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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 14-65

30-045-25395

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input 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 DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. Farm or Lease Name Rattlesnake Canyon	
2. Name of Operator Southland Royalty Company		9. Well No. 2	
3. Address of Operator P.O. Drawer 570, Farmington, New Mexico 87401		10. Field and Pool, or Wildcat Pump Mesa Fruitland Ext Blanco Mesa Verde	
4. Location of Well UNIT LETTER F LOCATED 1800 FEET FROM THE North LINE AND 1550 FEET FROM THE West LINE OF SEC. 32 TWP. 32N RGE 8W NMPM		12. County San Juan	
21. Elevations (Show whether DF, RT, etc.) 6543' KB (est.)		19. Proposed Depth 5983'	19A. Formation Fruitland/Mesaverde
21A. Kind & Status Plug. Bond	21B. Drilling Contractor Four Corners Drilling	20. Rotary or C.T. Rotary	
		22. Approx. Date Work will start June 15, 1982	

## 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#, H-40	200'	130 cu.ft.	Circ to surface
8-3/4"	7"	20#, K-55	3725'	384 cu.ft.	Cover Ojo Alamo & Fruitland
6-1/4"	4-1/2"	10.50#, K-55	5983'	488 cu.ft.	Circulate liner

Surface formation is San Jose.

Top of Ojo Alamo sand is at 2033'.

Top of Pictured Cliffs sand is at 3428'.

Fresh water mud will be used to drill to Intermediate Total Depth and an air system to drill to Total Depth.

It is anticipated that an IEL and GR-Density be run from Intermediate to Surface Casing, and GR-Induction and GR-Density be run from Total Depth to Intermediate Casing.

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

It is expected that this well will be drilled before June 30, 1982. This depends on time required for approvals, rig availability and the weather.

Gas is dedicated.

APPROVAL VALID  
FOR 60 DAYS UNLESS  
DRILLING COMMENCED.

EXPIRES December 14, 1982

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.

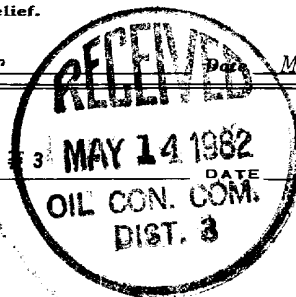
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed R. E. Fielder Title District Engineer Date May 13, 1982

(This space for State Use)

APPROVED BY John J. Day TITLE SUPERVISOR DISTRICT 3 DATE MAY 14 1982

CONDITIONS OF APPROVAL, IF ANY:



## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-102  
Revised 10-1-78

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

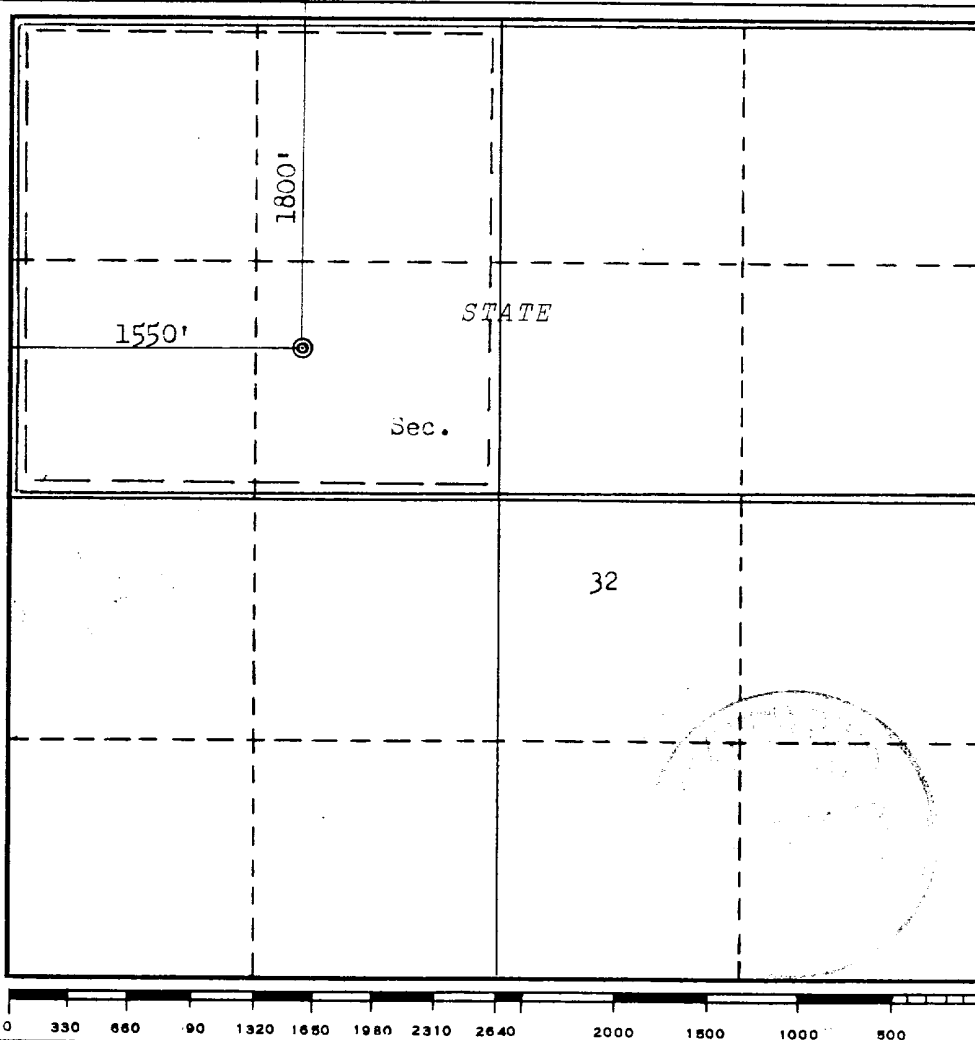
Operator <b>SOUTHLAND ROYALTY COMPANY</b>			Lease <b>RATTLESNAKE CANYON</b>		Well No. <b>2</b>
Unit Letter <b>F</b>	Section <b>32</b>	Township <b>32N</b>	Range <b>8W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1800</b> feet from the <b>North</b> line and <b>1550</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6531</b>	Producing Formation <b>Fruitland/Mesaverde</b>		Pool <b>Pump Mesa/Blanco</b>	Dedicated Acreage: <b>~ 320/160</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.



## 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

May 13, 1982

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

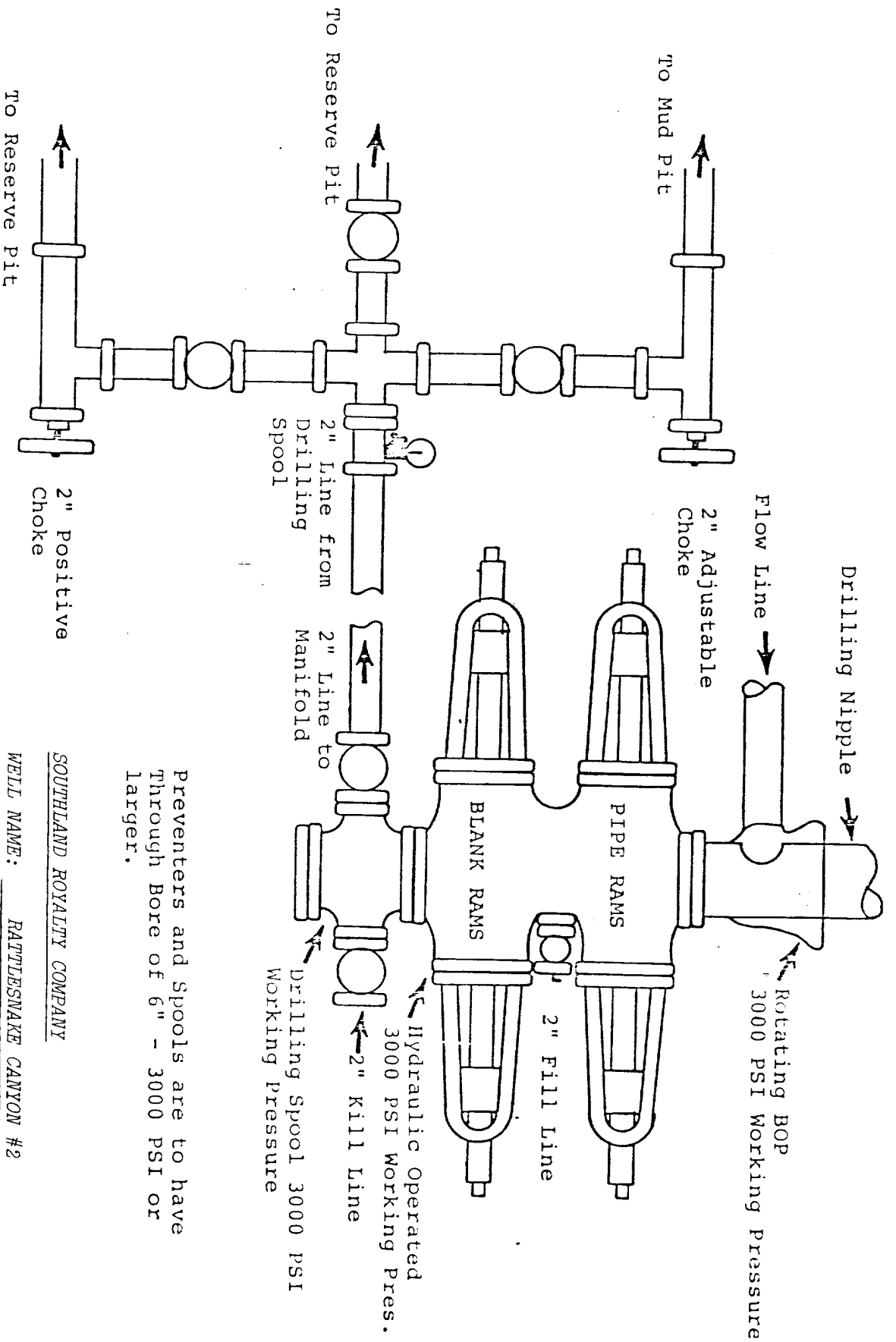
January 1982

Registered Professional Engineer and/or Land Surveyor

*Fred B. Kerr Jr.*  
Fred B. Kerr Jr.

