

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23241

NM-0557562

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

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

12. COUNTY OR PARISH

13. STATE

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

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

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

22. APPROX. DATE WORK WILL START*

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

660' FNL, 1980' FEL, Section 5, T-20-S, R-28-E

At proposed prod. zone

Same

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

11.5 miles northeast of Carlsbad

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.

N.A.

19. PROPOSED DEPTH

11,600'

20. ROTARY OR CABLE TOOLS

Rotary

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

3328.6' GR

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'	375 sx. Circ.
11"	8 5/8"	24#	2600'	1300 sx. Circ.
7 7/8"	4 1/2"	11.6#	11,600'	1000 sx. 8000'

Propose to set 11 3/4" csg. @ 350', circ. cmt. Set 8 5/8" csg @ 2600', circ. cmt. Drill to TD of 11,600' 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. 7100', if Morrow only productive. If intermediate horizons indicate production, will run DV tool @ 8500'+ & use additional cmt. volumes to obtain better cmt. over intermediate zone. Will perforate & stimulate Morrow for production acid treatment to be determined on sand interval present, will use approx. 250 gal/ft. MUD PROGRAM: 0-350' spud mud; 350-2600' brine wtr., gel, paper for lost circ. and seepage; 2600-7500' fresh wtr.; 7500-9500' cut brine wtr. 9.5#/gal; 9500-TD starch, gel, Floseal, Drispac 10.00#/gal. vis 38 wl 8-10 cc thru Morrow. No abnormal pressures anticipated w/BHP at TD expected to be 5000#. 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

16. 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. Hanney Can

TITLE

District Engineer

DATE

2-26-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

3-20-80

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: