

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

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

30-015-22985
Form C-101
Revised 1-4-65

AUG 13 1979

O. C. C.
ARTESIA, OFFICE

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
L-3529

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. Firm or Lease Name		
c. Name of Operator Southland Royalty Company			State "25" Com.		
d. Address of Operator 1100 Wall Towers West Midland, Texas 79701			9. Well No. 1		
e. Location of Well UNIT LETTER L LOCATED 1980 FEET FROM THE South LINE AND 2130 FEET FROM THE West LINE OF SEC. 25 TWP. 19-S R3E. 29-E NE1/4			10. Field and Pool or Wildcat Undesignated (Morrow)		
11. County Eddy			12. County Eddy		
13. Proposed Depth 12,000		14. Formation Morrow		15. Rotary or C.T. Rotary	
16. Kind & Status Plug. Bond Blanket		17. Drilling Contractor Hondo Drilling Co.		18. Approx. Date Work will start 8-15-79	
19. Test Program (show whether DF, RT, etc.) 3339.0' GR					

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#	360	425	Circ.
11"	8 5/8"	24#	3,150	1400	Circ.
7 7/8"	4 1/2"	11.6#	12,000	1000	8500

Set surface casing into T/Salt estimated to be 350' circ cement. Drill 11" hole w/brine water to prevent washout to 3150', set 8 5/8" @ 3150', circ cement. Drill 7 7/8" hole w/fresh water to 7500'. Add brine wtr @ 7500' to raise mud wt. Drill to TD of 12,000' to test Morrow and intermediate horizons. If commercial, will run csg to TD. Cement w/sufficient cement to bring cement above all prospective zones. Estimated T/cement to be 8500'. Perf and stimulate Morrow for production. Mud Program: 0-360': Spud mud; 360-3150': 10# brine water; 3150-7500: fresh water; 7500-9500': cut brine wtr, gel MW 9.4 Vis 35; 9500'-TD: starch, gel, flosal, Drispac MW 9.9 Vis 36-40 @ TD WL 6 cc thru Morrow. Bottom hole pressure @ 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 to be installed on 8 5/8": double 10" ser 900 plus 10" ser 900 Hydril plus Drlg Head. BOP to be tested daily. Test w/yellow jacket below 8 5/8"; NOTE: GAS IS NOT DEDICATED.

APPROVAL AND
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 11-17-79

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 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. Harney Carr Title District Engineer Date 8-8-79

(This space for State Use)

APPROVED BY N. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE AUG 17 1979

CONDITIONS OF APPROVAL, IF ANY:

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

Notify N.M.O.C.C. in sufficient
time to witness cementing
the 8 5/8" casing