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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 OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name	
DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		Smith "5"	
2. Name of Operator		9. Well No.	
Southland Royalty Company		4	
3. Address of Operator		10. Field and Pool, or Wildcat	
21 Desta Drive, Midland, Texas 79705		Scharb (Bone Springs)	
4. Location of Well		12. County	
UNIT LETTER I LOCATED 2149 FEET FROM THE South LINE		Lea	
AND 700 FEET FROM THE East LINE OF SEC. 5 TWP. 19S RGE. 35E NMPM			
19. Proposed Depth		19A. Formation	
9900'		2nd Bone Sprgs Sd	
20. Rotary or C.T.		Rotary	
21. Elevations (Show whether DF, RT, etc.)		22. Approx. Date Work will start	
3866.3' GR		7-10-84	

## 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'	400 sx.	Circ.
12 1/2"	8 5/8"	24 & 28#	4000'	2000 sx.	Circ.
7 7/8"	5 1/2"	15.5 & 17#	9900'	900 sx.	TOC @ + 7500'

Drill 17 1/2" hole to 400'. Set 13 3/8" csg @ 400'. Cmt w/400 sx cmt & circ. Drill 12 1/2" hole to 4000'. Set 8 5/8" csg @ 4000'. Cmt w/2000 sx cmt & circ. Drill 7 7/8" hole to 9900'. Set 5 1/2" csg @ 9900'. Cmt w/sufficient volume to cover all prospective zones. Estimated top of cmt @ 7500'. Perf & stimulate Bone Springs for production.

MUD PROGRAM: 0-400' spud mud; 400-4000' salt wtr;; 4000-9000' cut brine wtr; 9000-9900' salt wtr & Drispac. MW 9.4-9.7, VIS 40, 10-15 cc. BHP @ TD anticipated to be 2000 psi. No abnormal pressures expected.

BOP PROGRAM: BOP to be tested after each new installation & 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 12/27/84  
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 John Stark Title Operations Engineer Date 6/26/84

(This space for State Use)  
ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT 1 SUPERVISOR

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE JUN 27 1984

CONDITIONS OF APPROVAL, IF ANY: