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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
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 OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> REENTER <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <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. 3	
3. Address of Operator 21 Desta Drive, Midland, Texas 79705		10. Field and Pool, or Wildcat Scharb (Bone Springs)	
4. Location of Well UNIT LETTER <u>21</u> LOCATED <u>2125</u> FEET FROM THE <u>South</u> LINE AND <u>805</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>5</u> TWP. <u>19S</u> RGE. <u>35E</u> NMPM		12. County Lea	
21. Elevations (Show whether DF, RT, etc.) 3866' GR		19. Proposed Depth 10,174'	19A. Formation YH
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	20. Rotary or C.T. Rotary
22. Approx. Date Work will start 5-17-84			

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#	400'	350 sx.	Circ.
11"	8 5/8"	32#	3995'	280 sx.	Unknown

1. Build location & road. Dig out cellar. Remove dry hole marker.
2. MIRU drlg rig. Instl wellhead (11 3/4"). Instl BOP.
3. RIH w/11" bit & DP & drl out cmt plugs @ surf, across 11 3/4" csg shoe @ 400' & on top of 8 5/8" csg stub @ 1005'. (Mud: salt wtr 9.8-10 ppg, 28-32 vis, NC-FL, + 5% oil for redbeds).
4. RIH w/ 7 7/8" bit. If can enter 8 5/8" csg, call NMOC in Hobbs for decision if we can drl out to TD & then run 5 1/2" csg without repairing 8 5/8" csg. If cannot reenter 8 5/8" csg, go to step 6.
5. Drl out cmt plugs @ top of 8 5/8" stub, 2000', 3948' (8 5/8" shoe @ 3995'), 5478', 5836' & 7545' & drl out to + 10,150' (btm plug @ 10,094'). Mud: Cut brine 9-9.3 ppg, 30-32 vis, NC-FL, + 3% oil if did not repair 8 5/8" csg. At TD circ + 2 hrs w/high vis mud: salt wtr gel & Drispac 9.5 ppg, 40 vis, 10-15 FL. Go to step #9.
6. RIH w/impression blk. POH. RIH w/11" flat btm mill & dress off top of 8 5/8" stub. POH w/mill.

-----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 John Stark Title Operations Engineer Date 5/3/84

(This space for State Use)
ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

MAY 7 1984

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

7. RIH w/impression blk & d. if csg patch can be run on c 24# K-55 ST&C csg or if additional milling & washing over is needed. (Csg patch does not need to be cmt'd, as per Jerry Sexton of NMOCD). If csg patch is successful, go to step #5.
8. If effort to reenter becomes ineffective & cost prohibitive, then P&A by spotting 50 sx cmt plug on top of 8 5/8" stub, 100' cmt plug across 11 3/4" csg shoe & 25 sx cmt plug @ surf.
9. RIH w/ 5 1/2" 17# & 15.5# csg to + 10,150'. If can run 5 1/2" csg without repair to 8 5/8", then place DV tool @ + 2000'.
10. Cmt 5 1/2" csg w/+ 1000 gals mud flush + 500 sxs C1 "H" 50-50 poz w/2% gel, + 250 sxs C1 "H". TOC to +7000'. (Note: If can run 5 1/2" csg without repair to 8 5/8" csg then have DV tool @ +2000' & cmt to surf).
11. Instl 5 1/2" wellhead. RD drlg rig.
12. MIRUPU. RIH w/4 3/4" bit & csg scrapers to + 9650'. Displ hole w/2% KCL wtr. POH w/bit.
13. Run GR-CCL Correlation log from PBDT to + 8100'.
14. Perf Bone Springs "YH" zone @ 9562-9614' w/2 JSPF w/4" csg guns.
15. RIH & set pkr @ + 9450'. Swb test.
16. POH w/pkr. RIH w/production equip.
17. Put on production.

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MAY 7 1984

O.C.D.
HOBBS OFFICE