

## 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

1980' FSL &amp; 1980' FWL, Sec. 4, T-25-S, R-34-E

At proposed prod. zone

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

24 miles southwest of Jal, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 1980'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

NA

## 16. NO. OF ACRES IN LEASE

320

## 19. PROPOSED DEPTH

15,300'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3353.4' GR

## 22. APPROX. DATE WORK WILL START\*

6-10-85

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
36"	30"	Conductor	40'	Ready mix
26"	20"	94#	600'	1000 sx. Circ.
17 1/2"	13 3/8"	54.5 & 61#	5200'	5200 sx. Circ.
12 1/4"	9 5/8"	47 & 43.5#	13350'	3600 sx. TOC @ + 5100'
8 1/2"	7 5/8" liner	39#	14400'	300 sx. Liner top
6 1/2"	5" liner	18#	15,300'	150 sx. Liner top

Set 30" conductor @ 40'. Drl 26" hole & set 20" csg @ 600'. Circ cmt. Drl 17 1/2" hole & set 13 3/8" csg @ 5200'. Circ cmt. Drl 12 1/4" hole & set 9 5/8" csg @ 13,350'. Circ cmt up to 5100'. Drl 8 1/2" hole & set 7 5/8" liner from 14,400' to 12,950'. Drl 6 1/2" hole & set 5" liner from 15,300 to 14,100'. Complete in Morrow & Atoka thru dual strings of 2 7/8" tbg & PBR's set in top of liners.

MUD PROGRAM: 0-600 spud mud; 600-5200' brine; 5200-13,350' cut brine; 13,350-13,850' brine; 13,850-TD oil mud. MW 12-14.8, VIS 50-80, BHP @ TD expected to be 10,000 psi.

BOP PROGRAM: 18 3/4"-5M annular BOP to be installed on 20" csg 13 5/8"-10M BOP stack to be installed on 13 5/8" and left on for remainder of drilling. Stack to consist of drilling head, annular BOP, blind ram BOP, and two pipe ram BOP's. Test BOP's after setting

13 5/8" csg & 9 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

*Lance Roberts*

TITLE

Operations Engineer

DATE

5/28/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

MAY 31 1985

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

Subject to  
Like Approval  
by State *Completion*  
\*See Instructions On Reverse Side

RECEIVED

JUN 17 1985

682  
HOBBS OFFICE