

114000 COPY

SUBMIT IN TRIPPLICATE*

Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-22921

5. LEASE DESIGNATION AND SERIAL NO.

LC-064670

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

-

7. UNIT AGREEMENT NAME

-

8. FARM OR LEASE NAME

State-Federal "22" Com.

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated (Morrow)

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 22, T-19-S, R-28-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

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 ☒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' FNL & 990' FWL, Sec. 22, T-19-S, R-28-E

At proposed prod. zone

Same

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

15 mi. N NE of Carlsbad

15. DISTANCE FROM PROPOSED*

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

990'

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

11,400

20. ROTARY OR CABLE TOOLS

Rotary

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

3411.2' GR

22. APPROX. DATE WORK WILL START*

4-15-79

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# H-40	400	500 sx circ.
11"	8 5/8"	24# K-55, S-80	2,500	1200 sx circ.
7 7/8"	4 1/2"	11.6# S-95, N-80 K-55, ST, LT, B	11,400	800 sx (see supplement)

Propose to set 11 3/4" csg to 400', circ. cement. Set 8 5/8" csg @ 2500', circ. cement. Drill to TD of 11,400' to test Morrow and intermediate horizons. If commercial will run 4 1/2" csg. to TD. Cement w/sufficient cement to bring cement back above all productive zones, or to approx. 8000' if Morrow only productive. If intermediate horizons indicate production, will run DV tool @ 9900'+ and use additional cement volumes to obtain better cement over intermediate zone. Will perf. and stimulate Morrow for production. Acid treatment to be determined on sand interval present, will use approx. 200 gal./ft.

Mud Program: 0-400' spud mud; 400-2500' brine water, paper for lost circ and seepage. 2500-7500' fresh water, 7500-9500' cut brine water 9.3#/gal.; 9500-TD Flosal, drispac, bring wt. to 10.0#/Gal. vis 40, wl 6 cc through Morrow. No abnormal pressures anticipated with BHP at TD expected to be 4500 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. NOTE: 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 Carr

TITLE

District Engineer

DATE

3-26-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

5-11-79

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: