

N.M.O.C.P. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLIC.
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-005-61037

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL ☒ DEEPEN ☐ PLUG BACK ☐
 b. TYPE OF WELL
 OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐
 2. NAME OF OPERATOR
 Southland Royalty Company
 3. ADDRESS OF OPERATOR
 1100 Wall Towers West, Midland, TX 79701
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface
 1980' FSL & 1980' FWL, Sec. 26, T-10-S, R-29-E
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
 16804-A
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 Sand Ranch
 9. WELL NO.
 1
 10. FIELD AND POOL, OR WILDCAT
 Undesignated (Morrow)
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 26, T-10-S, R-29-E
 12. COUNTY OR PARISH
 Chaves
 13. STATE
 NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 32 miles East of Roswell, New Mexico
 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 660
 16. NO. OF ACRES IN LEASE
 320
 17. NO. OF ACRES ASSIGNED TO THIS WELL
 320
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 N.A.
 19. PROPOSED DEPTH
 9500
 20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3955.6' GR
 22. APPROX. DATE WORK WILL START*
 Must Spud Before 8-1-81

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/4"	11 3/4"	42	350	700 SXS (Circ)
11"	8 5/8"	24	2650	1200 SXS (Circ)
7 7/8"	4 1/2"	11.6	9500	1000 SXS (TOC by Temp Svy)

Set surface csg @ 350' T/salt. Circ cmt. Drill 11' hole w/brine wtr & set 8 5/8" csg @ 2650'. Circ. Cmt. Drill to TD to test Morrow & intermediate horizons. If commercial run 4 1/2" csg to TD. Cement w/sufficient volume to bring above all prospective zones. Estimated T/cmt. @ 8000'. Perforate & stimulate Morrow for production.

MUD PROGRAM: 0-350' spud mud; 350-2650' brine wtr; 2650-6000' cut brine wtr; 6000-8800' cut brine wtr w/4-6% oil; 8800'-TD starch gel, drispac, 4-6% oil & 3% KCL. MW 9.1-9.3, Vis 38-40, FL 6cc thru Morrow. BHP @ TD expected to be 4200 psi.

BOP PROGRAM: BOP to be installed on 11 3/4" double 10" Ser. 900. BOP to be installed on 8 5/8" double 10" Ser. 900 plus 10" Ser. 900 Hydrill plus drlghead. Test BOP w/Yellow Jacket, Inc. after setting on 8 5/8". Test BOP @ 7500'.

Gas Not Dedicated.

RECEIVED
JUL 9 1981

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 to be drilled and the vertical depths. Give blowout preventer program, if any.

24. SIGNED Ray F. Doherty TITLE Engineer Tech. DATE 7-8-81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY

APPROVED
JUL 16 1981
FOR
JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side