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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
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 DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Scharb "9"	
2. Name of Operator Southland Royalty Company		9. Well No. 2	
3. Address of Operator 21 Desta Drive, Midland, Texas 79702		10. Field and Pool, or Wildcat Scharb (Bone Springs)	
4. Location of Well UNIT LETTER <u>F</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>9</u> TWP. <u>19S</u> RGE. <u>35E</u> NMPM		12. County Lea	
19. Proposed Depth 10,000'		19A. Formation Bone Springs	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3825.7' GR	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor Unknown	
22. Approx. Date Work will start 5/1/83			

## 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#	420'	500 sx.	Circ.
12 1/4"	8 5/8"	28 & 24#	4000'	2070 sx.	Circ.
7 7/8"	5 1/2"	17 & 15.5#	10,000'	500 sx.	TOC @ 7000'.

Drill 17 1/2" hole to 420'. Set 13 3/8" csg @ 420'. Cmt w/500 sx cmt & circ. Drill 12 1/4" hole to 4000'. Set 8 5/8" csg @ 4000'. Cmt w/2070 sx & circ. Drl 7 7/8" hole to TD of 10,000'. Set 5 1/2" csg @ 10,000'. Cmt w/sufficient volume to cover all prospective zones. Estimated top of cmt @ 7000'. Perf & stimulate Bone Springs for production.

MUD PROGRAM: 0-420 Spud mud; 420-4000' Brine wtr; 4000-9000' Fresh wtr; 9000-TD Fresh gel, Drispac. MW 8.6-8.9, VIS 36-40, 10-15 cc. BHP @ TD anticipated to be 4600 psi. No abnormal pressures expected.

BOP PROGRAM: BOP to be tested after each new installation and after setting 8 5/8" csg by Yellow Jacket, Inc. Test BOP @ 6500' and 9500'.

GAS NOT DEDICATED.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 10/14/83  
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 F. N. Rad Title District Operations Engineer Date 4/12/83

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE  DATE APR 14 1983

CONDITIONS OF APPROVAL, IF ANY:

APR 13 1983  
FBI  
FBI OFFICE