

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

1110' FSL & 790' FWL

At proposed prod. zone

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

Approximately 6 1/2 miles southwest of Bloomfield

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

480.00

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

300'

19. PROPOSED DEPTH

6650'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

120.58

20. ROTARY OR CABLE TOOLS

Rotary

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

6095' Gr

22. APPROX. DATE WORK WILL START*

March 23, 1981

23.

PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to the following

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.
7 7/8"	4 1/2"	10.5#	6650'	342 cu. ft. -Stage 1
				431 cu. ft. -Stage 2
				513 cu. ft. -Stage 3

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 801'.

Top of Pictured Cliffs sand is at 1848'.

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 1550'.

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

It is expected that this well will be drilled before May 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. Fidler

TITLE

District Engineer

DATE

2-18-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*ch 3m*APPROVED
AS AMENDEDMAR 17 1981
James F. Sims
JAMES F. SIMS
DISTRICT ENGINEER

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

Operator SOUTHLAND ROYALTY COMPANY			Lease FRONTIER "D"		Well No. 1E
Unit Letter M	Section 5	Township 27N	Range 11W	County San Juan	
Actual Footage Location of Well: 1110 feet from the South line and 790 feet from the West line					
Ground Level Elev. 6095	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: 320, 58 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 Communitized

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

February 18, 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 27, 1981

Registered Professional Engineer and Land Surveyor

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

Certificate No.

3950

