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NEW MEXICO OIL CONSERVATION COMMISSION

30-025-27046

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
A-4096	

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. Name of Lease Name	
DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		Scharb "4"	
2. Name of Operator		9. Well No.	
Southland Royalty Company		2	
3. Address of Operator		10. Field and Pool, or Wildcat	
1100 Eall Towers West, Midland, Texas 79701		Undesignated (Wolfcamp)	
4. Location of Well		17. County	
UNIT LETTER <u>F</u> LOCATED <u>1980</u> FEET FROM THE <u>north</u> LINE		Lea	
AND <u>1980</u> FEET FROM THE <u>west</u> LINE OF SEC. <u>4</u> TWP. <u>19-S</u> RGE. <u>35-E</u> NMPM			
19. Proposed Depth		19A. Formation	20. Rotary or C.R.
10,800'		Wolfcamp	Rotary
21. Elevations (Show whether DF, RI, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
	Blanket	Hondo Drig Co. Rig #5	9-15-80

23.

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#	425'	425 sxs	surface
11"	8 5/8"	24 & 28#	4,000'	1500 sxs	surface
7 7/8"	5 1/2"	15.5 & 17#	10,800'	375 sxs	8,000'

Drill 15" hole & set surface csg @ 425', circ cmt. Drill 11" hole w/brine water to prevent wash out to 4000'. Run 8 5/8" csg to 4000' and circ. cmt. Drill 7 7/8" hole w/fresh wter to 7500' and add brine water to raise mud wt to 9.7# @ TD. Drill to TD of 10,800' to test Wolfcamp. If commercial, will run 5 1/2" csg to TD. Cmt w/sufficient vol. to bring cmt above all prospective zones. Estimate T/cmt to 8000'. Perf and stimulate Wolfcamp for production. BOP Program: BOP to be installed on 11 3/4" double ser 900. BOP to be installed on 8 5/8" double 10" ser. 900 plus 10" ser 900 Hydril plus drilling head. Yellow Jacket, Inc. to test 8 5/8" installation. BOP to be tested daily.

BOP Sketch attached.

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 Donald R. Craig Title District Operation Engineer Date 9-11-80

(This space for State Use)

APPROVED BY John W. Lippert TITLE Geologist DATE SEP 11 1980

CONDITIONS OF APPROVAL, IF ANY: