

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

1100 Wall Towers West, Midland, Texas 79701

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

At surface

1980' FSL &amp; 1980' FWL, Sec. 27, T-18-S, R-29-E

At proposed prod. zone

Same

## 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

720'

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.)

3459.4' GR

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

Upon approval

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH

RECEIVED

JUN 25 1980

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

Morrow dead! Unable to produce at line pressure.

Propose to plug back to Atoka.

Procedure: Rig up &amp; load hole w/2% KCL water, pull tbg. &amp; packer.

GIH w/cmt. retainer and set @ 11,100'. Squeeze perfs w/75 Sxs Class H Cmt.  
Leave 35' cmt on top of retainer. Run Pkr. & tbg, spot 150 gal. 10% acetic  
acid from 10,773-10,500'.Set pkr @ 10,500' & swab fluid level down to 1,000'. GIH w/tbg. gun and  
perforate w/2 JSPF @ 10,763-10,773'. Displace acid to perfs. and swab.If necessary, acidize w/2500 gal 7½% MS acid w/1000 SCF/Bbl. N<sub>2</sub>.

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 Ronald A. GrayTITLE District Operation Engineer 6-20-80

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY Peter W. ChesterTITLE ACTING DISTRICT ENGINEERDATE JUN 26 1980

CONDITIONS OF APPROVAL, IF ANY:

GAS WELL GAS HAS BEEN DEDICATED, (BEST OF OUR KNOWLEDGE)

YES

☒

NO

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\*See Instructions On Reverse Side