

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-25331
5. LEASE DESIGNATION AND SERIAL NO.

SF-078115

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Grier

9. WELL NO.

15-E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

K Section 18, T31N, R11W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

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 87401-0570

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

At surface

1520' FSL & 1560' FWL

At proposed prod. zone

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

8 miles West of Aztec, New Mexico

15. DISTANCE FROM PROPOSED*

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

1100'

16. NO. OF ACRES IN LEASE

2439.39'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

W 320.40

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

300'

19. PROPOSED DEPTH

7306'

20. ROTARY OR CABLE TOOLS

Rotary

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

6058' GL

22. APPROX. DATE WORK WILL START*

March 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"	9-5/8"	32.30#	200'	130 cu.ft. (Circ. to surface)
8-3/4"	7"	23#	4798'	Stge 1: 149 cuft (Cover Cliff House)
6-1/4"	4-1/2"	10.50#	4648'-6800'	Stge 2: 421 cuft (Cover Ojo Alamo)
		11.60#	6800'-7306'	469 cu.ft.

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 958'.

Top of Pictured Cliffs sand is at 2608'.

Fresh water mud will be used to drill from surface to intermediate total depth, and an air system will be used from intermediate total depth to total depth.

It is anticipated that an IES and GR-Density will be run from intermediate total depth to surface casing and GR-Induction and GR-Density be run from total depth to intermediate casing.

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

It is expected that this well will be drilled before June 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 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 January 27, 1982

(This space for Federal or State office use)

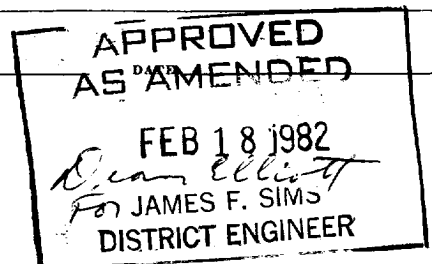
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



AMOCG

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

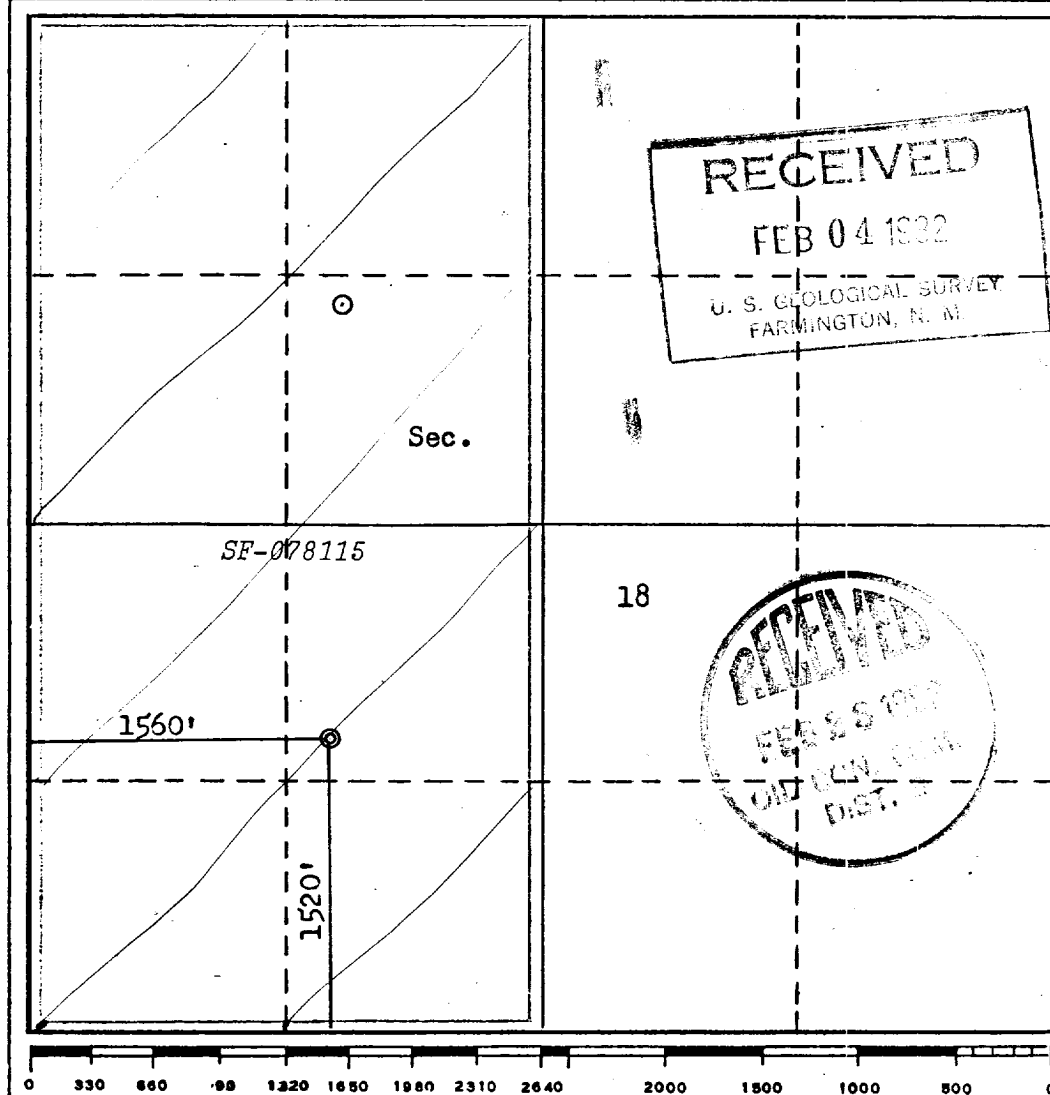
Operator SOUTHLAND ROYALTY COMPANY			Lease GRENIER		Well No. 15E
Unit Letter K	Section 18	Township 31N	Range 11W	County San Juan	
Actual Footage Location of Well: 1520 feet from the South line and 1560 feet from the West line					
Ground Level Elev. 6058	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: W 320.40 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.



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 27, 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 27, 1982

Registered Professional Engineer and/or Land Surveyor

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

Certificate No.

3950

