

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 87499

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

At surface

1077' FSL &amp; 2436' FEL

At proposed prod. zone

BUREAU OF LAND MANAGEMENT

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

4 miles Southeast of Bloomfield, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

300'

## 16. NO. OF ACRES IN LEASE

240

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL

129.87 128.33

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

120'

Deepen to 2900'

Rotary

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

5688' GL

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

## 22. APPROX. DATE WORK WILL START\*

February 15, 1984

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

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

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6-1/8"	New 2-7/8"	6.5#, J-55	2900	621 cu. ft. (Circ. to surface)

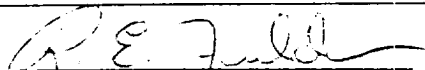
## PROCEDURE:

1. MIRU.
2. NU BOP.
3. Perforate 7" casing at 1400'. Establish circulation to surface and cement with 407 cu.ft. (345 sacks) of Class "B" Neat with 3% CaCl<sub>2</sub>. Volume is 100% excess to circulate. WOC. Pressure test to 800 psi before drilling.
4. Drill out cement and retainer and deepen hole to 2900' using fresh water mud.
5. Run IEL and GR-Density logs from total depth to casing seat.
6. Run 2900' of 2-7/8", 6.5#, J-55 non upset casing.
7. Cement with 562 cu.ft. (380 sacks) of Class "B" 50/50 Poz, 6% gel and 1/4# cellophane per sack. Tail in with 59 cu.ft. (50 sacks) of Class "B" with 2% CaCl<sub>2</sub>. Volume is excess in open hole to circulate, but correct volumes as required from caliper log volume.

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

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ch-2

NMOCC

## 5. LEASE DESIGNATION AND SERIAL NO.

SF-071867

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 7. UNIT AGREEMENT NAME

## 8. FARM OR LEASE NAME

Browning Stewart

## 9. WELL NO.

4

## 10. FIELD AND POOL, OR WILDCAT

Otero Chacra

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

Section 11, T28N, R11W

## 12. COUNTY OR PARISH

San Juan

## 13. STATE

New Mexico

RECEIVED

MAR 09 1984

OIL CON. DIV.  
DIST. 3

APPROVED  
AS AMENDED  
MAR 07 1984  
ASST AREA MANAGER  
FARMINGTON RESOURCE AREA

APPROVED

FORWARDED

APR 10 1964

RECEIVED  
APR 10 1964

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

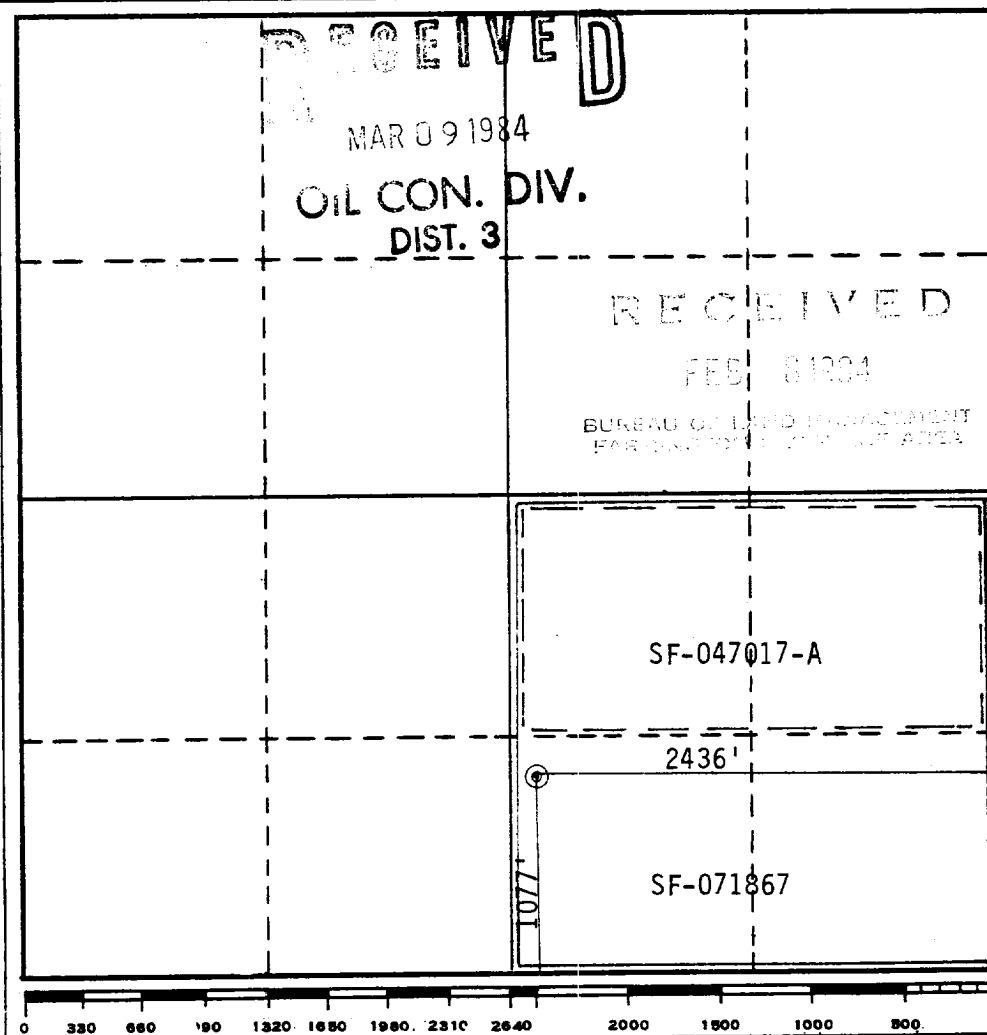
Operator <b>SOUTHLAND ROYALTY COMPANY</b>			Lease <b>BROWNING STEWART</b>		Well No. <b>4</b>
Unit Letter <b>0</b>	Section <b>11</b>	Township <b>28N</b>	Range <b>11W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1077</b> feet from the <b>South</b> line and <b>2436</b> feet from the <b>East</b> line					
Ground Level Elev: <b>5688' GL</b>	Producing Formation <b>Chacra</b>	Pool <b>Otero</b>	Dedicated Acreage: <b><del>129.87</del> 128.33</b> 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.



**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  
R. E. Fielder

Position  
District Engineer

Company  
Southland Royalty Company

Date  
February 3, 1984

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

Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

