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DISTRIBUTION		
SANTA FE	1	
PILL	1	
U.S.G.S.	2	
LAND OFFICE	1	
OPERATOR	1	

NEW MEXICO OIL CONSERVATION COMMISSION

30-015-22955
Form C-101
Revised 1-1-65

JUL 5 1979

O. C. C.
ANTERIAL OFFICE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of work DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5A. Indicate Type of Lease STATE ☒ FEE ☐	
b. Type of Well OIL ☐ GAS ☒ OTHER ☐		6. State Oil & Gas Lease No. 648	
c. Name of Operator Southland Royalty Company		7. Unit Agreement Name	
d. Address of Operator 1100 Wall Towers West, Midland, Texas 79701		8. Firm or Lease Name State "G" Com.	
e. Location of Well UNIT LETTER E LOCATED 1980 FEET FROM THE north LINE 660 FEET FROM THE west LINE OF SEC. 24 TWP. 19S RGE. 27E		9. Well No. 1	
10. Field and Pool, or Willcut Undesignated (Morrow)		11. County Eddy	
13. Proposed Depth 11,200'		14. Formation Morrow	
15. Kind & Status Plug. Bond Blanket		16. History or C.R. Rotary	
17. Approximate location (whether DE, RT, etc.) 3462.6' GR		18. Drilling Contractor Hondo Drlg. Co.	
19. Approx. Date Work will start 7-15-79		20. Rig #3	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	11 3/4"	42#	325'	375	Circ.
11"	8 5/8"	24#	2425'	1200	Circ.
7 7/8"	4 1/2"	11.6#	11,200'	800	9000'

Set surface casing @ 325' at T/salt, circ. cement. Drill 11" hole w/brine wtr. to prevent washout to 2425'. Run 8 5/8" csg to 2425', circ. cement. Drill 7 7/8" hole w/fresh wtr to 7500'. Add brine wtr. to raise mud wt. Drill to TD of 11,200' to test Morrow and intermediate horizons. If commercial will run 4 1/2" csg. to TD. Cement w/sufficient cement volume to bring cement above all prospective zones. Estimated T/cement @ 900'. Perf and stimulate Morrow for production.

Mud Program: 0-325' spud mud; 325-2425' 10# brine water 2425-7500' fresh water; 7500-9500' 9.5# cut brine water; 9500-TD starch, gel, flosal, Drispac 10.0# vis 30-40 wl 6 cc through Morrow. Bottom hole pressure @ TD anticipated to be 4500 psi. No abnormal pressures expected. Gas separator on mud system to be installed @ 4000'. BOP Program: BOP to be installed on 11 3/4" csg: double 10" Ser 900. BOP to be installed on 8 5/8" csg: double 10" Ser 900 plus Ser 900 Hydril plus Drlg. Head-Test w/Yellow Jacket, Inc. after setting 8 5/8" csg. Test BOP daily.

GAS IS NOT DEDICATED.

APPROVAL AND
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

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.

EXPIRES 10/6/79

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed C. H. Hume Title District Engineer Date 7-3-79

(This space for State Use)

OIL AND GAS INSPECTOR

JUL 6 1979

APPRO. M. Williams TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to
surface behind 11 3/4" + 8 5/8" casingNotify N.M.O.C.C. in sufficient
time to witness cementing
the 8 5/8" casing