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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 checked="" type="checkbox"/> DEEPEN <input 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 Mary Love
2. Name of Operator Helmerich & Payne, Inc.		9. Well No. 1
3. Address of Operator Utica at Twenty-First, Tulsa, Oklahoma 74114		10. Field and Pool, or Wildcat Wildcat
4. Location of Well UNIT LETTER D LOCATED 990 FEET FROM THE North LINE AND 330 FEET FROM THE West LINE OF SEC. 6 TWP. 14S RGE. 38E NMPM		12. County Lea
19. Proposed Depth 13,000		19A. Formation Siluro-Devonian
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DE, RT, etc.) 3824' Ground Level		21A. Kind & Status Plug. Bond Single Well
21B. Drilling Contractor Not selected at this time		22. Approx. Date Work will start September 15, 1967

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#	350	300	Circ
11"	8-5/8"	32#-36#	4650	700	2500'
7-3/4"	5-1/2"	17# & 20#	12,800	1,000	7500'

Drill 17-1/2" hole to 350 feet. Set 13-3/8" casing at 350 feet with cement circulated to surface. Drill 11" hole to 4650 feet and run electric logs. Set 8-5/8" OD intermediate casing at 4650 feet with 700 sacks cement. Drill 7-3/4" hole to 12,800 feet testing shows of oil and gas. Run electric logs. Run 5-1/2" casing if producer and cement with 1000 sacks. Primary producing objective is the Siluro-Devonian. Blowout preventer program -- 12" series 900 double stack with Hydril from surface to 4650 feet - 10" series 900 double stack with Hydril from 4650 feet to total depth.

THE COMMISSION MUST BE NOTIFIED
24 HOURS PRIOR TO RUNNING
CASING.

FOR
1 RPL
EXPIRES 12-12-67

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. G. Gub Title **Vice President** Date **September 18, 1967**

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: