

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-25328

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.

15-0 m

10. FIELD AND POOL, OR WILDCAT

Basin Dakota  
Blanco Mesa Verde11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

J 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 87499-0570

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

At surface

1730' FSL &amp; 1520' FEL

At proposed prod. zone

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

JAN 22 1982

6 miles South of Blanco, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1520'

18. DISTANCE FROM PROPOSED LOCATION\*

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

500'

16. NO. OF ACRES IN LEASE

FARMINGTON, N. M.

2258.46'

19. PROPOSED DEPTH

6725'

17. NO. OF ACRES ASSIGNED

TO THIS WELL

220 S 251.01

20. ROTARY OR CABLE TOOLS

Rotary

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

5783'

22. APPROX. DATE WORK WILL START\*

February 15, 1982

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"       | 5-1/2"         | 15.5#           | 6725'         | Stge 1: 245 cu.ft. (Cover Gallup)    |
|              |                |                 |               | Stge 2: 521 cu.ft. (Cover Chacra)    |
|              |                |                 |               | Stge 3: 342 cu.ft. (Cover Ojo Alamo) |

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 985'.

Top of Pictured Cliffs sand is at 2080'.

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 1600'.

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

It is expected that this well will be drilled before April 1, 1982.

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 production zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. If blowout preventer program, if any.

24.

SIGNED

R. E. Fielder

TITLE

District Engineer

DATE

January 19, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

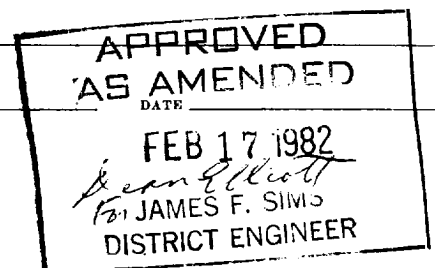
CONDITIONS OF APPROVAL, IF ANY:

