

30-025-28840

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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 Smith "5"	
2. Name of Operator Southland Royalty Company		9. Well No. 5	
3. Address of Operator 21 Desta Drive, Midland, Texas 79705		10. Field and Pool, or Wildcat Scharb (Bone Springs)	
4. Location of Well UNIT LETTER <u>J</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>5</u> TWP. <u>19S</u> RGE. <u>35E</u> NMPM		12. County Lea	
19. Proposed Depth 10,200'		19A. Formation Bone Sprgs "YH"	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3865' GR	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
22. Approx. Date Work will start 8-15-84			

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 1/4"	8 5/8"	28 & 24#	4000'	2000 sx.	Circ.
7 7/8"	5 1/2"	17 & 15.5#	10,200'	900 sx.	TOC @ + 7000'

Drill 17 1/2" hole to 400'. Set 13 3/8" csg @ 400'. Cmt w/ 400 sx cmt & circ. Drill 12 1/4" hole to 4000'. Set 8 5/8" csg @ 4000'. Cmt w/2000 sx cmt & circ. Drill 7 7/8" hole to 10,200'. Set 5 1/2" csg @ 10,200'. Cmt w/sufficient volume to cover all prospective zones. Estimated top of cmt @ 7000'. Perf & stimulate Bone Springs for production.

MUD PROGRAM: 0-400' Spud mud; 400-4000' Salt wtr, 4000-9000' Cut brine wtr; 9000-10,200' Salt wtr gel & Drispac. MW 9.0-9.4, VIS 40, 10-15 cc. BHP @ TD anticipated to be 4000 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' & 9500'.

Gas Not Dedicated

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 8/1/84

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

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

AUG 13 1984

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AUG - 3 1984

U.S. DEPT. OF JUSTICE
CRIMINAL DIVISION