

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, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1860' FSL & 1110' FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 2 1/2 miles east of Aztec, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 1110'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 40'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5925' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|-------------------------------|
| 13 3/4" | 10 3/4" | 32.75# | 200' | 136 sx (160 cu.ft.) |
| 9 7/8" | 7 5/8" | 26.40# | 4670' | 150 sx Stage One (208 cu.ft.) |
| | | | | 360 sx Stage Two (521 cu.ft.) |
| 6 3/4" | 5 1/2" | 15.5# | 4520' - 6700' | |
| | 5 1/2" | 17.0# | 6700' - 7154' | 250 sx (73 cu.ft.) |

Surface formation is Nacimiento.
Top of Ojo Alamo sand is at 1175'.
Top of Pictured Cliffs sand is at 2470'.
Fresh water mud will be used to drill from surface to intermediate total depth.
An air system will be used to drill from intermediate total depth to total depth.
It is anticipated that an IES log will be run from intermediate total depth to surface casing,
and a GR-Induction and GR-Density log will be run from total depth to intermediate casing.
No abnormal pressures or poisonous gases are anticipated in this well.
It is anticipated that this well will be drilled before June 21, 1981. This depends on time
required for approvals, rig availability and the weather.
Gas is dedicated.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLETION WITH ATTACHED
This action is subject to administrative
appeal pursuant to 30 CFR 290.

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. Fickler TITLE District Engineer DATE 1-22-81

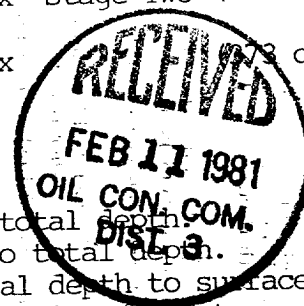
(This space for Federal or State office use)

PERMIT NO. 10012 APPROVAL DATE FEB 11 1981
APPROVED BY R. E. Fickler TITLE District Engineer DATE 1-22-81
CONDITIONS OF APPROVAL, IF ANY: SIMS

NMOCC

30-145-24891
5. LEASE DESIGNATION AND SERIAL NO.
SF-078198
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
NYE
9. WELL NO.
#11E
10. FIELD AND POOL, OR WILDCAT
Basin Dakota
11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 1, T30N, R11W
12. COUNTY OR PARISH
San Juan
13. STATE
NM

17. NO. OF ACRES ASSIGNED TO THIS WELL
320 W/322.25
20. ROTARY OR CABLE TOOLS
Rotary
22. APPROX. DATE WORK WILL START*
March 21, 1981



Handwritten notes: 10012 for NSL

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

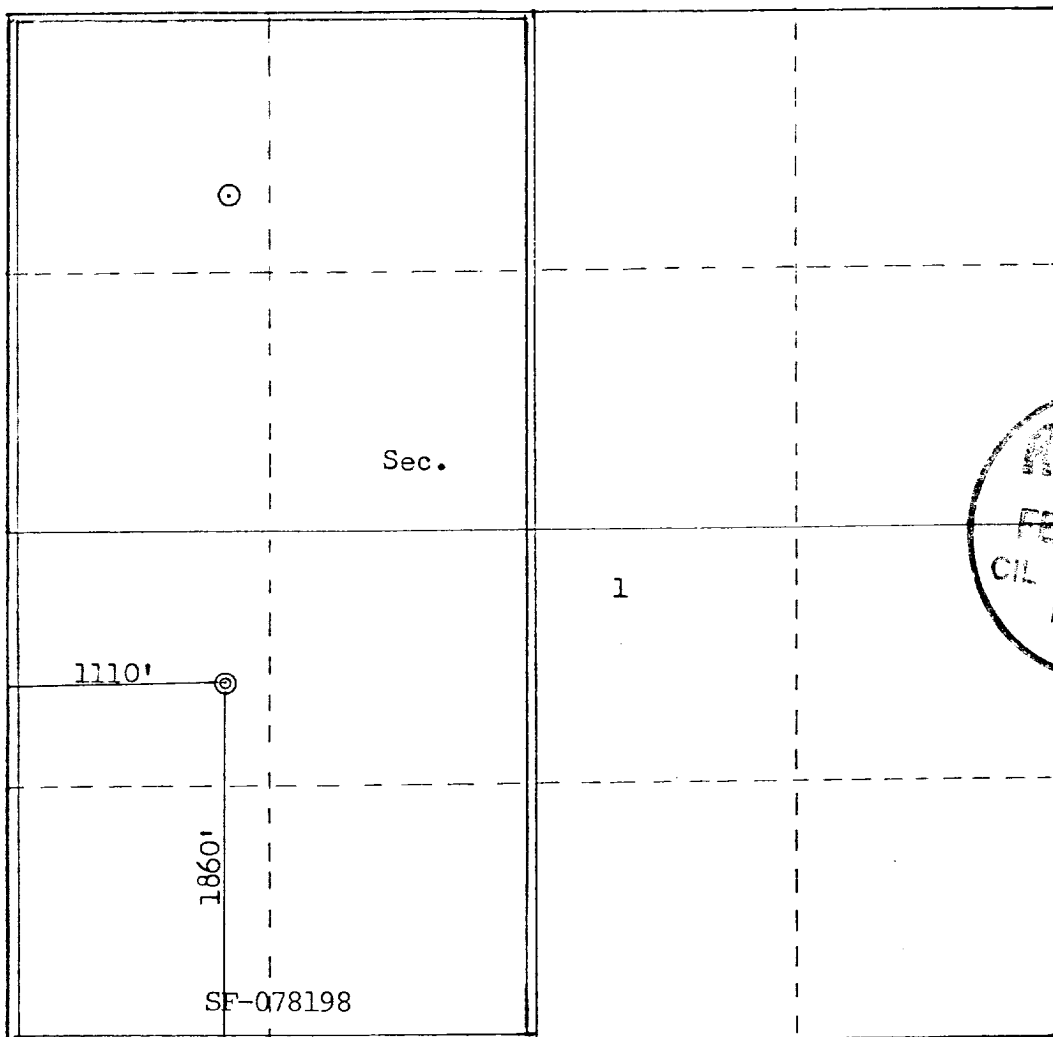
| | | | | | |
|--|--------------------------------------|------------------------|----------------------|---------------------------|---|
| Operator SOUTHLAND ROYALTY COMPANY | | | Lease NYE | | Well No. 11E |
| Unit Letter L | Section 1 | Township 30N | Range 11W | County San Juan | |
| Actual Footage Location of Well: 1860 feet from the South line and 1110 feet from the West line | | | | | |
| Ground Level Elev. 5925 | Producing Formation Dakota | | Pool Basin | | Dedicated Acreage: 320 332.25 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.



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
January 22, 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
December 30, 1980

Registered Professional Engineer and Land Surveyor

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

Certificate No. MEX 3950
FRED B. KERR, JR.

