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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

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 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 type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name <b>Mark Owen</b>	
2. Name of Operator <b>Gulf Oil Corporation</b>		9. Well No. <b>4</b>	
3. Address of Operator <b>Box 670, Hobbs, New Mexico 88240</b>		10. Field and Pool, or Wildcat <b>Drinkard</b>	
4. Location of Well UNIT LETTER <b>J</b> LOCATED <b>2068</b> FEET FROM THE <b>South</b> LINE AND <b>2068</b> FEET FROM THE <b>East</b> LINE OF SEC. <b>34</b> TWP. <b>21-S</b> RGE. <b>37-E</b> NMPM		12. County <b>Lea</b>	
19. Proposed Depth <b>6490'</b>		19A. Formation <b>Drinkard</b>	
20. Rotary or C.T. <b>Reverse Unit</b>			
21. Elevations (Show whether DF, RT, etc.) <b>3428' GL</b>		22. Approx. Date Work will start <b>December 5, 1973</b>	

## 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#	308'	300 sacks (Circulated)	
12-1/4"	9-5/8"	36#	2900'	1300 sacks (TOC at 2395')	
8-3/4"	7"	23#	6500'	700 sacks (TOC at 2910')	

Plans have been made to complete in Drinkard as follows: Pull producing equipment. Clean out to TD at 6584'. Plug back with sand from TD in open hole at 6584' to approximately 6490', inside 7" casing at 6500'. Perforate additional Drinkard zone in 7" casing at approximately 6350' to 6470'. Run treating equipment. Treat new perforations and old Drinkard perforations 6475' to 6485' with approximately 35,000 gallons of gel water and 2000 gallons of 15% NE acid. Flush with 1600 gallons of gel water. Pull treating equipment. Run packer on 2-3/8" tubing and set packer at approximately 6300'. Swab and clean up and return well to production.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 3-3-74

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 K. J. Brzezale Title Area Engineer Date November 30, 1973  
(This space for State Use)

APPROVED BY [Signature] TITLE  DATE   
CONDITIONS OF APPROVAL, IF ANY: