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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

30-025-28139

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name Baum State	
9. Well No. 2	
10. Field and Pool, or Wildcat Baum (Bough) <i>Upper Perm</i>	
12. County Lea	
19. Proposed Depth 10,100'	19A. Formation Bough
20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 4255' GR	22. Approx. Date Work will start 2-14-83

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> 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"/>	
2. Name of Operator Southland Royalty Company	
3. Address of Operator 21 Desta Drive, Midland, Texas 79701	
4. Location of Well UNIT LETTER <u>L</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>8</u> TWP. <u>14S</u> RGE. <u>33E</u> NMPM	
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#	380'	450 sx.	Circulate
12 1/4"	8 5/8"	32 & 24#	4100'	2200 sx.	Circulate
7 7/8"	5 1/2"	17#	10,100'	400 sx.	TOC by T.S.

Drill 17 1/2" hole to 380'. Set 13 3/8" csg. Circ cmt. Drill 12 1/4" hole to 4100'. Set 8 5/8" csg. Circ cmt. Drill 7 7/8" hole to TD to test the Bough and intermediate horizons with shows. If commercial, run 5 1/2" csg to TD. Cmt w/sufficient volume to bring cmt above prospective zones. Estimated top of cmt @ 8000'. Perforate and stimulate.

MUD PROGRAM: 0-380' Spud mud; 380-1700' Native, 4-6% Oil; 1700-4100' Brine Gel, 2% Oil; 4100-7300' Fresh Water; 7300-9000' Fresh Gel; 9000'-TD Fresh Gel, Drispac. MW 8.6-8.9, VIS 36-40. BHP @ TD anticipated to be 4400 psi.

BOP PROGRAM: BOP to be installed and tested after setting 8 5/8" csg. BOP to be tested by Yellow Jacket, Inc.

GAS NOT DEDICATED

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 7/28/83
UNLESS DRILLING UNDERWAY

IF ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION 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. R. M. Title District Operations Engineer Date 1/25/83
(This space for State Use)

APPROVED BY EDDIE W. SEAY TITLE _____ DATE JAN 28 1983

CONDITIONS OF APPROVAL, IF ANY: Production from this well will not be approved until either a standard proration unit is formed or the non-standard unit has been approved by the OCD in Santa Fe