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NEW MEXICO OIL CONSERVATION COMMISSION

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JUN 25 1979

O. C. C.
ARTESIA, OFFICE

20-015-22948
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE ☒	FEE ☐
5. State Oil & Gas Lease No.	
L-6957	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐ C/OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		8. Farm or Lease Name State "2" Com.	
2. Name of Operator Southland Royalty Company		9. Well No. 1	
3. Address of Operator 1100 Wall Towers West, Midland, Texas 79701		10. Field and Pool, or Willam Undesignated (Morrow)	
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>1980</u> FEET FROM THE <u>east</u> LINE OF SEC. <u>2</u> TWP. <u>20S</u> RGE. <u>27E</u> NMPM		11. County Eddy	
18. Proposed Depth 11,300'		19A. Formation Morrow	
19B. Kind of States Plug Head Blanket		20. Approx. Date Work will start 7-1-79	
21. Drilling Contractor Hondo Drlg. Co. Rig 5		22. Approx. Date Work will start 7-1-79	
23. Elevation (show whether DR, RL, etc.) 3343.2' GR		24. Kind of States Plug Head Blanket	

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#	350'	400	Circ.
11"	8 5/8"	24#	2500'	1200	Circ.
7 7/8"	4 1/2"	11.6#	11,300'	800	

Set surface casing @ 350' at T/salt; circ. cement. Drill 11" hole w/brine wtr. to prevent washout to 2500'. Run 8 5/8" csg. to 2500', circ. cement. Drill 7 7/8" hole w/fresh water to 7500'. Add brine wtr. to raise mud wt. Drill to TD of 11,300' 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 @ 9000'. Perf and stimulate Morrow for production. Mud Program: 0-350' spud mud. 350-2500' 10# brine water. 2500-7500' fresh water; 7500-9500' 9.5# cut brine wtr; 9500-TD starch, gel, flosal, Drispac 10.0# vis 36-40, w/ 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 10" 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 VALID
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 PRODUCTION ZONE. GIVE BEST 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. A. Gressett Title District Engineer Date 6-21-79

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUN 27 1979

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to
surface behind 11 3/4" casing

Notify N.M.O.C.C. in sufficient
time to witness cementing

8 5/8"