

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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, New Mexico 87401

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

At surface

1810' FSL &amp; 860' FEL

At proposed prod. zone

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

8 miles East of Farmington, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

860'

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

500'

## 16. NO. OF ACRES IN LEASE

617.80

## 19. PROPOSED DEPTH

6675'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

5777' GL

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

June 15, 1981

## 23. 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#	200'	165 cu.ft. - Circ to surface
7-7/8"	4-1/2"	10.5#	6675' Stage 1	320 cu.ft. - Cover Gallup
			Stage 2	566 cu.ft. - Cover Chacra
			Stage 3	506 cu.ft. - Cover Ojo Alamo

Surface formation is Nacimientos.

Top of Ojo Alamo sand is at 741'.

Top of Pictured Cliffs sand is at 1953'.

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

It is anticipated that an IEL will be run from total depth to surface casing and  
GR-Density be run from total depth to 1500'.

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

It is expected that this well will be drilled before September 1, 1981.

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

Gas is 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

*J. E. Fidler*

TITLE District Engineer

DATE 4/30/81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

MAY 14 1981

JAMES F. SIMS  
DISTRICT ENGINEER

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

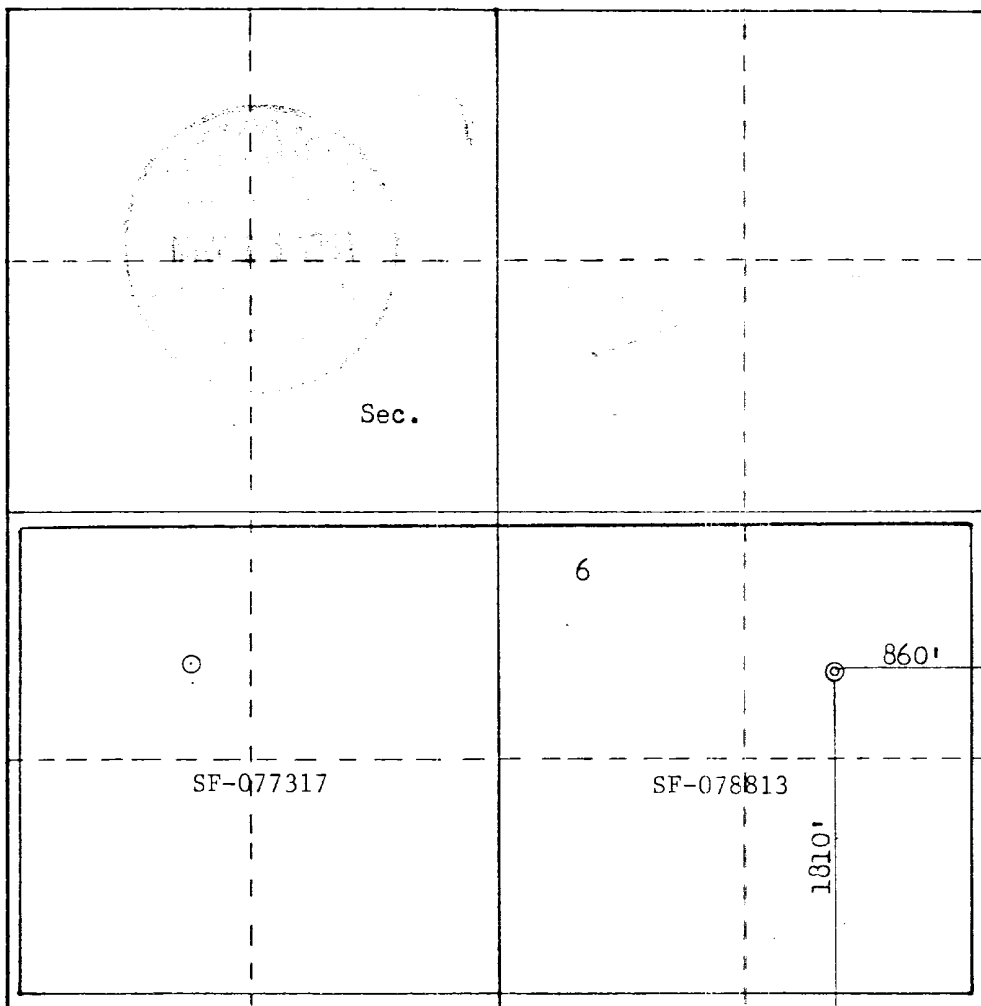
Operator <b>SOUTHLAND ROYALTY COMPANY</b>			Lease <b>COOPER</b>		Well No. <b>3E</b>
Unit Letter <b>I</b>	Section <b>6</b>	Township <b>29N</b>	Range <b>11W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1810</b> feet from the <b>South</b> line and <b>860</b> feet from the <b>East</b> line					
Ground Level Elev: <b>5777</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>		Dedicated Acreage: <b>320</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.



Scale: 1"=1000'

CERTIFICATION

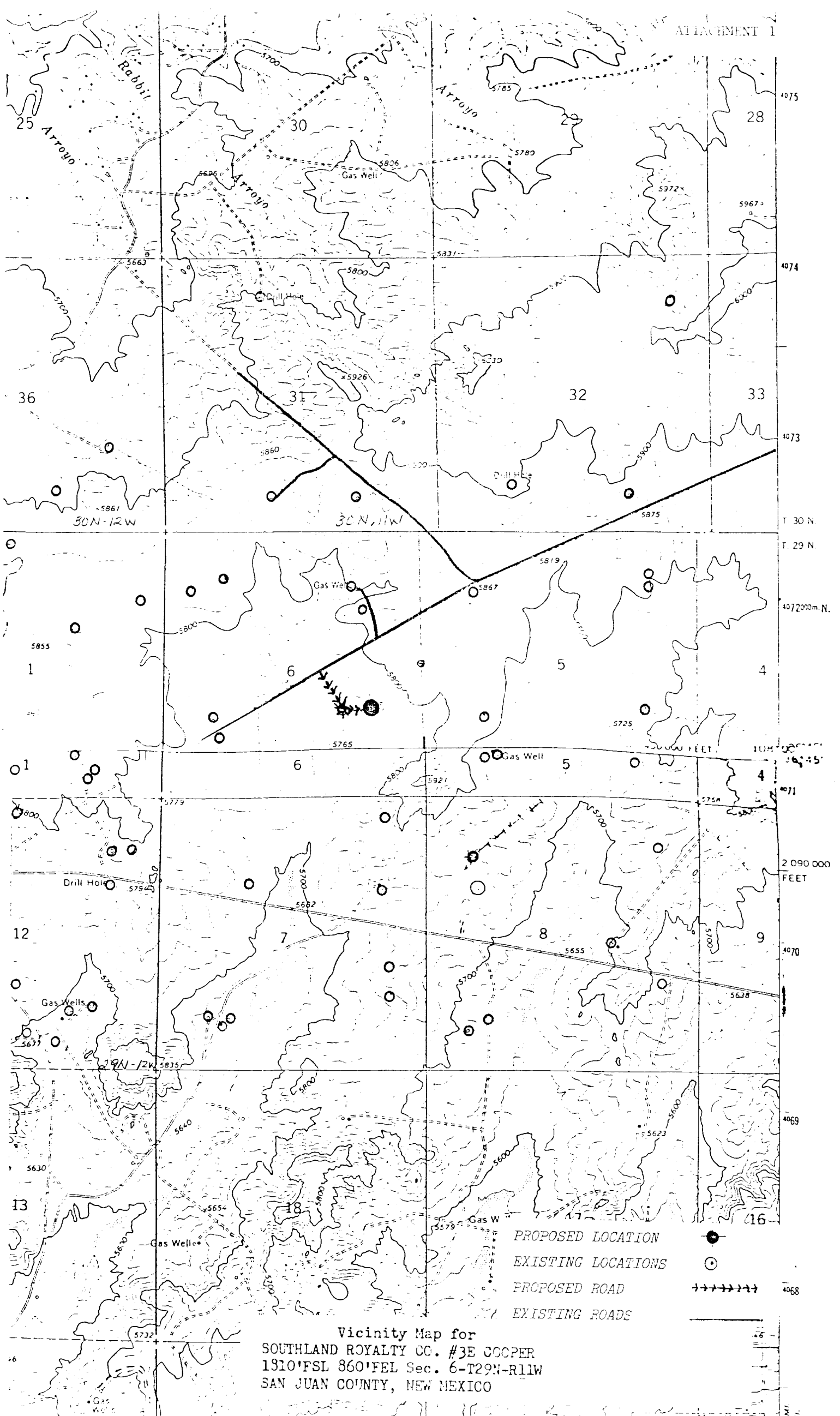
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*R. E. Fielder*

Name  
**Robert E. Fielder**  
Position  
**District Engineer**  
Company  
**Southland Royalty Company**  
Date  
**April 30, 1981**

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  
**January 8, 1981**  
Registered Professional Engineer and Land Surveyor  
*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**  
Certificate No.  
**3950**



Vicinity Map for  
SOUTHLAND ROYALTY CO. #3E COOPER  
1910'FSL 860'FEL Sec. 6-T29N-R11W  
SAN JUAN COUNTY, NEW MEXICO