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# NEW MEXICO OIL CONSERVATION COMMISSION

30-685-23672  
Form C-101  
Revised 1-4-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

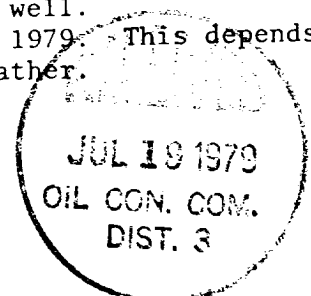
## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work				7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>				8. Farm or Lease Name Mangum	
2. Name of Operator Southland Royalty Company				9. Well No. #5E	
3. Address of Operator P. O. Drawer 570, Farmington, New Mexico 87401				10. Field and Pool, or Wildcat Basin Dakota	
4. Location of Well UNIT LETTER A LOCATED 795 FEET FROM THE North LINE 1070 East 29 29N 11W AND FEET FROM THE LINE OF SEC. TWP. RGE. HMPM				12. County San Juan	
19. Proposed Depth 6225'				19A. Formation Dakota	
20. Rotary or C.T. Rotary				22. Approx. Date Work will start August 15, 1979	
21. Elevations (Show whether DF, RT, etc.) 5398' GR		21A. Kind & Status Plug. Bond		21B. Drilling Contractor	

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	9-5/8"	32.30#	200'	110 sxs	
7-7/8"	5-1/2"	15.50#	6225'	193 sxs (1st stg)	
	2-3/8"	4.70#	6225'	209 sxs (2nd stg)	
				167 sxs (3rd stg)	

Surface formation is Nacimiento.  
Top of Ojo Alamo sand is at 710'.  
Top of Pictured Cliffs sand is at 1510'.  
Fresh water mud will be used to drill from surface to total depth.  
It is anticipated that an IES and a GR-Density log will be run at total depth.  
No abnormal pressures or poisonous gases are anticipated in this well.  
It is expected that this well will be drilled before October 15, 1979. 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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed [Signature] Title District Production Manager Date July 17, 1979

(This space for State Use)

APPROVED BY [Signature] TITLE DEPUTY OIL CON. COM. DIST. 3 DATE JUL 19 1979

CONDITIONS OF APPROVAL, IF ANY:

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

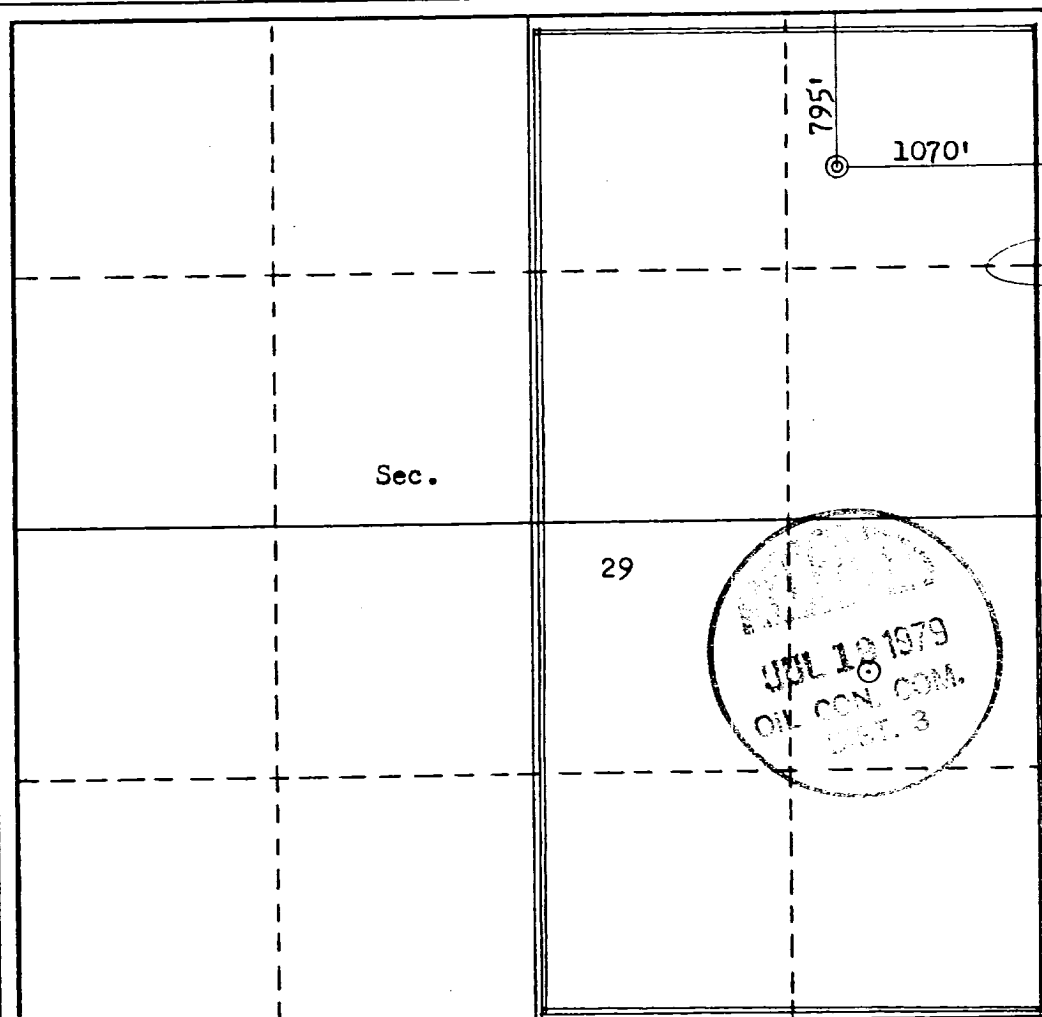
Operator <b>SOUTHLAND ROYALTY COMPANY</b>			Lease <b>MANGUM</b>		Well No. <b>5E</b>
Unit Letter <b>A</b>	Section <b>29</b>	Township <b>29N</b>	Range <b>11W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>795</b> feet from the <b>North</b> line and <b>1070</b> feet from the <b>East</b> line					
Ground Level Elev. <b>5398</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>		Dedicated Acreage: <b>320</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.



## CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name \_\_\_\_\_  
Position  
District Production Manager  
Company  
Southland Royalty Company  
Date  
July 17, 1979

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  
June 26, 1979  
Registered Professional Engineer  
and/or Land Surveyor  
Fred B. Kerr, Jr.  
Certificate No.  
3950



**Southland Royalty Company**

July 17, 1979

Oil Conservation Division .  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Attention: Mr. Al Kendrick

Dear Sir:

All drilling and completion rigs will be equipped with 6" or larger double gate hydraulic blowout preventers and a hydraulic operated closing unit with steel lines.

The preventer is 3000# working pressure and 6000# test.

All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure safe operation.

Yours truly,

L. O. Van Ryan  
District Production Manager

LOVR/dg