Certificate No.

3950



Preventers and Spools are to have Through Bore of 6" - 3000 PSI or larger.

SOUTHLAND ROYALTY COMPANY

WELL NAME: RATTLESNAKE CANYON #2

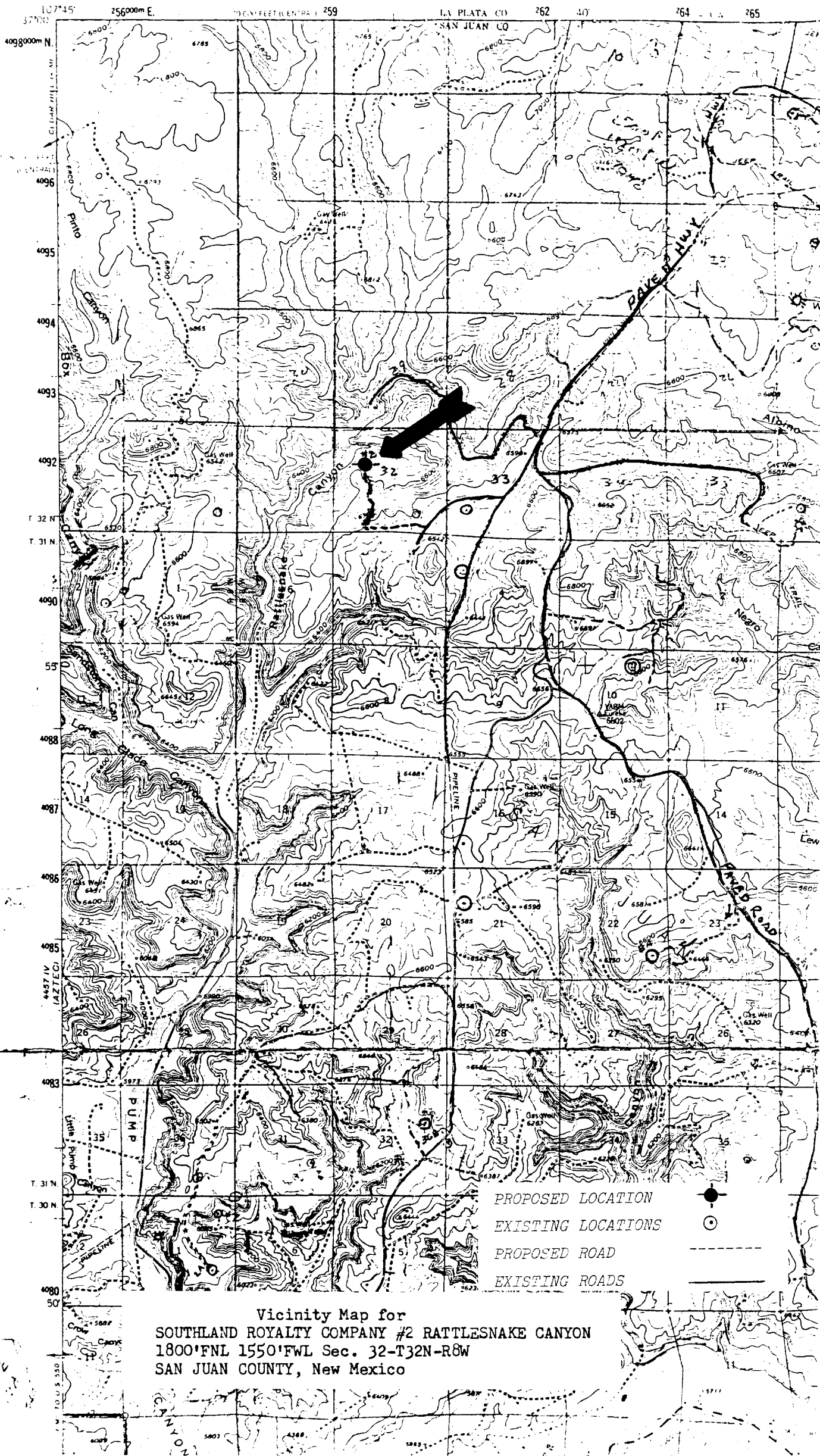
LOCATION: 1800' FNL & 1550' FWL

Section 32, T32N, R8W

COUNTY: San Juan

STATE: New Mexico

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



Vicinity Map for  
SOUTHLAND ROYALTY COMPANY #2 RATTLESNAKE CANYON  
1800'FNL 1550'FWL Sec. 32-T32N-R8W  
SAN JUAN COUNTY, New Mexico