interval 6480' to 6730'. Run treating equipment and treat new perforations with 2,000 gallons of 15% NE acid. Swab and clean up. Frac new perforations with 16,000 gallons of gel brine and 40,000 gallons containing 1 to 2# SPG. Flush with brine water. Pull treating equipment. Run 4" packer on 2-3/8" tubing and set packer at approximately 5720'. Swab and clean up and place well on production.

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 D. F. Berlin Title Area Engineer Date February 27, 1976

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: