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NEW MEXICO OIL CONSERVATION COMMISSION

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NOV 20 1978

O. C. C.

ARTESIA, OFFICE

30-015-22747

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE ☒ FILE ☐
5. State Oil & Gas Lease No.
K-4587
7. Unit Agreement Name
-
8. Farm or Lease Name
State "14" Com.
9. Well No.
1
10. Undesignated (Turkey - Morrow)
12. County
Eddy

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work	DRILL ☒	DEEPEN ☐	PLUG BACK ☐
b. Type of Well	OIL WELL ☐	GAS WELL ☒	OTHER ☐
2. Name of Operator	Southland Royalty Company		
3. Address of Operator	1100 Wall Towers West, Midland, Texas 79701		
4. Location of Well	UNIT LETTER E	LOCATED 1980	FEET FROM THE North LINE
5. 660 FEET FROM THE West	LINE OF SEC. 14	TWP. 19-S	RGE. 29-E
19. Proposed Depth	11,700	19A. Formation	Morrow
20. Rotary or C.T.	Rotary	21. Drilling Contractor	Hondo Drilg Co. Rig #5
22. Approx. Date Work will start	12-1-78	23. Elevation (Show whether DT, RT, etc.)	3319.2' GR
24. Kind & Status Plug. Bond	Blanket	25. Drilling Contractor	Hondo Drilg Co. Rig #5

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#	300	350	Circ
11"	8 5/8"	24#	2850	1300	Circ
7 7/8"	4 1/2"	11.6#	11,700	900	8500

Set surface csg @ 300' or top of salt. Drill w/brine water 11" hole to prevent excessive wash out. Set 8 5/8" into T/San Andres. Circ cement on 8 5/8" csg. Drill 7 7/8" hole, drill w/fresh water to 7500', start cutting w/brine water to raise weight. Drill to TD to test Morrow and intermediate horizons. If commercial, will run csg to TD. Cmt w/sufficient cmt to bring cmt above all prospective zones. Estimated top of cement @ 8500'. Will run cement staging tool @ 10,000' if upper horizons potentially productive. If Morrow only prospective zone will not run cement staging tool. Perf and stimulate Morrow.

Mud Program: 0-300' spud mud, 300-2850' 10# brine wtr. 2850-7500' fresh water. 7500-9500' cut brine wtr and gel 9.2# vis 32 WL 12, 9500-TD starch, gel, flosal, Drispac 9.7# vis 36 WL 7 cc through Morrow. BOP @ TD anticipated to be 4700 psi. No abnormal pressures expected. BOP to be installed on 11 3/4" double 10" Ser. 900 plus Ser. 900 Hydril. BOP to be tested daily.

Note: GAS IS NOT DEDICATED

BOP Program:

EXPIRES 2-27-79

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 C. Harvey Can Title District Engineer Date 11/14/78

(This space for State Use)

APPROVED BY W. A. Gussert TITLE SUPERVISOR, DISTRICT II DATE NOV 27 1978

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 11 3/4" + 8 5/8" casing