

N.M.O.C.D. COPY

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.

30-015-23776

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NM 030752	
b. TYPE OF WELL 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"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME MAY 8 1981	
2. NAME OF OPERATOR Southland Royalty Company		7. UNIT AGREEMENT NAME O. C. D.	
3. ADDRESS OF OPERATOR 1100 Wall Towers West: Midland, Texas 79701		8. FARM OR LEASE NAME ARTESIA, OFFICE	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FNL & 1980' FWL, Sec. 21, T-18-S, R-29-E At proposed prod. zone same		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7 miles SE of Artesia, New Mexico		10. FIELD AND POOL, OR WILDCAT Undesignated (Morrow)	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 11-C Sec. 21, T-18-S, R-29-E	
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None		20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 11,750'		22. APPROX. DATE WORK WILL START* March 25th, 1981	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3517.' GR			

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	11 3/4"	42#	225'	250 SXS
11"	8 5/8"	24#	3,200'	1400 SXS
7 7/8"	4 1/2"	11.6 - 13.5#	11,750'	1100 SXS

Drl 15" hole to 225'. Set csg @ 225. Circ cmt. Drl 11" hole to 3200'. Set csg @ 3200'; Circ cmt. Drl 7 7/8" hole to TD of 11,750' to test Morrow & intermediate horizons w/shows. Run 4 1/2" csg to TD. Cmt w/sufficient volume to cover all prospective zones. Estimated top of cmt @ 8000'. Perf & stimulate Morrow for production.

MUD PROGRAM: 0-225', Spud mud, 225-3200', Brine wtr; 3200'-7500', Fresh wtr; 7500'-9500', Cut brine wtr; 9500'-TD starch, Gel, Flosal, Drispac, & 3% KCL, Vis 40, 6cc FL thru Morrow. BHP @ TD expected to be 5000 PSI. No abnormal pressures expected.

BOP PROGRAM: BOP to be tested after installation of 8 5/8" csg by Yellow Jacket, Inc. 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 productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED <u>George H. Stewart</u> TITLE <u>District Operations Engineer</u> DATE <u>3-10-81</u>	
(This space for Federal or State office use)	
APPROVED BY <u>James A. Gillham</u> DATE <u>APR 20 1981</u>	
PERMIT NO. _____ APPROVAL DATE _____	
APPROVED BY _____ TITLE _____ DATE _____	
CONDITIONS OF APPROVAL, IF ANY: JAMES A. GILLHAM DISTRICT SUPERVISOR	

*See Instructions On Reverse Side