

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

NM OFFICE OF CONSERVATION  
Drawer DD  
Artesia, NM 88210

5. LEASE DESIGNATION AND SERIAL NO.

LC-063621-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Holly Federal "8"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated (Morrow)

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

Sec. 8, T-18-S, R-30-E

12. COUNTY OR PARISH 13. STATE

Eddy

N.M.

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START\*

10-1-82

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

RECEIVED 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

21 Desta Drive, Midland, Texas 79701 ARTESIA OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1980' FNL & 1980' FEL, Sec. 8, T-18-S, R-30-E

At proposed prod. zone

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

3 miles South 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)

1980'

16. NO. OF ACRES IN LEASE

2083.04

18. DISTANCE FROM PROPOSED LOCATION\*

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

N.A.

19. PROPOSED DEPTH

11,900'

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

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	11 3/4"	42#	275'	500 SX. <b>CIRCULATE</b>
11"	8 5/8"	28-24#	3350'	2000 SX. <b>CIRCULATE</b>
7 7/8"	4 1/2"	13.5-11.6#	11,900'	Volume may vary w/upper zone develop-

ment (TOC by Temp Survey)

Set surface csg @275' Anhydrite. Circ cmt. Drl 11" hole w/brine wtr & set 8 5/8" csg @ 3350'. Circ cmt. Drl to TD to tst Morrow & intermediate horizons. If commercial, run 4 1/2" csg to TD. Cmt w/sufficient volume to bring above all prospective zones. Estimated TOC @ 8500'. Perf & stimulate Morrow for production.

MUD PROGRAM: 0-275' spud mud; 275-3350' brine wtr; 3350-8300' cut brine wtr; 8300-10,500' cut brine, gel, Drispac; 10,500-TD cut brine, gel, Drispac & 3% KCL. MW 9.3-9.5, VIS 34-35, FL 6 cc thru Morrow. BHP @ TD expected to be 4000 psi.

BOP PROGRAM: BOP to be installed on 11 3/8" Double 10" Ser 900. BOP to be installed on 8 5/8" Double 10" Ser 900 plus 10" Ser 900 Hydril plus drilling head. Test BOP w/Yellow Jacket, Inc. after setting on 8 5/8". Test BOP @ 8000'.

GAS 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 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

F. N. Raul

TITLE District Operations Engineer

DATE

9/15/82

(This space for Federal or State office use)

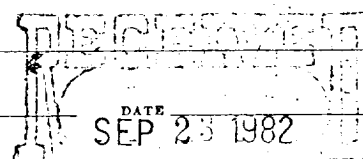
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

\*See Instructions On Reverse Side