

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY30-045-25037  
5. LEASE DESIGNATION AND SERIAL NO.

SF-080781

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cain

9. WELL NO.

22

10. FIELD AND POOL, OR WILDCAT  
Basin Dakota

Blanco Mesa Verde

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

C Section 31, T29N, R9W

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

## 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

790' FNL &amp; 790' FWL

At proposed prod. zone

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

18 miles East of Bloomfield, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

790'

## 16. NO. OF ACRES IN LEASE

2258.46

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

N/251.73

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

1800'

## 19. PROPOSED DEPTH

6670'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

5711' GL

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO FINANCE WITH ATTACHED

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

May 25, 1981

## 23. PROPOSED CASING AND CEMENTING PROGRAM

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

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	
12-1/4"	8-5/8"	24#	200'	165 cu.ft. - Circ to surface
7-7/8"	5-1/2"	15.5#	6670'	253 cu.ft. - Cover Gallup
			Stage 1:	469 cu.ft. - Cover Chacra
			Stage 2:	327 cu.ft. - Cover Ojo Alamo
			Stage 3:	

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1052'

Top of Pictured Cliffs sand is at 2031'

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 will 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 August 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

*R. E. Fielder*

TITLE

District Engineer

DATE

5/01/81

(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

ACING

NIAOCC

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

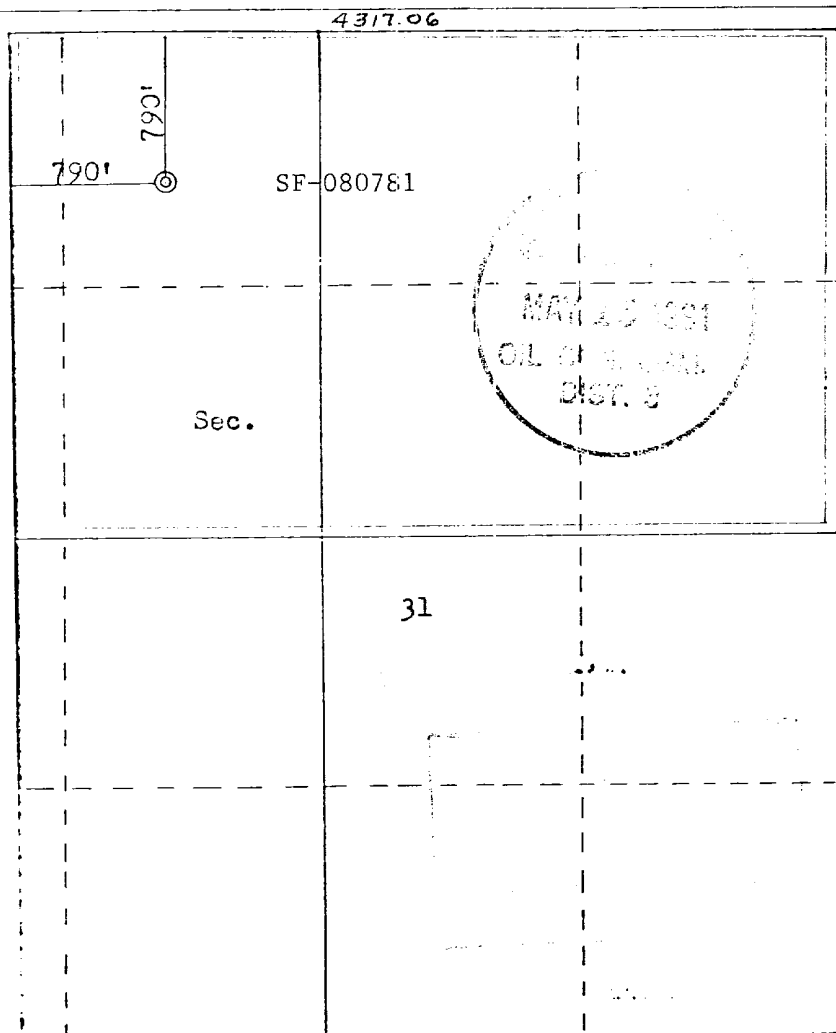
Operator <b>SOUTHLAND ROYALTY COMPANY</b>			Lessee <b>CAIN</b>		Well No. <b>22</b>
Unit Letter <b>C</b>	Section <b>31</b>	Township <b>29N</b>	Range <b>9W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>790</b> feet from the <b>North</b> line and <b>790</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5711</b>	Producing Formation <b>Mesa Verde/Dakota</b>		Pool <b>Blanco/Basin</b>		Dedicated Acreage: <b>251.73</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.



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  
May 1, 1981

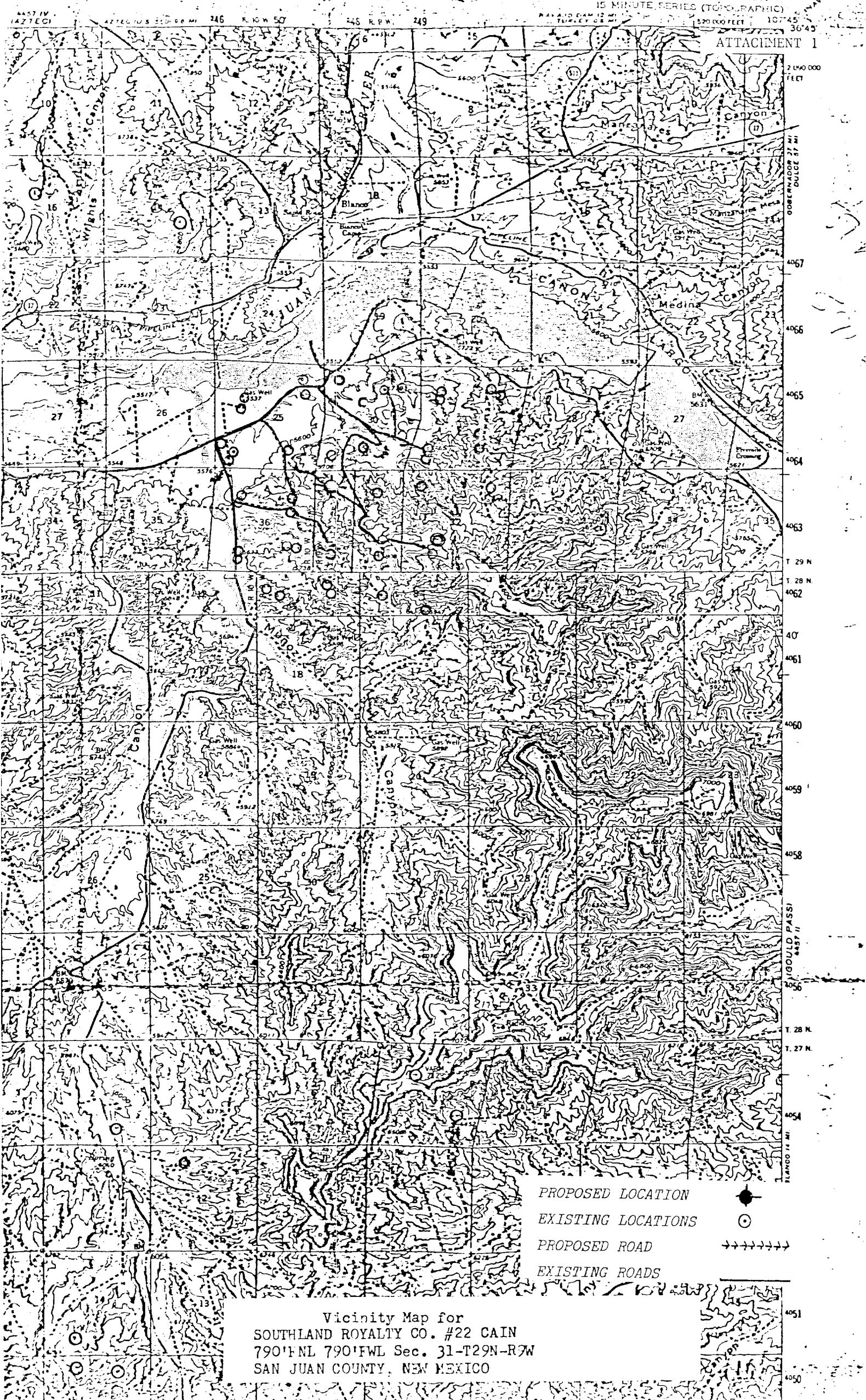
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
January 13, 1981

Registered Professional Engineer  
and Land Surveyor

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

Certificate No.  
3950



PROPOSED LOCATION  
EXISTING LOCATIONS  
PROPOSED ROAD  
EXISTING ROADS

Vicinity Map for  
SOUTHLAND ROYALTY CO. #22 CAIN  
790°E NL 790°FWL Sec. 31-T29N-R7W  
SAN JUAN COUNTY, NEW MEXICO