

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-015-23689
5. LEASE DESIGNATION AND SERIAL NO.
LC 029020-D RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
MAR 03 1981

7. UNIT AGREEMENT NAME
O C D
8. FARM OR LEASE NAME
Dale H. Parke ARTHUR, OFFICE

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
X Grayburg-Jackson (SR, Q, G, SA)

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Unit I
Sec. 15, T-17-S, R-30-E

12. COUNTY OR PARISH
Eddy
13. STATE
N.M.

17. NO. OF ACRES ASSIGNED
TO THIS WELL
40

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
3-21-81

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

2310' FSL & 940' FEL, Sec. 15, T-17-S, R-30-E

At proposed prod. zone

Same

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

1 mile northeast of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

330' North

16. NO. OF ACRES IN LEASE

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

898' SE

19. PROPOSED DEPTH

3550'

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

3682.1' GR

23.

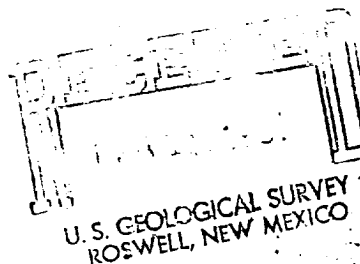
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	450'	300 SXS.
7 7/8"	5 1/2"	15.5#	3550'	1100 SXS.

Drl 12 1/4" hole to 450'. Set csg @ 450'; Circ cmt. Drl 7 7/8" hole to 3550'. Set csg @ 3550'; Cmt w/sufficient volume to bring cmt above the base of the surface csg. Est top of cmt @ 200'. Perf & stimulate Grayburg & San Andres for production.

MUD PROGRAM: 0-450', spud mud; 450-2800', 10# brine wtr & gel; 2800-TD, 9.5# cut brine wtr. Vis 40-45, fluid loss 8-10 cc thru San Andres.

BOP PROGRAM: BOP to be tested before drilling below surface csg and before drilling thru anticipated oil & gas formations.



7. 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.

SIGNED CC Parson TITLE District Operation Engineer DATE 2-9-81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE DISTRICT ENGINEER DATE FEB 27 1981

CONDITIONS OF APPROVAL, IF ANY: