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NEW MEXICO OIL CONSERVATION COMMISSION

APR 28 1980

O. C. D.  
ARTESIA, OFFICE

30-015-27955

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
648	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		8. Farm or Lease Name	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		State "G" Comm.	
2. Name of Operator		9. Well No.	
Southland Royalty Company		1	
3. Address of Operator		10. Field and Pool, or Well	
1100 Wall Towers West, Midland, Texas 79701		Atoka Angell Ranch (Morrow)	
4. Location of Well		12. County	
UNIT LETTER E LOCATED 1980 FEET FROM THE North LINE		Eddy	
AND 660 FEET FROM THE West LINE OF SEC. 24 TWP. 19-S RGE. 27-E NMPM			
19. Proposed Depth		19A. Formation	
10,300'		Atoka Morrow	
21. Elevations (Show whether DF, RT, etc.)		20. Rotary or C.T.	
3462.6'			
21A. Kind & Status Plug. Bond		22. Approx. Date Work will start	
Blanket			

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP

Present pay zone Morrow is depleted & non productive. Plugback to Atoka.  
Recommended Procedure:

- 1.) Rig up. Load hole w/2% KCl water.
- 2.) Ran CIBP set @ 10,300'. Ran pkr & tubing.
- 3.) Spot 100 gals 10% acetic acid from 10,080'-9,950'. Set pkr @ 9,950'.
- 4.) Run decentralized tubing gun and perforate the following intervals w/2 JSPF @ 10,072'-10,080'.
- 5.) Displace acid to perms & test.
- 6.) Acidize interval with 1000 gals 7½% MS acid. Swab & test.

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 Donald R. Crang Title District Production Engineer Date 4-22-80

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE APR 29 1980

CONDITIONS OF APPROVAL, IF ANY: