

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY30-045-24832  
5. LEASE DESIGNATION AND SERIAL NO.

SF-076958

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

HARE

9. WELL NO.

#20E

10. FIELD AND POOL, OR WILDCAT  
Undesignated Chacra/  
Basin Dakota11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 14, T29N, R10W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

## 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

P. O. Drawer 570, Farmington, NM 87401

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

J 1700' FSL &amp; 1580' FEL

At proposed prod. zone

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

Approximately 4 miles east of Bloomfield, NM

15. DISTANCE FROM PROPOSED\*

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

260'

16. NO. OF ACRES IN LEASE

2403.04

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

5/320.10 + 160.28

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

640'

19. PROPOSED DEPTH

6816'

20. ROTARY OR CABLE TOOLS

Rotary

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

5761' GR

22. APPROX. DATE WORK WILL START\*

April 15, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	10 3/4"	32.75#	200'	136 sx
7 7/8"	5 1/2"	15.5#	6816'	242 sx Stage One
				600 sx Stage Two
				486 sx Stage Three

This action is subject to administrative  
appeal pursuant to 30 CFR 290.

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1117'.

Top of Pictured Cliffs sand is at 2149'.

Fresh water mud will be used to drill from surface to total depth.

It is anticipated that an IES log will be run from total depth to surface  
casing and a GR-Density log from total depth to 1700'.

No abnormal pressures or poisonous gases are anticipated in this well.

It is expected that this well will be drilled before June 15, 1981.

This depends on time required for approvals, rig availability and the  
weather.

Gas is dedicated.

DRAFTING DEPARTMENT AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

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 workover preventer program, if any.

24.

SIGNED

R. E. Fielder

TITLE District Engineer

DATE 1-16-81

(This space for Federal or State use)

APPROVED

PERMIT NO.

AS AMENDED

APPROVAL DATE

APPROVED BY

FEB 02 1981  
JAMES F. SIMS  
DISTRICT ENGINEER

TITLE

DATE

NMOCC