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NEW MEXICO OIL CONSERVATION COMMISSION

30-045-23958
Form C-101
Revised 1-1-65

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 b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name	
2. Name of Operator Southland Royalty Company		3. Address of Operator P. O. Drawer 570, Farmington, NM 87401		8. Farm or Lease Name PATTERSON "A" COM	
4. Location of Well UNIT LETTER G LOCATED 1640' FEET FROM THE North LINE AND 1770' FEET FROM THE East LINE OF SEC. 2 TWP. 31N RGE. 12W NMPM		10. Field and Pool, or Wildcat Basin Dakota		9. Well No. #1E	
12. County San Juan		19. Proposed Depth 7560'		19A. Formation Dakota	
21. Elevations (Show whether DF, RT, etc.) 6269' GR		21A. Kind & Status Plug. Bond		20. Rotary or C.T. Rotary	
21B. Drilling Contractor		22. Approx. Date Work will start February 1, 1980			

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"	32.3#	200'	110 Sacks	Circ. to Surf.
8 3/4"	7"	23.0#	5000'	100 (Stage 1)	Cover Cliff House
				230 (Stage 2)	Cover Ojo Alamo
6 1/4"	4 1/2"	10.5#	4850'-7000'	320 Sacks	
6 1/4"	4 1/2"	11.6#	7000'-7560'		

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

Surface formation is Nacimiento.
Top of Ojo Alamo Sand is at 1581'.

Fresh water mud will be used to drill from surface to Intermediate TD.
Gas will be used to drill from Intermediate TD to Total Depth.
It is anticipated that a GR-Induction and a GR-Density log will be run from Total Depth to Intermediate TD and an IES and GR-Density log will be run from Intermediate TD to surface casing.
No abnormal pressures or poisonous gases are anticipated in this well.
It is expected that this well will be drilled before July 31, 1980. This depends on time required for approval, 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 Kim L. Loran Title District Production Manager Date 11-8-79

(This space for State Use)

APPROVED BY Frank J. Chay TITLE DEPUTY OIL & GAS ENGINEER, DISTRICT DATE NOV 14 1979

CONDITIONS OF APPROVAL, IF ANY:

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

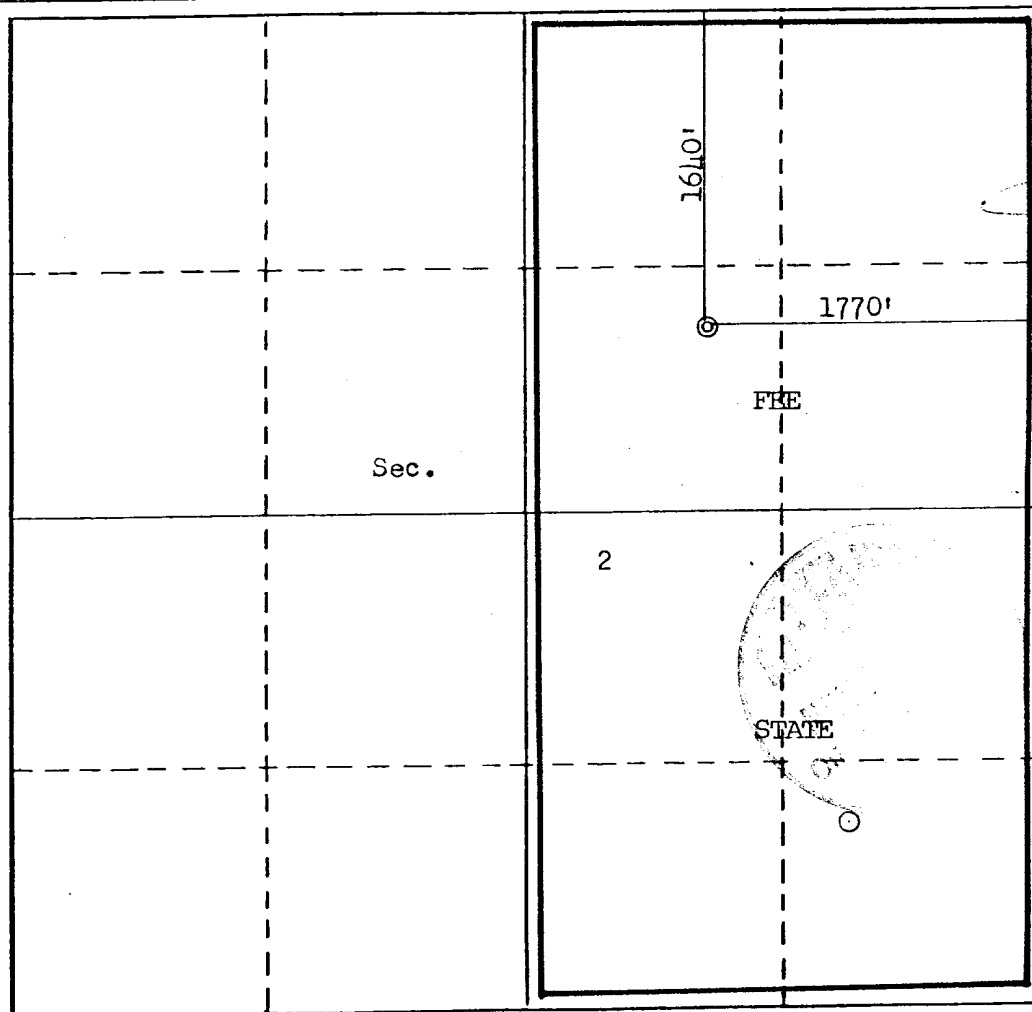
Operator • SOUTHLAND ROYALTY COMPANY			Lease PATTERSON "A" COM		Well No. 1-E
Unit Letter G	Section 2	Township 31N	Range 12W	County San Juan	
Actual Footage Location of Well: 1640 feet from the North line and 1770 feet from the East line					
Ground Level Elev. 6269	Producing Formation Dakota		Pool Basin		Dedicated Acreage: 320 38.95 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 Communitized

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
L. O. Van Ryan
Position
District Production Manager
Company
Southland Royalty Company
Date
November 8, 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
October 11, 1979
Registered Professional Engineer and/or Land Surveyor

Fred B. Keith Jr.

Certificate No.
3950



Southland Royalty Company

November 8, 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.

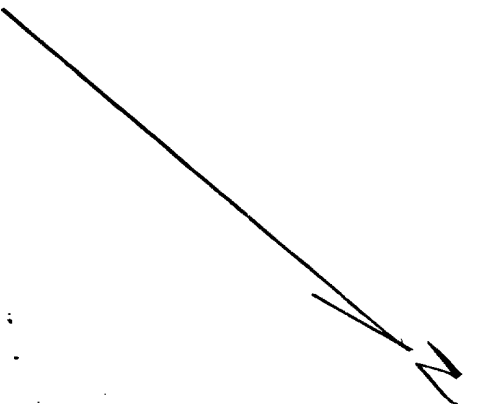
All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure safe operation.

Yours truly,

L. O. Van Ryan
District Production Manager

LOVR/dg

WANT GETTING INTO NOT TWENTY



Vert. 1"=40'

B.B.

Reserve

Vest: 1" 3/40'

$D-D'$

Date: 10-11-79



Vicinity Map for
SOUTHLAND ROYALTY CO. #1E PATTERSON "A" COM
1640'FWL 1770'FEL Sec 2-T31N-R12W
SAN JUAN COUNTY, NEW MEXICO