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NEW MEXICO OIL CONSERVATION COMMISSION

30-025-27377

Form C-101
Revised 1-1-65

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐		8. Firm or Lease Name Scharb "9"	
2. Name of Operator Southland Royalty Company		9. Well No. 1	
3. Address of Operator 1100 Wall Towers West Midland, Texas 79701		10. Field and Pool, or Wildcat Undesignated (Wolfcamp)	
4. Location of Well UNIT LETTER <u>D</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>9</u> TWP. <u>19-S</u> RGE. <u>35-E</u> NMPM		12. County Lea	
19. Proposed Depth 10,800		20. Rotary or C.T. Rotary	
21. Elevations (Show whether DT, RL, etc.) 3843.5' GR		22. Approx. Date Work will start May 1, 1981	
21A. Kind & Status Plug. Bend Blanket		21B. Drilling Contractor Hondo Drilling	

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#	410'	400 sxs	Circ
11"	8 5/8"	24 & 28#	4000'	1500 sxs	Circ
7 7/8"	5 1/2"	15.5 & 17#	10,800'	400 sxs	@ 8000'

Drill 15" hole to 410'. Set surface csg @ 410', Circ cmt. Drill 11" hole w/wtr to depth of 4000'. Set csg @ 4000', Circ cmt. Drill 7 7/8" hole to 7500' w/fresh wtr; add brine wtr only as needed to raise mud wt. drill to TD of 10,800' to test Wolfcamp & intermediate horizons w/shows. Run 5 1/2" csg to TD. Cmt w/sufficient volume to cover all prospective zones. Estimated top of cmt @ 8000'. Perf & stimulate Wolfcamp for production.

MUD PROGRAM: 0-410', spud mud; 410-4000', brine wtr; 4000-7500', fresh wtr; 7500-8500', cut brine wtr; 9500-TD, starch, gel, drispac, Vis 40, 10 cc wtr loss thru Wolfcamp.

BHP @ TD anticipated to be 4600 psi. No abnormal pressures expected.

BOP PROGRAM: BOP to be tested after installation of 8 5/8" csg by Yellow Jacket, Inc.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 10/22/81
UNLESS DRILLING UNDERWAY

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 [Signature] Title District Operations Engineer Date 4/20/81

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 1 DATE 5/20/81

CONDITIONS OF APPROVAL, IF ANY:

BLOWOUT PREVENTERS WILL BE REQUIRED AFTER SURFACE PIPE IS SET