

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

411' FWL & 2076' FNL, Sec. 17, T-18-S, R-33-E

At proposed prod. zone

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

11 miles Southeast of Maljamar, N.M.

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

411'

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

9550'

20. ROTARY OR CABLE TOOLS

Rotary

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

3876' GR

22. APPROX. DATE WORK WILL START*

7-19-88

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	360'	350 sx., Circulate
12 1/4"	9 5/8"	36	3000'	1300 sx., Circulate
8 3/4"	7"	23 & 26	9550' DV @	000'. 890 sx. TOC @ 3000'

Drill 17 1/2" hole to 360'. Set 13 3/8" csg @ 360'. Cmt w/350 sx., Circ. Drl 12 1/4" hole to 3000'. Set 9 5/8" csg @ 3000'. Cmt w/1300 sx., Circ. Drl to TD to test the San Andres & Bone Spring & intermediate horizons. If commercial, run 7" csg to 9550'. Cmt with sufficient volume to bring above all prospective zones. Est TOC @ 3000'. Perf & stimulate San Andres & Bone Spring for production.

MUD PROGRAM: 0-360' fresh wtr gel & lime; 360-3000' salt water; 3000-9550' cut brine w/Drispac. 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 9 5/8" & left on for remainder of drlg. Stack to consist of annular BOP, blind ram BOP & one pipe ram BOP. Test BOP's after setting 9 5/8" csg with independent tester.

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

Cathy Nohes

TITLE Operations Tech III

DATE

6/14/88

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Scott Adams

TITLE

DATE

7-19-88

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED