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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. <b>K-4551</b>	

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

1a. Type of Work b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> 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"/>		7. Unit Agreement Name	
2. Name of Operator <b>Stallworth Oil &amp; Gas</b>		8. Farm or Lease Name <b>Maralo-State</b>	
3. Address of Operator <b>407 West Missouri Avenue, Midland, Texas 79701</b>		9. Well No. <b>1</b>	
4. Location of Well UNIT LETTER <b>B</b> LOCATED <b>660</b> FEET FROM THE <b>North</b> LINE AND <b>1980</b> FEET FROM THE <b>East</b> LINE OF SEC. <b>22</b> TWP. <b>17-S</b> RGE. <b>37-E</b> NMPM		10. Field and Pool, or Wildcat <b>Wildcat</b>	
		12. County <b>Lea</b>	
		19. Proposed Depth <b>12,000</b>	
		19A. Formation <b>Morrow</b>	
		20. Rotary or C.T. <b>C.T. &amp; Rotary</b>	
21. Elevations (Show whether DF, RT, etc.) <b>3754' GL</b>		21A. Kind & Status Plug. Bond <b>Statewide</b>	
		21B. Drilling Contractor <b>M-G-F Drilling Co.</b>	
		22. Approx. Date Work will start <b>October 18, 1974</b>	

### 23. 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"	54.5#	400'	400	Surface
12-1/4"	9-5/8"	36 & 40#	4,550'	400	3300'
7-7/8"	5-1/2"	17#	12,000'	500	8500'

The well will be drilled with rotary tools using water to 7900' and mud to total depth.

A blowout preventer stack will be installed on the 9-5/8" intermediate casing prior to drilling out with a 7-7/8" bit at 4550'. The surface and intermediate strings will be pressure tested prior to drilling out.

Anticipated depth of the Morrow Formation is 11,800'. The 5-1/2" casing will be perforated and stimulated with acid as conditions warrant. Surface formation is Quaternary Age Sandstone.

No coring is anticipated. Several drill stem tests are planned.

Logs will be open hole Gamma/Acoustic, Laterolog and Microlaterolog.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE PRESENT PRODUCTION AND PROPOSED NEW PRODUCTION 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 Murray E. Helmers Title Production Manager Date September 9, 1974

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT I DATE SEP 11 1974

CONDITIONS OF APPROVAL, IF ANY: