

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## 2. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒OTHER ☐SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 3. NAME OF OPERATOR

Southland Royalty Company

## 4. ADDRESS OF OPERATOR

P. O. Drawer 570, Farmington, New Mexico 87499

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

At surface

1850' FNL &amp; 1650' FEL

At proposed prod. zone

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

2 miles West of Farmington, New Mexico

## 7. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

\*Also to nearest dirg. unit line, if any.

1650'

## 8. DISTANCE FROM PROPOSED LOCATION\*

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

3200'

## 9. ELEVATIONS (Show whether DF, RT, GR, etc.)

5438' GL

## 10. NO. OF ACRES IN LEASE

750.85

## 11. PROPOSED DEPTH

5950'

## 12. NO. OF ACRES ASSIGNED

TO THIS WELL

320

## 13. ROTARY OR CABLE TOOLS

Rotary

## 14. APPROX. DATE WORK WILL START\*

December 31, 1983

## 15. 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#, K-55	200'	165 cu.ft. (Circulate to surface)
7-7/8"	4-1/2"	10.5#, K-55	5950'	Stage 1: 441 cu.ft. Cover Gallup Stage 2: 599 cu.ft. Cover Cliff House Stage 3: 355 cu.ft. Cover Fruitland

Surface formation is Kirtland Shale.

Top of Fruitland sand is at 763'.

Top of Pictured Cliffs sand is at 964'.

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

It is anticipated that and an IEL and FDC/CNL logs will be run from total depth to surface casing.

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

It is expected that this well will be drilled before January 30, 1984.

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

Gas is 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 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

TITLE District Engineer

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

DATE

AS AMENDED

JAN 13 1984

AREA MANAGER  
FARMINGTON RESOURCE AREA

NMOCC

All distances must be from the outer boundaries of the Section.

Operator <b>SOUTHLAND ROYALTY COMPANY</b>			Lease <b>LOCKE</b>		Well No. <b>2</b>
Unit Letter <b>G</b>	Section <b>10</b>	Township <b>29N</b>	Range <b>11W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1850</b> feet from the <b>North</b> line and <b>1650</b> feet from the <b>East</b> line					
Ground Level Elev. <b>5438' GL</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin</b>		Dedicated Acreage: <b>320</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

<p><b>RECEIVED</b> <b>DEC 23 1983</b> BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA</p>		<p>1850'</p>	
		<p>1650'</p>	
<p>Sec.</p>		<p>SF-078110</p>	
<p>10</p>			

Scale: 1"=1000'

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*R. E. Fielder*

Name

**R. E. Fielder**

Position

**District Engineer**

Company

**Southland Royalty Company**

Date

**12/21/83**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

**December 7, 1983**

Registered Professional Engineer  
and Land Surveyor

*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**

Certificate No.

**3950**

RECEIVED

1935  
OLD CON. DIV.  
DIST. 3

KIR  
NEW  
7.5 MIN  
744

PROPOSED LOCATION  
EXISTING LOCATIONS  
PROPOSED ROAD  
EXISTING ROADS

Vicinity Map for  
SOUTHLAND ROYALTY COMPANY #2 LOCKE  
1850'FNL 1650'FEL Sec. 10-T29N-R14W  
SAN JUAN COUNTY, NEW MEXICO

