

NO. OF COPIES RECEIVED	6
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	1
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

DEC 28 1978

O. C. C.
ARTESIA, OFFICE

30-015-22769
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
LG-2352

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 ☐ OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		8. Farm or Lease Name	
2. Name of Operator		9. Well No.	
Southland Royalty Company ✓		1	
3. Address of Operator		10. Field and Pool, or Willard	
1100 Wall Towers West, Midland, TX 79701		Undesignated (Morrow)	
4. Location of Well		17. County	
UNIT LETTER L LOCATED 1980 FEET FROM THE south LINE		Eddy	
AND 660 FEET FROM THE west LINE OF SEC. 24 TWP. 19-S RGE. 29-E NMPM			
19. Proposed Depth		19A. Formation	20. Rotary or C.T.
11,800'		Morrow	Rotary
21. Elevations (Show whether DE, RI, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3322.5'	Blanket	Hondo Drlg. Co. Rig#5	1-1-79

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'	400	Circ.
11"	8 5/8"	24#	3100'	1400	Circ.
7 7/8"	4 1/2"	11.6#	11,800'	800	9000'

Set surface csg @ T/salt @ 320'; circ cmt. Drill 11" hole w/brine wtr to prevent washout. Drill 11" hole to 3100'; set 8 5/8" @ 3100'. Circ cmt on 8 5/8" csg. Drill 7 7/8" hole w/fr wtr to 7500'. Add br wtr @ 7500' to raise mud wt. Drill to TD to tst Morrow & intermediate horizons. If commercial, will run csg to TD. Cmt w/sufficient cmt to bring cmt above all prospective zones. Est T/cmt @ 9000' Will run cmt staging tool @ 10,000'+ & use more cmt if intermediate horizons indicate to be productive. Perf & stim Morrow for production. Mud Program: 0-325' spud mud; 325-3100' 10# br wtr; 3100-7500' fr wtr; 7500-9500' cut br wtr, gel 9.4#, vis 35; 9500'-TD starch, gel, flosal, Drispac 9.8#, vis 36-50 @ TD, WL 6 cc thru Morrow. Btm hole press @ TD anticipated to be 4700 psi. No abnormal pressures expected. BOP Program: BOP to be installed on 11 3/4", double 10" Ser 900. BOP installed on 8 5/8" double 10" Ser 900 plug Ser 900 Hydril + Drlg Head. BOP test daily.

FOR 90 DAYS UNLESS
DRILLING COMMENCED,

12-2-79

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.

EXPIRES

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

Signed C. Harney Can Title District Engineer Date 12-27-78

(This space for State Use)

APPROVED BY W. A. Grissett TITLE SUPERVISOR, DISTRICT II DATE JAN 2 1979

CONDITIONS OF APPROVAL, IF ANY:

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