

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, New Mexico 87401

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

At surface

1850' FSL & 790' FEL

At proposed prod. zone

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

15 miles East of Bloomfield, New Mexico FARMINGTON, N. M.

15. DISTANCE FROM PROPOSED*

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

790'

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

100'

16. NO. OF ACRES IN LEASE

2337.48

19. PROPOSED DEPTH

6670'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

5 302.28 / 160

20. ROTARY OR CABLE TOOLS

Rotary

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

5865' GL

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLY WITH ATTACHED

22. APPROX. DATE WORK WILL START*

July 3, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to administrative
appeal pursuant to 42 CFR 200.

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. - Circ to surface
7-7/8"	5-1/2"	15.5#	6670' Stage 1	253 cu.ft. - Cover Gallup
			Stage 2	484 cu.ft. - Cover Chacra
			Stage 3	312 cu.ft. - Cover Ojo Alamo

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1116'.

Top of Pictured Cliffs sand is at 2042'.

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

It is anticipated that an IEL will be run from total depth to surface casing and
GR-Density from total depth to 1600'.

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

It is expected that this well be drilled before October 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. Core blowout preventer program, if any.

24.

SIGNED

P. E. Fildes

TITLE District Engineer

DATE 4/30/81

(This space for Federal or State office use)

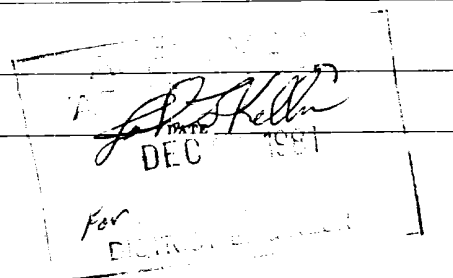
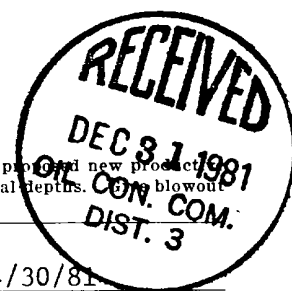
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



NMOCC

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

Operator SOUTHLAND ROYALTY COMPANY			Lease REID		Well No. 21E
Unit Letter I	Section 19	Township 28N	Range 9W	County San Juan	
Actual Footage Location of Well: 1850 feet from the South line and 790 feet from the East line					
Ground Level Elev: 5865	Producing Formation Dakota/Chacra		Pool Basin/Undesignated		Dedicated Acreage: 5.865 / 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.


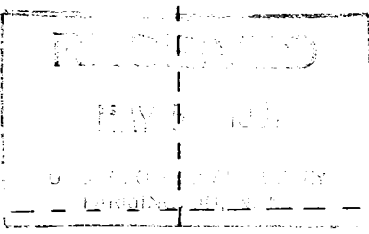
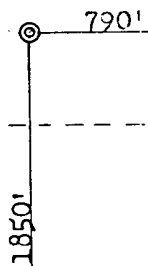
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

			
Sec.		19	
NM-01772-A			

Scale: 1"=1000'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>R. E. Fielder</i>	
Name	Robert E. Fielder
Position	District Engineer
Company	Southland Royalty Company
Date	April 30, 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 6, 1981
Registered Professional Engineer and Land Surveyor	
<i>Fred B. Kerr Jr.</i>	
Certificate No.	3950



Vicinity Map for
SOUTHLAND ROYALTY CO. #21E REID
1850' FSL 790' FEL Sec. 19-T28N-R9W
SAN JUAN COUNTY, NEW MEXICO