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NEW MEXICO OIL CONSERVATION COMMISSION

**APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,**

EXPIRES 1/24/81

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease

STATE ☐ FEE ☒

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. 1	
3. Address of Operator 1100 Wall Towers West; Midland, Texas 79701		10. Field and Pool, or Wildcat Undesignated Wolfcamp	
4. Location of Well UNIT LETTER <u>P</u> LOCATED <u>660'</u> FEET FROM THE <u>East</u> LINE AND <u>660'</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>5</u> TWP. <u>19-S</u> RGE. <u>35-E</u> NMPM		12. County Lea	
19. Proposed Depth <u>10,800'</u>		19A. Formation Wolfcamp	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DT, RT, etc.) 3850.1	
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Hondo Drilling Co.	
22. Approx. Date Work will start November 1, 1980		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#	410	400	Surface
11"	8 5/8"	24# & 28#	4100	1500	Surface
7 7/8"	5 1/2"	15.5 & 17#	10,800	400	8000'

Drill 15" hole & set surface csg @ 410', circ cmt. Drill 11" hole w/brine water to prevent wash out to 4100'. Set 8 5/8" csg @ 4100', circ cmt. Drill 7 7/8" hole w/fresh wtr to 7500' & add brine water to raise mud wt to 9.7# @ TD. Drill to TD of 10,800'. 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 be @ 8000'. Test all zones and perf & stimulate Wolfcamp for production. MUD PROGRAM: 0-410', spud mud; 410'-4100' brine wtr; 4100'-7500', fresh wtr; 7500'-8500', cut brine wtr; 8500'-TD, starch, gel, drispac; Vis 40, 10cc Fluid loss through Wolfcamp. BOP PROGRAM: BOP to be installed on 8 5/8" double 10" ser 900 10" Ser 900. Hydril plus drilling head. Yellow Jacket, Inc. to test 8 5/8" installation. BOP sketch attached.

See Revision

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 CC Parsons Title District Operations Engineer Date 10-22-80

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR

CONDITIONS OF APPROVAL, IF ANY:

GAS WELL, GAS HAS BEEN DEDICATED, (BEST OF OUR KNOWLEDGE)

YES ☐

NO ☒