

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

810' FNL & 1050' FWL

At proposed prod. zone

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

Approximately 3 1/2 miles NE of Bloomfield, NM

15. DISTANCE FROM PROPOSED*

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

910'

16. NO. OF ACRES IN LEASE

915.29

18. DISTANCE FROM PROPOSED LOCATION*

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

600'

19. PROPOSED DEPTH

7010'

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

5942' Gr

12. COUNTY OR PARISH

San Juan

13. STATE

NM

17. NO. OF ACRES ASSIGNED

THIS WELL

N/293.29-320

20. ROTARY OR CABLE TOOL

Rotary

22. APPROX. DATE WORK WILL START*

May 3, 1981

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.)
7 7/8"	5 1/2"	15.5#	7010'	175 sx Stage One (245 cu.ft.)
				510 sx Stage Two (744 cu.ft.)
				540 sx Stage Three (789 cu.ft.)

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1262'.

Top of Pictured Cliffs sand is at 2369'.

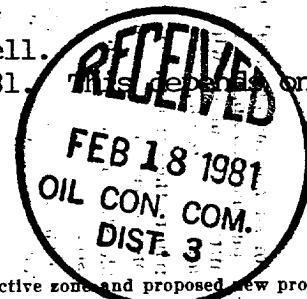
Fresh water mud will be used to drill from surface to total depth.

It is anticipated that an IES log will be run from total depth to surface casing and a GR-Density log from total depth to 1800'.

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

It is expected that this well will be drilled before August 15, 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 1-20-81

(This space for Field Office use)

PERMIT NO.

AS AMENDED

APPROVAL DATE

APPROVED BY

FEB 13 1981
JAMES F. SIMS
DISTRICT ENGINEER

TITLE

DATE

mv 4/10/81
3-499
Sub 4/10/81
3-206

WOCG

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

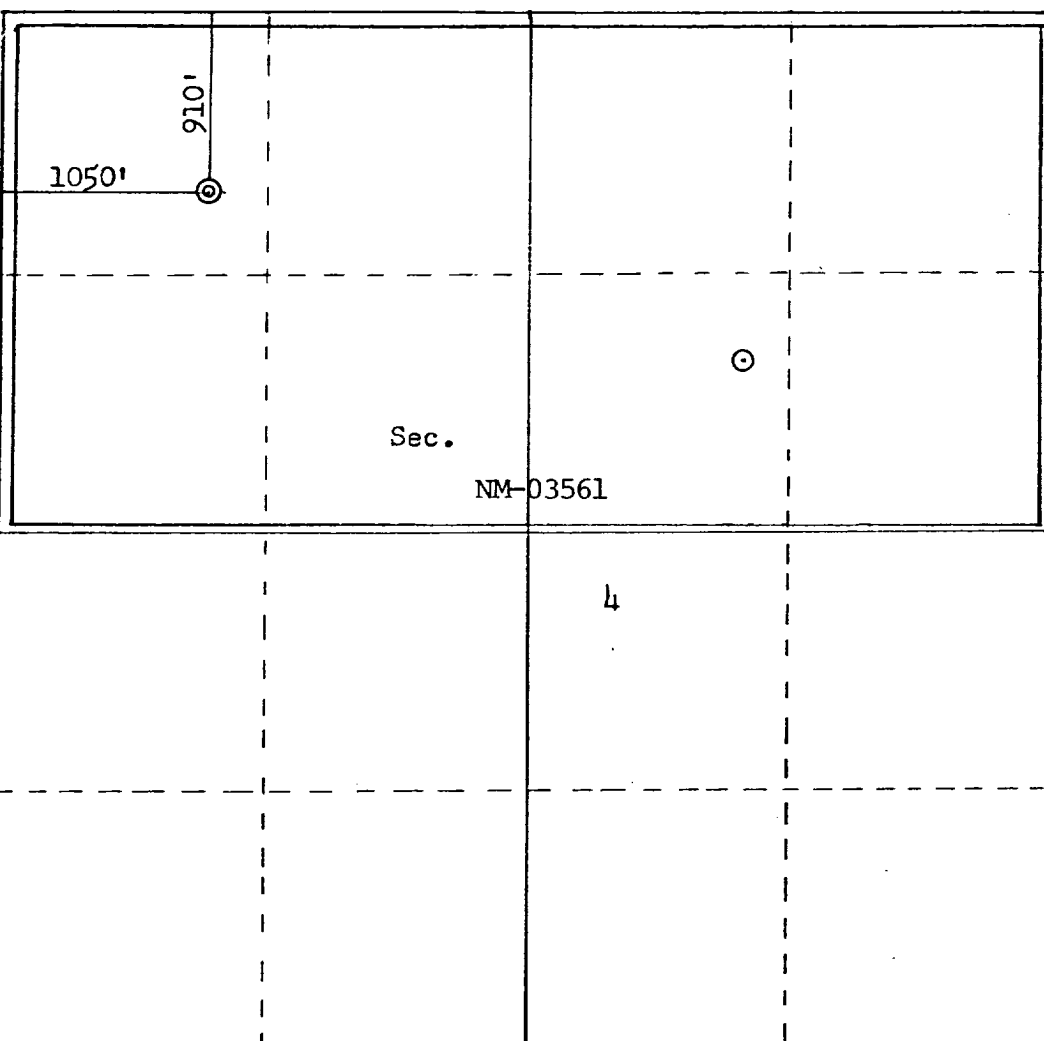
Operator SOUTHLAND ROYALTY COMPANY			Lease GRENIER "B"		Well No. LM
Unit Letter D	Section 4	Township 29N	Range 10W	County San Juan	
Actual Footage Location of Well: 910 feet from the North line and 1050 feet from the West line					
Ground Level Elev: 5942	Producing Formation Mesa Verde/Dakota		Pool Blanco/Basin		Dedicated Acreage: 320 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.

Robert E. Fielder

Name
Robert E. Fielder

Position
District Engineer

Company
Southland Royalty Company

Date
January 20, 1981

RECEIVED
FEB 18 1981
OIL CON. COM.
DIST. 3

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 29, 1980

Registered Professional Engineer and Land Surveyor

Fred B. Kerr
Fred B. Kerr

Certificate No.
3950

