

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

21 Desta Drive, Midland, Texas 79705

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

2080' FNL & 560' FEL, Sec. 17, T-18-S, R-33-E

At proposed prod. zone

FNL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

11 miles southeast of Maljamar New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

560'

16. NO. OF ACRES IN LEASE

960

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

11,500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3872.2' GR

22. APPROX. DATE WORK WILL START\*

5-31-85

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	350'	400 sx. Circ.
12 1/4"	8 5/8"	24#	2920'	1000 sx. Circ.
7 7/8"	5 1/2"	17#	11,500'	700 sx. TOC @ + 8000'

Drill 17 1/2" hole to 350'. Set 13 3/8" csg @ 350'. Cmt w/400 sx. Circ. Drill 12 1/4" hole to 2920'. Set 8 5/8" csg @ 2920'. Cmt w/1000 sx. Circ. Drill to TD to test the Wolfcamp & intermediate horizons. If commercial, run 5 1/2" csg to 11,500'. Cmt w/sufficient volume to bring above all prospective zones. Estimated TOC @ + 8000'. Perf & stimulate Wolfcamp for production.

MUD PROGRAM: 0-350' fresh wtr gel & lime; 350-2920' salt wtr; 2920-8400' cut brine; 8400-TD cut brine w/Driscap. MW 9-9.5, VIS 32-36, 10-15 cc. No abnormal pressures or temperatures anticipated at TD.

BOP PROGRAM: 13 5/8"-3M annular BOP to be installed on 13 3/8" csg. 11"-3M BOP stack to be installed on 8 5/8" and left on for remainder of drilling. Stack to consist of annular BOP, blind ram BOP and one pipe ram BOP. Test BOP's after setting 8 5/8" csg w/Yellow Jacket, Inc.

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

*John Stark*

TITLE

Operations Engineer

DATE

5/15/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

*Don Wood*

TITLE

DATE

6-3-85

CONDITIONS OF APPROVAL, IF ANY:

*(7)*

\*See Instructions On Reverse Side

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

RECEIVED

JUN -5 1985

O.C.B.  
HOBBS OFFICE