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NEW MEXICO OIL CONSERVATION COMMISSION

AUG 15 1 35 PM '68

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.
OG 5791

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 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 Murphy - State "B"	
2. Name of Operator Cayman Corporation		9. Well No. 2	
3. Address of Operator P. O. Box 2099, Palos Verdes Peninsula, California 90274		10. Field and Pool No. Which UNDESIGNATED	
4. Location of Well UNIT LETTER 0 LOCATED 660 FEET FROM THE South LINE 1980 FEET FROM THE East LINE OF SEC. 7 TWP. 10S RGE. 34E NMPM		12. County Lea	
19. Proposed Depth 10,000		19A. Formation Bough	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 4210.8	21A. Kind & Status Plug. Bond Statewide	21B. Drilling Contractor Cactus Drilling Corp.	22. Approx. Date Work will start 8-16-68

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	375	400	Circulated
11	8-5/8	24	3950	350	2500
7-7/8	5-1/2	17	9900	300	8250

We propose to drill a 17-1/2 inch hole to 375 feet, set and cement 375 feet of 13-3/8 inch surface casing, drill a 11-1/4 inch hole to approximately 3950 feet, set and cement 8-5/8 inch intermediate casing at 3950, allow 18 hours for the cement to set, and check for water shut-off. We will then proceed to drill a 7-7/8 inch hole through the Bough "C" formation or to approximately 10,000 feet, evaluate all possible productive horizons with electric logs, and if commercial production is indicated, set and cement 5-1/2 inch casing, perforate and test.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED

Nov. 14, 1968

APPROVAL WITH CIRCULATED
CASPING PRIOR TO PUMPING 13 3/8

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 W. Godrich Title Engineer Date 8-14-68

(This space for State Use)

APPROVED BY Leslie A. Clements TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: