

File ✓

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Location Amended

30-05-23502

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 ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Southland Royalty Company

3. ADDRESS OF OPERATOR
1100 Wall Towers West

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
At surface 660' FSL & 1980' FWL Sec 22, T-18-S, R-29-E
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
7.8 Miles SE of Artesia, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3458.5' Gr

5. LEASE DESIGNATION AND SERIAL NO.

LC 067132

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Empire Federal 1921 Comm

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

North Texas 1921 Comm

Undesignated Morrow

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

Sec 22, T-18-S, R-29-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

12-5-80

RECEIVED

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'	275 SX circ
11"	8 5/8"	24#	3200'	1180 SX circ
7 7/8"	4 1/2"	11.6#	11,450'	735 SX

OCT 20 1980

O. C. D.
ARTESIA, OFFICE

Proposed to set 11 3/4" csg to 350, circ cmt. Set 8 5/8" csg @ 3200' circ cmt. Drill to TD of 11,450' 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. 8500' if Morrow only productive. If intermediate horizons indicate production will run DV tool @ 9600+ and use additional cmt volumes to obtain better cmt over intermediate zone. Will perf & stimulate Morrow for production. Acid treatment to be determined on sand interval present, will use approx. 200 gals/ft. MUD PROGRAM: 0-350' spud mud; 350-3200' brine wtr, paper for lost circ & seepage; 3200-7500' fresh wtr; 7500-9500' cut brine wtr. 9.5#/gal; 9500-TD Flosal, Drispac, starch & gel bring wt. to 10.0#/gal. vis 40cc wl 6cc through the Morrow. No abnormal pressures anticipated w/BHP at TD expected to be 4500 psi. BOP PROGRAM: BOP to be installed on 11 3/4" double 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.

*Posted 10-1
+ API 300
10-20*

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 Donald R. Crang TITLE District Operation Engineer DATE 9-4-80
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Original signed by George N. Stewart, Acting Dist. Engr. DATE 10-15-80
CONDITIONS OF APPROVAL, IF ANY: