

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.)

1670' ENL & 865' FFL

At proposed prod. zone

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

Approximately 2 1/2 miles southwest of Farmington, NM

15. DISTANCE FROM PROPOSED*

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

865'

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

1200'

16. NO. OF ACRES IN LEASE

200.00

19. PROPOSED DEPTH

1490'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATION (Show whether DE, RT, GR, etc.)

5563' GR

22. APPROX. DATE WORK WILL START*

March 1, 1981

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#	140'	118 cu. ft.
6 3/4"	2 7/8"	6.5#	1490'	412 cu. ft.

Surface formation is Kirtland Shale.

Top of Fruitland sand is at 1109'.

Top of Pictured Cliffs sand is at 1250'.

It is expected that an IES and GR-Density log will be run at Total Depth.

Fresh water mud will be used to drill from surface to Total Depth.

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

It is expected that this well will be drilled before June 30, 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

TITLE District Engineer

DATE 2-17-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

DATE

APR 02 1981

JAMES F. SIMS

DISTRICT ENGINEER

WACOR

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

Operator SOUTHLAND ROYALTY COMPANY			Lease ELLIOT-FEDERAL		Well No. 1
Unit Letter H	Section 30	Township 29N	Range 13W	County San Juan	
Actual Footage Location of Well: 1670 feet from the North line and 865 feet from the East line					
Ground Level Elev. 5568	Producing Formation Pictured Cliffs		Pool West Kutz	Dedicated Acreage: 160 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.

		Sec.	
		30	

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
Robert E. Fielder

Position
District Engineer

Company
Southland Royalty Company

Date
February 13, 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 2, 1981

Registered Professional Engineer and Land Surveyor
Fred E. Kerr Jr.

Certificate No.
2050