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"Lake  
JRF/152

N ~ 4 3-365

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

NMOCC

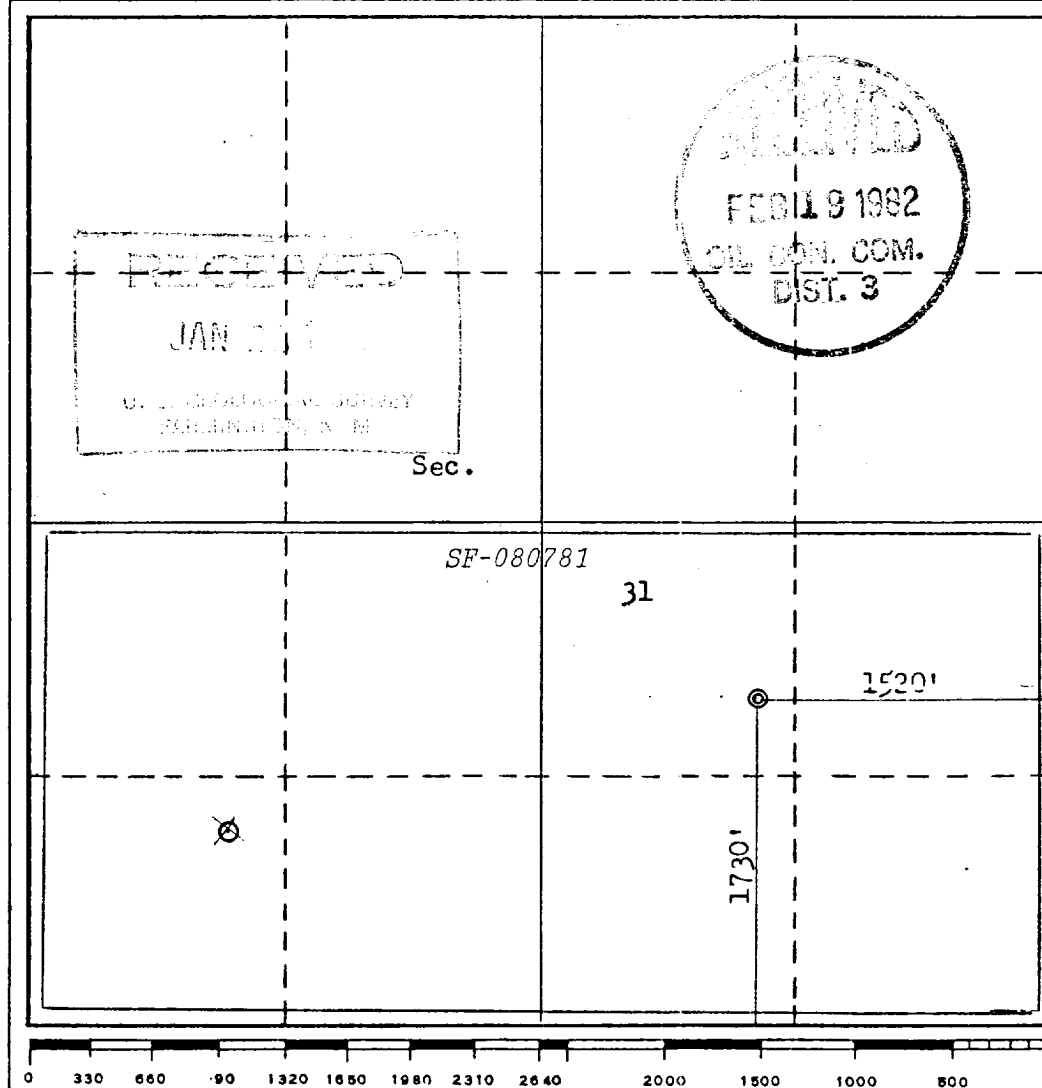


## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-102  
Revised 10-1-78

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

|  |   |                        |                             |                           |   |
|--|---|------------------------|-----------------------------|---------------------------|---|
| Operator<br><b>SOUTHLAND ROYALTY COMPANY</b>   |   | Lease<br><b>CAIN</b>   |                             | Well No.<br><b>150 /h</b> |   |
| Unit Letter<br><b>J</b>  | Section<br><b>31</b>                            | Township<br><b>29N</b> | Range<br><b>9W</b>          | County<br><b>San Juan</b> |   |
| Actual Footage Location of Well:<br><b>1730</b> feet from the <b>South</b> line and <b>1520</b> feet from the <b>East</b> line   |   |                        |                             |                           |   |
| Ground Level Elev.<br><b>5783</b>  | Producing Formation<br><b>Dakota/Mesa Verde</b> |                        | Pool<br><b>Basin/Blanco</b> |                           | Dedicated Acreage:<br><b>320 5 2.51</b> Acres |
| <p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>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).</p> <p>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?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation _____</p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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> |   |                        |                             |                           |   |



## 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

January 19, 1982

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

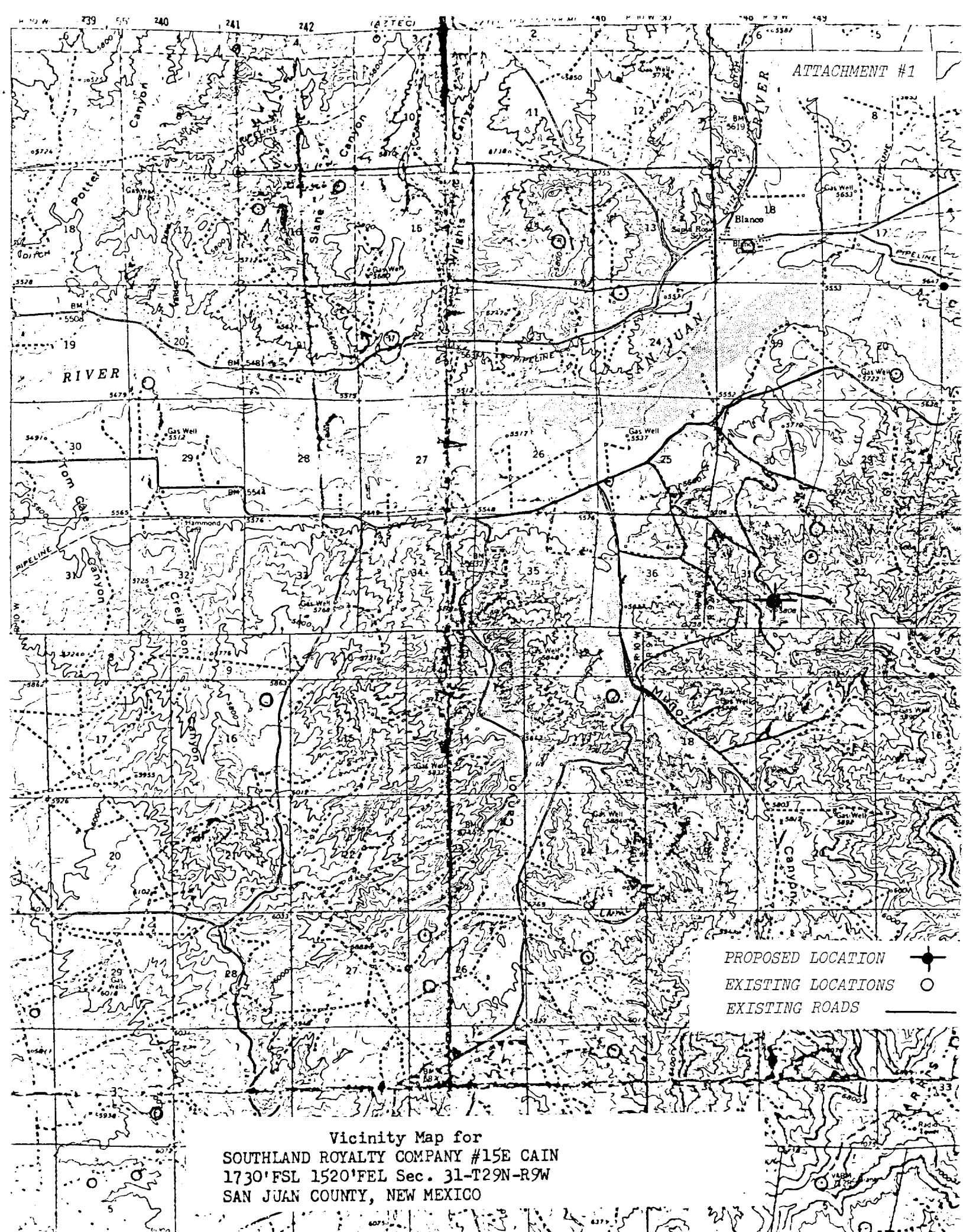
January 19, 1982

Registered Professional Engineer and/or Land Surveyor

*Fred E. Kerr Jr.*

Certificate No.

3950



Vicinity Map for  
SOUTHLAND ROYALTY COMPANY #15E CAIN  
1730' FSL 1520' FEL Sec. 31-T29N-R9W  
SAN JUAN COUNTY, NEW MEXICO