

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. 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

990' FNL & 1980' FWL, Sec. 7, T-18-S, R-33-E

At proposed prod. zone

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

10 miles southeast of Maljamar, New Mexico

6. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

990'

7. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

8. NO. OF ACRES IN LEASE

1936.6

9. PROPOSED DEPTH

11,500'

10. NO. OF ACRES ASSIGNED
TO THIS WELL

40

11. ROTARY OR CABLE TOOLS

Rotary

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

3440.4' GR

13. APPROX. DATE WORK WILL START*

9-6-84

14.

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#	400'	400 sx. Circ.
12 1/4"	8 5/8"	28 & 24#	3700'	1400 sx. Circ.
7 7/8"	5 1/2"	17#	11,500'	1000 sx. TOC @ + 7000'.

Drill 17 1/2" hole to 400'. Set 13 3/8" csg @ 400'. Cmt w/400 sx. Circulate.
Drill 12 1/4" hole to 3700'. Set 8 5/8" csg @ 3700'. Cmt w/1400 sx. Circulate.
Drill to TD to Test the Wolfcamp & intermediate horizons. If commercial, run
5 1/2" csg to 11,500'. Cmt w/sufficient volume to bring above all prospective zones.
Estimated TOC @ + 7000'. Perf & stimulate Wolfcamp & Bone Springs for production.
MUD PROGRAM: 0-400' spud mud; 400-3700' salt wtr; 3700-8300' cut brine wtr; 8300-TD
Salt wtr gel & Drispac. For DST's salt wtr gel & Drispac. MW 9-9.4, VIS 32-35, 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 8 5/8" and left on for remainder of drilling. Stack to consist of annular
BOP, blind ram BOP and one pipe ram BOP. Test BOP's after setting 8 5/8" csg and at
9000' w/Yellow Jacket, Inc.

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
one. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout
reventer program, if any.

15.

SIGNED

TITLE

Operations Engineer

DATE

8/27/84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CARLSBAD REGIONAL OFFICE

DATE

9-17-84

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side