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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-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.	
E-3480-1	

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

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> 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 R. E. Cole (NCT-A)	
2. Name of Operator Gulf Oil Corporation		9. Well No. 13	
3. Address of Operator P. O. Box 670, Hobbs, NM 88240		10. Field and Pool, or Wildcat Cary Montoya	
4. Location of Well UNIT LETTER <u>0</u> LOCATED <u>910</u> FEET FROM THE <u>South</u> LINE AND <u>2130</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>16</u> TWP. <u>22S</u> RGE. <u>37E</u> NMPM		12. County Lea	
19. Proposed Depth		19A. Formation	20. Rotary or C.T.
21. Elevations (Show whether DT, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
No New Casing					

POH with production equipment. Set cement retainer at 7120'; test tubing 5000#. Mix 100 sacks Class "C" with Halad-9; squeeze off 7170'-7204'. Reverse excess cement. Drill up cement retainer and cement; clean out to 7300'. Test squeezed perfs 1000#. Perf 7244-46', 7258-60', 7274-76' with (2) 1/2" JHPF (12 holes). Spot 15% NEFE HCL 7276'-7225'. Acidize with 3000 gals 28% NEFE slick HCL, drop (12) 7/8" RCNB's. Set RBP at 2100', place 10' frac sand on RBP; test casing 750#. Circulate hole. Perf 1175' with (2) 1/2" JH 180 phase. Establish circulate down 5 1/2" casing and up 8-5/8" casing. Set cement retainer at 1250'. Pump fresh water, caustic water and 150 sacks Class "C" with 4% gel with 50 sacks Class "C" neat. Circulate cement, close surface casing valve and squeeze remaining cement. Reverse excess cement. Drill cement retainer and cement; test casing 750#. Wash sand off RBP and POH. Run tubing as before but with bottom of tubing at 7300'; set tubing anchor catcher. Run rods and pump; hang off.

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. D. Pite Title Area Engineer Date 12-14-81

(This space to be signed by)

Jerry Sexton

APPROVED BY Dist. 1, Supv. TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

DEC 15 1981