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NEW MEXICO OIL CONSERVATION COMMISSION
MAR 21 1978

O. C. C.
ARTESIA, OFFICE

30-015-22468
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-9189	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work		7. Unit Agreement Name	
2. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name	
DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		State "18" Comm.	
3. Name of Operator		9. Well No.	
Southland Royalty Company		1	
4. Address of Operator		10. Field and Pool, or Well Unit	
1100 Wall Towers West, Midland, TX 79701		Undesignated (Morrow)	
5. Location of Well		11. County	
UNIT LETTER K LOCATED 1810 FEET FROM THE south LINE		Eddy	
AND 1980 FEET FROM THE west LINE OF SEC. 18 TWP. 19-S RGE. 28-E NADOM			
12. Proposed Depth		19A. Formation	
11,200'		Morrow	
20. Rotary or C.R.			
Rotary			
13. Elevations (show whether DT, RT, etc.)		21A. Kind & Status Plug. Bond	
3508.5' GR		Blanket	
21B. Drilling Contractor		22. Approx. Date Work will start	
Hondo Drlg. Co. Rig #5		March 24, 1978	

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#	425	425	Circ.
11"	8 5/8"	24#	2,450	800	Circ.
7 7/8"	4 1/2"	11.6#	11,200'	1250	7000'

Propose to set 13 3/8" csg @ 425', circ cement. Set 8 5/8" into San Andres, circ cement. Drill to TD of 11,200' to test Morrow and intermediate zones. If commercial, will run 4 1/2" casing to TD, cement w/sufficient cement to bring cement back to 7000'. Will run cement staging tool @ 9900' to obtain better cement job if intermediate horizons productive. Perforate and stimulate Morrow.

Mud Program: 0-425' spud mud; 425-2450' brine water; 2450-7500' fresh water, 7500-9500' cut brine water and gel 9.3, Vis 30; 9500-11,200' TD starch, gel, Flosal, Drispac, 9.5# to 9.8#, Vis 36-40, WL 3-4 cc through Morrow, no abnormal pressures are expected.

BOP Program: BOP will be installed on 13 3/8" double 10" Ser 900. BOP installed on 8 5/8" casing; double 10" Ser 900 plus 10" Ser 900 Hydril. BOP to be tested daily.

GAS IS NOT DEDICATED

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 Donald R. Craig Title Petroleum Engineer Date March 20, 1978

(This space for State Use)

APPROVED BY: Mr. Williams TITLE OIL AND GAS INSPECTOR

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to
surface behind 8 5/8" 13 3/8" casing

APPROVAL VALID MAR 23 1978
FOR 90 DAYS UNLESS
DRILLING COMMENCED.

EXPIRES 6/22/78