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NEW MEXICO OIL CONSERVATION COMMISSION

JUL 8 1977

O. C. C.
ARTESIA, OFFICE

30-015-22200

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.
B-9189

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"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Featherstone-State
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)
4. Location of Well UNIT LETTER G LOCATED 1980 FEET FROM THE north LINE AND 1980 FEET FROM THE east LINE OF SEC. 20 TWP. 19-S RGE. 28-E NMPM		12. County Eddy
19. Proposed Depth 11,250		19A. Formation Morrow
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 3492' GL	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Unknown # 30
		22. Approx. Date Work will start July 15, 1977

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48#	400'	225	Circ.
12 1/4"	8 5/8"	24#	2500'	900	Circ.
7 7/8"	4 1/2"	11.6#	11,250'	900	7000'

Propose to set 13 3/8" csg. @ 400', circulate cement. Set 8 5/8" csg into top of San Andres, circ cement to surface. Drill to TD of 11,250', test Morrow and intermediate horizons. If commercial, will run 4 1/2" casing to TD, cement w/sufficient cement to bring cement back to 7000'. Perforate and stimulate for production.

Mud Program: 0-400' spud mud; 400-2500' brine water & gel; 2500-8000' fresh water & gel; 8000-10,000' cut brine water & gel 9.5#/gal.; 10,000-11,250' cut brine water & gel 9.7#/gal., vis. 45, WL 10. No abnormal pressures are expected.

BOP Program: BOP will be installed on 13 3/8" casing, 10" Ser. 900 - double BOP and 10" Ser. 900 Hydril will be installed on 8 5/8" casing. BOP will be tested 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 PRODUCTION, NEW PRODUCTION, BLOWOUT PREVENTER PROGRAM, IF ANY.

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

EXPIRES 10-8-77

Signed C. Harvey Chan Title District Engineer Date 7-7-77

(This space for State Use)

APPROVED BY Selan Gorman TITLE OIL AND GAS INSPECTOR DATE JUL 8 1977

CONDITIONS OF APPROVAL, IF ANY: