

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐ANGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Southland Royalty Company

3. ADDRESS OF OPERATOR

21 Desta Drive, Midland, Texas

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

At surface

1980' FSL & 1980' FWL, Sec. 30, T-24-S, R-34-E

At proposed prod. zone

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

26 miles west 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'

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

15,500'

20. ROTARY OR CABLE TOOLS

Rotary

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

3536.4' GR

22. APPROX. DATE WORK WILL START*

8-27-84

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. Circulate
17 1/2"	13 3/8"	54.50 & 61#	5200'	5000 sx. Circulate
12 1/4"	9 5/8"	47 & 43.50#	13,250'	4100 sx. TOP @ 5100' by TS
8 1/2"	5 1/2" Liner	23#	15,500'	1200 sx.

Set 30" conductor @ 40'. Set 20" surface csg @ 600'. Circ cmt. Drl 17 1/2" hole & set 13 3/8" csg @ 5200'. Circ cmt. Drl 12 1/4" hole to 13,250'. Set 9 5/8" csg @ 13,250'. Cmt w/4100 sx. Drl to TD to tst Morrow & intermediate horizons. If commercial, run 5 1/2" liner to TD. Cmt w/sufficient volume to bring above all prospective zones. Estimated TOC @ 12,850'. Perf & stimulate Morrow for production.

MUD PROGRAM: 0-600' spud mud, 600-5200' brine wtr; 5200-13,250' cut brine wtr; 13,250-14,400' brine; 14,400-TD oil mud. MW 12-13, VIS 50-80, FL 8-16 cc thru Morrow. BHP @ TD anticipated to be 8800 psi.

BOP PROGRAM: 18 3/4"-5M annular BOP tested to 1000 psi after setting 20" csg. 13 3/8"-10M BOP stack tested to 10,000 psi after setting 13 3/8" & 9 5/8". Test BOP w/Yellow Jacket, Inc. after setting 9 5/8".

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

Lance Roberts

TITLE

Operations Engineer

DATE

8-3-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

8-23-84

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

ATTACHED