

IMC.O.D. COPY

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)Form approved,  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-23266

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

O. C. D.

ARTESIA OFFICE

## 3. ADDRESS OF OPERATOR

1100 Wall Towers West, Midland, Texas 79701

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

At surface  
660 FNL 1980 FWL Sec 27 T-18-S R-29-E  
At proposed prod. zone

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

7 miles southwest of Loco Hills, N.M.

## 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.

NA

## 19. PROPOSED DEPTH

11,450'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3558.2 GR

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

August 1, 1980

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	11 3/4"	42#	350'	275 sx. Circ.
11"	8 5/8"	24#	3200'	1180 sx. Circ.
7 7/8"	4 1/2"	11.6#	11,450'	735 sx.

Propose to set 11 3/4" csg. to 350', circ. cmt. Set 8 5/8" csg @ 3200' circ. cmt. Drill to TD of 11,450' to test Morrow & intermediate horizons. If commercial, will run 4 1/2" csg to TD. Cmt. w/sufficient cmt. to bring cmt. back above all productive zones or to approx. 8500' if Morrow only productive. If intermediate horizons indicate production will run DV tool @ 9600'+ and use additional cmt volumes to obtain better cmt over intermediate zone. Will perf & stimulate Morrow for production. Acid treatment to be determined on sand interval present, will use approx. 200 gals/ft. MUD PROGRAM: 0-350' spud mud; 350-3200' brine wtr, paper for lost circ & seepage; 3200-7500' fresh wtr; 7500-9500' cut brine wtr. 9.5#/gal; 9500-TD Flosal, Drispac, starch & gel bring wt. to 10.0#/gal. vis 40 cc wl 6cc through the Morrow. No abnormal pressures anticipated w/BHP at TD expected to be 4000 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 Hydril plus drilling head. Yellow Jacket, Inc. to test 8 5/8" installation. BOP to be tested by rig daily. GAS IS 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

*C. Harvey Can*

TITLE

District Engineer

DATE

3-5-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

4-1-80

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side