

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE

(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.30-025-29216  
5. LEASE DESIGNATION AND SERIAL NO.

NM-0997

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Aztec "22" Federal

9. WELL NO.

1

10. FIELD AND FOOT OF WELL (If designated)

South Corbin (Morrow)

11. SEC., T., R., M., OR BLM.  
AND SURVEY OR AREA

Sec. 22, T-18-S, R-33-E

12. COUNTY OR PARISH

Lea

13. STATE

N.M.

## 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  
ZONES ☐

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

1980' FNL &amp; 1980' FWL, Sec. 22, T-18-S, R-33-E

At proposed prod. zone

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

32 miles west of Hobbs, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. 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.

NA

19. PROPOSED DEPTH

13,500'

20. ROTARY OR CABLE TOOLS

Rotary

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

3855.1' GR

22. APPROX. DATE WORK WILL START\*

4-15-85

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'	375 sx. Circulate
12 1/4"	8 5/8"	28 & 24#	4400'	600 sx. Circulate
7 7/8"	5 1/2"	17#	13,500'	1100 sx. TOC @ + 8000'.

Drill 17 1/2" hole to 350'. Set 13 3/8" csg @ 350'. Cmt w/375 sx. Circ. Drill 12 1/4" hole to 4400'. Set 8 5/8" csg @ 4400'. Cmt w/600 sx. Circulate. Drill to TD to test the Morrow & intermediate horizons. If commercial, run 5 1/2" csg to 13,500'. Cmt w/sufficient volume to bring above all prospective zones. Estimated TOC @ + 8000'. Perf & stimulate Morrow for production.

MUD PROGRAM: 0-350' Fresh wtr gel & lm; 350-4400' Salt wtr; 4400-8500' Fresh wtr; 8500-10,200' Cut brine wtr & Drispac; 10,200-11,900' Brine w/KCl + XC/Drispac; 11,900-13,500' Brine w/KCl + XC Polymer & Drispac. MW 10-10.2, VIS 34-36, 3-8 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" and at 9000' w/Yellow Jacket, Inc.

## GAS 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

TITLE Operations Engineer

DATE 4/2/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

4-11-85

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

\*See Instructions On Reverse Side