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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"/>
3. 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 OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name	
2. Name of Operator		9. Well No.	
Southland Royalty Company		1	
3. Address of Operator		10. Field and Pool, or With/Without	
21 Desta Drive, Midland, Texas 79705		Johnson Ranch (Wolfcamp)	
4. Location of Well		12. County	
UNIT LETTER B LOCATED 660 FEET FROM THE North LINE		Lea	
AND 1980 FEET FROM THE East LINE OF SEC. 27 TWP. 24S RGE. 33E NMPM			
19. Proposed Depth		19A. Formation	
15,694'		Wolfcamp	
21. Elevations (Show whether DF, RT, etc.)		20. Rotary or C.T.	
3522.4' GR		-	
21A. Kind & Status Plug. Bond		22. Approx. Date Work will start	
		5-29-86	

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"	54.5 & 61#	800'	850 sx.	Circ.
12 1/4"	9 5/8"	36#	5055'	2150 sx.	Circ.
7"	8 3/4"	26#	13,130'	1625 sx.	TOC @ 6230'

- MIRU WO rig. Kill well if necessary w/+ 40 Bbls of 10# brine. ND tree. NU BOP's & test to 6000#. POH w/tbg subs, tbg & RLA seal assembly.
- RIH w/spear, bumper jars, DC's & tbg. Retrieve RLA & 2 jts tbg. POH.
- MIRU WL. RU lubricator. RIH w/gauge ring & junk basket to + 14,900'. POH. RIH w/4 1/2" CIBP to + 14,800' & set. POH. RIH w/dump bailer & dump 2.9 cf of C1 "H" cmt on top of CIBP. POH.
- RIH w/+ 500' of tbg, jet sub, spacing pup joints, no go (to properly placed jet sub), & tbg. Circ hole clean w/10 lb/gal brine & spot 250 gals of 10% acetic acid containing .5% corrosion inhibitor. Displ acid w/74 bbls of 10 lb/gal brine. Drop diverter ball & jet locking lugs clean. POH w/tbg, jet sub & tbg.
- RIH w/locator sub, pup jt, SN, 1 jt tbg, SN, 1 jt tbg, RLA & + 12,695' tbg. Set RLA in liner top. POH w/+ 12,695' tbg.
- RIH w/RLA seal assembly, SN & + 12,695' tbg. Hydrostatically test tbg to 8000#. GIH. Once seal assbly is in RLA, set dwn w/20,000# compression. Test seal to 6000# (down tbg). ND BOP's. NU wellhead & test to WP.

-----OVER-----

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 Carly Sexton Title Engineering Tech III Date 5/15/86

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT I SUPERVISOR

TITLE

DATE

MAY 16 1986

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Unless Drilling Underway.