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NEW MEXICO OIL CONSERVATION COMMISSION

JUL 21 1978

O. C. C.
ARTESIA, OFFICE

30-015-22625

Form C-101
Revised 1-4-65

5A. Indicate Type of Lease	STATE ☒ FLE ☐
5. State Oil & Gas Lease No.	L-6654

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work		7. Unit Agreement Name	
2. Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐		8. Name of Lease Name	
DRILL ☒ DEEPEN ☐ PLUG BACK ☐		State "19" Comm.	
3. Name of Operator		9. Well No.	
Southland Royalty Company		2	
4. Address of Operator		10. Field and Pool (or Lease)	
1100 Wall Towers West, Midland, TX 79701		Undesignated, (Morrow)	
5. Location of Well		11. County	
UNIT LETTER N LOCATED 860 FEET FROM THE south LINE		Eddy	
AND 2057 FEET FROM THE west LINE OF SEC. 19 TWP. 19-S RGE. 28-E N.M.P.M.			
12. Proposed Depth		19A. Formation	
11,200'		Morrow	
13. Elevations (Show whether DT, RT, etc.)		20. Rotary or C.C.	
3493' GR		Rotary	
21A. Kind & Status Plug. Bond		22. Approx. Date Work will start	
Blanket		8-1-78	
21B. Drilling Contractor			
Hondo Drlg.Co. Rig #5			

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#	430'	430	Circ.
11"	8 5/8"	24#	2450'	800	Circ.
7 7/8"	5 1/2"	17#	11,200'	1000	7000'

Propose to set 13 3/8" csg @ 430', circ cement. Set 8 5/8" into San Andres, circ cement. Drill to TD of 11,200' to test Morrow and intermediate horizons. If commercial will run 5 1/2" csg to TD, cement w/sufficient cement to bring cement back to 7000'. Will run cement staging tool @ 9900' if intermediate horizons productive to obtain better cement over intermediate zone. Perforate and stimulate Morrow for single zone completion.

Mud Program:

0-430' spud mud; 430-2450' brine water, paper; 2450-7500' fresh water, 7500-9500' cut brine water and gel 9.3, Vis 30; 9500-11,200' TD starch, gel, Flosal, Drispac 9.5 to 9.8# Vis 35-40, WL 3-4 through Morrow. No abnormal pressures are expected.

BOP Program:

BOP will be installed on 13 3/8", double 10" Ser 900 BOP on 8 5/8" csg, install double 10" Ser 900 plus 10" Ser 900 Hydril BOP to be tested daily. GAS IS 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 PRODUCTION 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 C. Harvey Carr Title District Engineer Date July 19, 1978
(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUL 25 1978
CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 13 3/8" & 8 5/8" casing