

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒MAR 08 1981
DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER O. C. D.

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

ARTESIA, OFFICE

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

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

898' SE

16. NO. OF ACRES IN LEASE

40

19. PROPOSED DEPTH

3550'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3682.1' GR

22. APPROX. DATE WORK WILL START*

3-21-81

23.

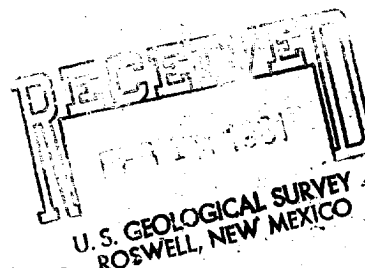
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{4}$ "	8 5/8"	24#	450'	300 sxs CIRCULATE
7 7/8"	5 $\frac{1}{2}$ "	15.5#	3550'	1100 sxs.

Dr1 12 $\frac{1}{4}$ " hole to 450'. Set csg @ 450'; Circ cmt. Dr1 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.



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

CC Parsons

TITLE District Operation Engineer

DATE 2-9-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: