

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1850' FNL & 1470' FEL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
12-1/2 miles Northwest of Aztec, New Mexico

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)
1470'

16. NO. OF ACRES IN LEASE
2439.39

17. NO. OF ACRES ASSIGNED TO THIS WELL
E 320

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
200'

19. PROPOSED DEPTH
7790'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6508' GL
DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

22. APPROX. DATE WORK WILL START*
September 1, 1984

This action is subject to administrative
appeal pursuant to 30 CFR 290.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	New 9-5/8"	32.30#, H-40	200'	124 cu.ft. (Circulate to surface)
8-3/4"	New 7"	23#, K-55	5340' Stge 1	153 cu.ft. (Cover Cliff House)
			Stge 2	398 cu.ft. (Cover Ojo Alamo)
6-1/4"	New 4-1/2"	10.50#, K-55	5140'-7000'	462 cu.ft.
6-1/4"	New 4-1/2"	11.60#, K-55	7000'-7790'	

Surface formation is San Jose.

Top of Ojo Alamo sand is at 1560'.

Top of Pictured Cliffs sand is at 3158'.

Fresh water mud will be used to drill to intermediate TD and air will be used from Intermediate TD to TD using 50/50 nitrogen from top Gallup to TD.

It is anticipated that an IES and GR-Density will be run at Intermediate TD to surface casing and an GR-Induction and GR-Density will be run from TD to intermediate casing.

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

It is expected that this well will be drilled before September 30, 1984.

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 Dist. Operations Engineer

APPROVED

(This space for Federal or State use)

PERMIT NO.

APPROVAL DATE

AS AMENDED

JUL 23 1984

APPROVED BY CONDITIONS OF APPROVAL ANY:

DATE

7/21 Stan McKee

AREA MANAGER
FARMINGTON RESOURCE AREA

OIL CON. DIV.
DIST. 3

OIL CON. DIV.
DIST. 3

*See Instructions On Reverse Side

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

Operator Southland Royalty Company			Lease Grenier		Well No. 16E
Unit Letter G	Section 6	Township 31N	Range 11W	County San Juan	
Actual Footage Location of Well: 1850 feet from the North line and 1170 feet from the East line					
Ground Level Elev. 6508' GL	Producing Formation Dakota		Pool 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.

<p>RECEIVED JUL 9 1984 OIL CON. DIV. DIST. 3</p>		<p>1850'</p>	
		<p>1170'</p>	
<p>Sec 6</p>		<p>SF-078115</p>	
<p>RECEIVED JUL 24 1984 OIL CON. DIV. DIST. 3</p>		<p>RECEIVED JUL 11 1984 BUREAU OF LAND SURVEY FARMINGTON DISTRICT AREA</p>	

Scale: 1"=1000'

<p>CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>[Signature]</i></p>	
Name	C. Terry Hobbs
Position	Dist. Operations Engineer
Company	Southland Royalty Company
Date	July 5, 1984
<p>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.</p>	
Date Surveyed	June 12, 1984
Registered Professional Engineer and Land Surveyor	<i>[Signature]</i> Fred. E. Kery Jr.
Certificate No.	3950

ATTACHMENT #1

Vicinity Map for
 Southland Royalty Co. #16E Grenier
 1850' EN 1470' EE 6-31N-11W
 San Juan County New Mexico

PROPOSED LOCATION ●
 EXISTING LOCATIONS ○
 EXISTING ROADS —

