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NEW MEXICO OIL CONSERVATION COMMISSION

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O. C. C.
ARTESIA, OFFICE

30-015-22380

Form C-101
Revised 1-1-65

5A. Indicate Type of Location
STATE ☒ FEE ☐
5. State Oil & Gas Location No.
L-6654

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. First Agreement State	
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐ OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		8. Firm or Lease Name State "19" Comm.	
2. Name of Operator Southland Royalty Company		9. Well No. 1	
3. Address of Operator 1100 Wall Towers West Bldg., Midland, TX 79701		10. Field and Pool, or Unit Undesignated (Morrow)	
4. Location of well UNIT LETTER <u>F</u> LOCATED <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>2043</u> FEET FROM THE <u>west</u> LINE OF SEC. <u>19</u> TWP. <u>19-S</u> RGE. <u>28-E</u> NMPM		11. County Eddy	
21. Elevations (Show whether Dr., RI, etc.) 3508.2' GR		22. Proposed Depth 11,200'	23. Formation Morrow
24. Kind & Status Plug, Bond Blanket		25. Drilling Contractor Hondo Drlg.Co. Rig #3	26. Rotary or C.R. Rotary
27. Approx. Date Work will start 12-15-77			

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#	* 4253' 3/4"	350	Circ.
11"	8 5/8"	24#	2,450'	1000	Circ.
7 7/8"	4 1/2"	11.6#	11,200'	1400	7000'

Propose to set 13 3/8" csg. @ 375', circ cement. Set 8 5/8" into San Andres. Circ cement back to surface. Drill to T.D. of 11,200' to test Morrow and intermediate horizons. If commercial will run 4 1/2" casing, cement w/sufficient volume to bring cement back to 7000'. Perforate and stimulate for production.

Mud Program: 0-375' spud mud; 375-2450' brine water, paper; 2450-7500' fresh water, 7500-9500' cut brine water and gel 9.3#, Vis 30; 9500-11,200' T.D. starch, gel, Flosal, Drispac 9.5 to 9.8#, Vis 36-40, WL 3-4. No abnormal pressures are expected.

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

GAS IS NOT DEDICATED.

APPROVAL TO BE TESTED
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

3-15-78

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION, PROPOSED DEPTH, PROPOSED CASING AND CEMENT PROGRAM, IF ANY.

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

Signed C. Harvey Title District Engineer Date December 9, 1977

(This space for State Use)

APPROVED BY W.A. Gressitt TITLE SUPERVISOR, DISTRICT II DATE DEC 15 1977

CONDITIONS OF APPROVAL, IF ANY:

* as noted above