

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.

30-045-25875

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-079634	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Southland Royalty Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Drawer 570, Farmington, New Mexico 87499		8. FARM OR LEASE NAME McClanahan	
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.) At surface 1640' FNL & 890' FWL At proposed prod. zone		9. WELL NO. 23	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE OF LAND MANAGEMENT FARMINGTON RESOURCE AREA 6 Miles South of Blanco, New Mexico		10. FIELD AND POOL, OR WILDCAT Otero Chacra	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 890'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 23, T28N, R10W	
16. NO. OF ACRES IN LEASE 2,040.00		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 800'		19. PROPOSED DEPTH 3250'	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* February 15, 1984	
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 5931' GL			

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	new 8-5/8"	24#, K-55	200	165 cu.ft. (Circ to surface)
7-7/8"	*		3025'	
6-1/4"	new 2-7/8"	6.5#, J-55	3025'-3250'	962 cu.ft. (Cover Ojo Alamo)

Surface formation is Nacimiento.  
Top of Ojo Alamo sand is at 945'.  
Top of Pictured Cliffs sand is at 2025'.  
Fresh water mud will be used to drill from surface to total depth.  
It is anticipated that an IES log will be run from total depth to surface casing and an GR-CDL will be run to 1600'.  
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.

RECEIVED

JAN 26 1984

OIL CON. DIV.

DIST. 2

DATE 1-10-84

APPROVED

AS AMENDED

DATE JAN 25 1984

B. Bonham  
AREA MANAGER  
FARMINGTON RESOURCE AREA

NMOCC

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.

SIGNED R. E. Field  
(This space for Federal or State office use)

TITLE District Engineer

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

Operator: <b>SOUTHLAND ROYALTY COMPANY</b>			Lease: <b>McCLANAHAN</b>		Well No. <b>23</b>
Unit Letter <b>E</b>	Section <b>23</b>	Township <b>28N</b>	Range <b>10W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1640</b> feet from the <b>North</b> line and <b>890</b> feet from the <b>West</b> line					
Ground Level Elev: <b>5931' GL</b>	Producing Formation <b>Chacra</b>		Pool <b>Otero</b>	Dedicated Acreage: <b>160</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 \_\_\_\_\_

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.

	<b>RECEIVED</b> JAN 26 1984 <b>OIL CON. DIV</b> <b>DIST. 3</b>
	<b>RECEIVED</b> JAN 16 1984 BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA

Scale: 1"=1000'

## 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

January 10, 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

December 8, 1983

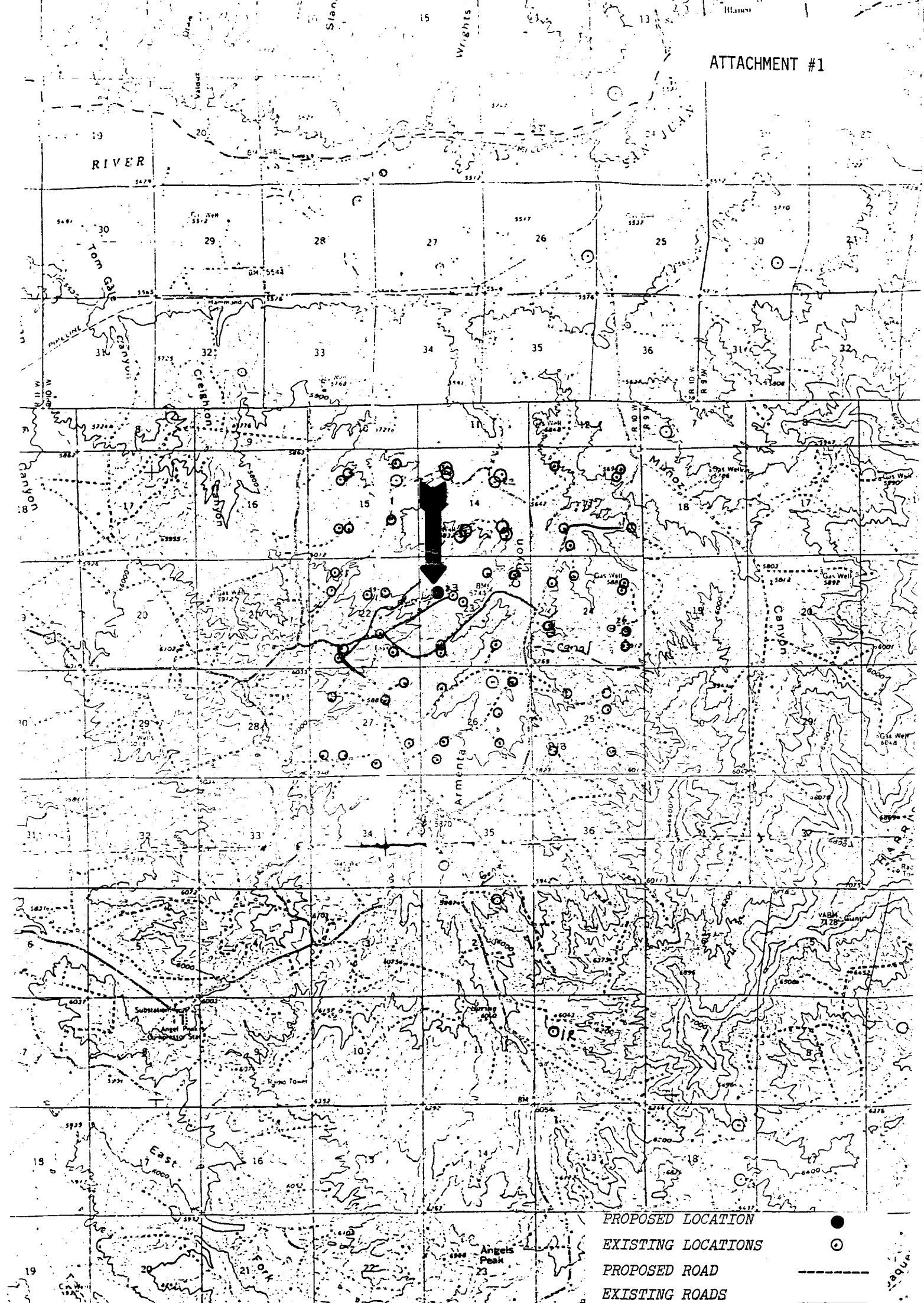
Registered Professional Engineer  
and Land Surveyor

*Fred E. Kery Jr.*  
**Fred E. Kery Jr.**

Certificate No. 4, KERY, JR.

3950

RIVER



Vicinity Map for  
SOUTHLAND ROYALTY CO. #23 McCLANAHAN  
1640'FNL 890'FWL Sec. 23-T28N-R10W  
SAN JUAN COUNTY, NEW MEXICO