

30-035-29135

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-85

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
LG-4558

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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name State Cor	
2. Name of Operator Southland Royalty Company		Madera Ridge "27"	
3. Address of Operator 21 Desta Drive, Midland, Texas 79705		9. Well No. 1	
4. Location of Well UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 27 TWP. 24S RGE. 33E NMPM		10. Field and Pool, or Wildcat Johnson Ranch (Morrow) UNDESIGNATED	
11. Elevations (Show whether DF, RT, etc.) 3522.4' GR		12. County Lea	
21A. Kind & Status Plug. Bond		19. Proposed Depth 15,900'	
21B. Drilling Contractor		19A. Formation Morrow	
22. Approx. Date Work will start 2-27-85		20. Rotary or C.T. Rotary	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
26"	20"	Conductor	40'	Ready Mix	
17 1/2"	13 3/8"	54.50#	800'	650 sx.	Circ.
12 1/4"	9 5/8"	36#	5100'	3500 sx.	Circ.
8 3/4"	7"	26#	13,250'	2000 sx.	TOX @ + 5100'
6 1/8"	4 1/2" liner	15.10#	@ TD w/400' over lap	500 sx.	

Set 20" conductor @ 40'. Drill 17 1/2" hole & set 13 3/8" csg @ 800'. Circ cmt. Drill 12 1/4" hole & set 9 5/8" csg @ 5100'. Cmt w/3500 sx. Circ cmt. Drill 8 3/4" hole & set 7" csg @ 13,250'. TOC estimated to be 5100'. Drill to TD to test Morrow & intermediate horizons. If commercial, run 4 1/2" liner to TD. Cmt w/sufficient volume to bring above all prospective zones. Perf & stimulate Morrow for production.

MUD PROGRAM: 0-800' spud mud; 800-5100' brine; 5100-13,250' cut binre; 13,250-14,900' brine; 14,900-15,900' oil mud. MW 12-13, VIS 50-80, 8-16 cc. BHP @ TD anticipated to be 8800 psi.

BOP PROGRAM: 18 3/4"-5M annular BOP tested to 1000 psi after setting 13 3/8" csg. 11"-10M BOP stack tested to 10,000 psi after setting 9 5/8" & 7" csg. Test BOP w/Yellow Jacket, Inc. after setting 7" csg.

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

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 Danell Robato Title Operations Engineer Date 2/6/85

(This space for State Use)

APPROVED BY Eddie W. Seay TITLE Oil & Gas Inspector DATE FEB 1 2 1985

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