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NEW MEXICO OIL CONSERVATION COMMISSION

JAN 30 1979

O. C. C.
ALBUQUERQUE, OFFICE

30-015-22809

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE FEE
5. State Oil & Gas Lease No.
L-1493

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name -	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Parkway-State "A" Com	
2. Name of Operator Southland Royalty Company ✓		9. Well No. 1	
3. Address of Operator 1100 Wall Towers West, Midland, TX 79701		10. Field and Pool, or Wildcat Undesignated (Morrow) x	
4. Location of Well UNIT LETTER <u>H</u> LOCATED <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>990</u> FEET FROM THE <u>east</u> LINE OF SEC. <u>15</u> TWP. <u>19-S</u> RGE. <u>29-E</u> N.M.P.M.		12. County Eddy	
19. Proposed Depth 11,700'		19A. Formation Morrow	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3324.1 GR	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Warton Drlg Co Rig #7	22. Approx. Date Work will start 1-31-79

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#	250'	400	circ.
11"	8 5/8"	24#	2825'	1200	circ.
7 7/8"	4 1/2"	11.6#	11,700'	900	8500

Set surf csg to 250' at T/salt; circ cmt. Drill 11" hole w/br wtr to prevent wash out to depth of 2825'. Set 8 5/8" csg @ 2825'; circ cmt. Drill 7 7/8" hole to 7500' w/fr wtr; add br wtr @ 7500' to raise mud wt. Drill to TD of 11,700' to tst Morrow & intermediate horizons. If commercial, will run 4 1/2" csg to TD. Cmt w/ sufficient cmt to bring cmt above all prospective zones. Estimated T/cmt @ 8500'. If intermediate horizons productive, will run cmt staging tool @ 10,000'+ & use additional cmt volumes. Perf & stimulate Morrow for production.
Mud Program: 0-250' spud mud; 250-2825' 10# br wtr; 2825-7500' fr wtr; 7500-9500' cut br wtr; 9500-TD starch, gel, flosal, Drispac 10.0#, vis 36-40, WL 6 cc through Morrow. BHP @ TD anticipated to be 4700 psi; no abnormal pressures expected.
BOP Program: BOP to be instd on 11 3/4", double 10" Ser 900. BOP to be instd on 8 5/8", double 10" Ser 900 + 10" Ser 900 Hydril + Drlg Head. Test w/ Yellow Jacket Inc. Test BOP daily. NOTE: GAS IS NOT DEDICATED.

FOR 90 DAYS UNLESS
DRILLING COMMENCED,

H-30-79

EXPIRES

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 Carr Title District Engineer Date 1-29-79

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JAN 31 1979

CONDITIONS OF APPROVAL, IF ANY: