

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 Company3. ADDRESS OF OPERATOR
P.O. Drawer 570, Farmington, New Mexico 874994. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
1600' FSL & 1670' FEL
At proposed prod. zone14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
3 miles West of Aztec, New Mexico15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

300'

16. NO. OF ACRES IN LEASE
799.1617. NO. OF ACRES ASSIGNED
TO THIS WELL
32018. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

320'

19. PROPOSED DEPTH
4800'20. ROTARY OR CABLE TOOLS
Rotary21. ELEVATIONS (Show whether drilling operations authorized are
5794' GL SUBJECT TO COMPLIANCE WITH ATTACHED

23. "GENERAL REQUIREMENTS" PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#, K-55	200'	125 cu.ft. (Circulate to surface)
8-3/4"	7"	20#, K-55	2500'	374 cu.ft. (Cover Ojo Alamo)
6-1/4"	4-1/2"	10.5#, K-55	4800'	384 cu.ft. (Circulate liner)

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 842'.

Top of Pictured Cliffs sand is at 2160'.

Fresh water mud will be used to drill from surface to intermediate total depth, and an air system will be used from intermediate to total depth.

It is anticipated that a GR-CNL/FDC and IEL logs will be run from intermediate total depth to surface, an GR-Density and GR-Induction logs will be run from total depth to intermediate total depth.

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

It is expected that this well will be drilled before March 31, 1984.

This depends on time required for approvals, rig availability and the weather.
Gas is dedicated.

NOTE: COVERED BY NTL-6.

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

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

30-045-25879

5. LEASE DESIGNATION AND SERIAL NO.

SF-077482

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bolack Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

11. SEC., T., R., M., OR BLE.
AND SURVEY OR AREA

J Section 1, T30N, R12W

12. COUNTY OR PARISH

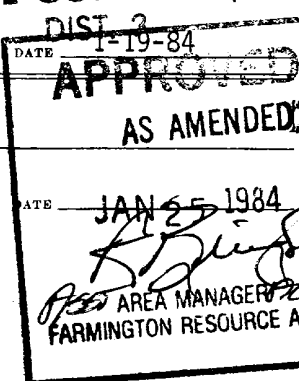
San Juan

13. STATE

New Mexico

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

RECEIVED

JAN 26 1984
OIL CON. DIV.

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

Operator SOUTHLAND ROYALTY COMPANY			Lease BOLACK FEDERAL		Well No. 1
Unit Letter J	Section 1	Township 30N	Range 12W	County San Juan	
Actual Footage Location of Well: 1600 feet from the South line and 1670 feet from the East line					
Ground Level Elev: 5794' GL	Producing Formation Mesaverde		Pool Blanco	Dedicated Acreage: 320 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 Communitization

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 JAN 26 1984 OIL CON. DIV. DIST. 3</p>		<p>RECEIVED JAN 23 1984 BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA</p>	
<p>Sec.</p>		<p>1</p>	
<p>NM-02707</p>		<p>FEE</p>	
<p>1600'</p>		<p>1670'</p>	
<p>SF-077482</p>		<p>1600'</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>R. E. Fielder</i></p>	
Name	R. E. Fielder
Position	District Engineer
Company	Southland Royalty Company
Date	January 18, 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	November 28, 1983
Registered Professional Engineer and Land Surveyor	<i>Fred B. Kerr Jr.</i>
Certificate No.	3950

