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# NEW MEXICO OIL CONSERVATION COMMISSION

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NOV 07 1984

Form C-101  
Revised 1-4-83

REVISED LOCATION

O. C. D.  
ARTESIA, OFFICE

5A. Indicate Type of Lease	STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.		
V-489		

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Form or Lease Name	
2. Name of Operator Southland Royalty Company		9. Well No. 1	
3. Address of Operator 21 Desta Drive, Midland, Texas 79705		10. Field and Pool, or Wildcat Diamond Mound (Atoka)-Maz	
4. Location of Well UNIT LETTER N LOCATED 990 FEET FROM THE South LINE AND 2180 FEET FROM THE West LINE OF SEC. 16 TWP. 16S RGE. 27E NMPM		12. County Eddy	
19. Proposed Depth 8800'		19A. Formation Atoka	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3575.9' GR 3566.3'	
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor	
22. Approx. Date Work will start 11-12-84			

## 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#	350'	400 sx.	Circ.
12 1/4"	8 5/8"	24#	1500'	750 sx.	Circ.
7 7/8"	4 1/2"	10.5 & 11.6#	8800'	300 sx.	TOC @ 6000' by T

Drill 17 1/2" hole to 350'. Set 13 3/8" csg @ 350'. Cmt w/400 sx. Drill 12 1/4" hole to 1500'. Set 8 5/8" csg @ 1500'. Cmt w/750 sx. Drill 7 7/8" hole to TD to test the Atoka and intermediate horizons with shows. If commercial, run 4 1/2" csg to TD. Cmt w/sufficient volume to bring cmt above prospective zones. Estimated top of cmt @ 6000'. Perforate and stimulate.

MUD PROGRAM: 0-350' spud mud; 350-1500' brine; 1500-8000' fresh wtr; 8000-TD Cut brine, gel, Drispac, 3% KCl. MW 9-9.2. VIS 32-36, 6 cc. BHP @ TD anticipated to be 4400 psi. BOP PROGRAM: BOP to be installed and tested after setting 8 5/8" cas & at 8000'. BOP to be tested by Yellow Jacket, Inc.

GAS NOT DEDICATED

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 5-13-85  
UNLESS DRILLING UNDERWAY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUS BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE SLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Danell Roberts Title Operations Engineer Date 11-6-84

(This space for State Use)

APPROVED BY Mike Williams TITLE Oil & Gas Inspector DATE NOV 13 1984

Notify N.M.O.C.C. in sufficient time to witness cementing the 8 5/8" casing