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NEW MEXICO OIL CONSERVATION COMMISSION

30-039-22834  
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		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 checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Simms Federal 10587	
2. Name of Operator Southland Royalty Company		9. Well No. 2	
3. Address of Operator P.O. Drawer 570, Farmington, New Mexico 87499-0570		10. Field and Pool, or Wildcat Blanco Pictured Cliffs Ex	
4. Location of Well UNIT LETTER <u>O</u> LOCATED <u>1120</u> FEET FROM THE <u>South</u> LINE AND <u>1850</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>11</u> TWP. <u>30N</u> RGE. <u>4W</u> NMPM		12. County Rio Arriba	
19. Proposed Depth 4050'		19A. Formation Pictured Cliffs	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 6911' GL	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor Four Corners Drilling	
22. Approx. Date Work will start October 25, 1981			

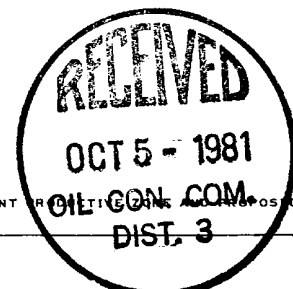
23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24#	200'	165 cu.ft. (Circ. to surface)	
7-7/8"	4-1/2"	10.5#	4050'	330 cu.ft. (Cover Ojo Alamo)	

Surface formation is San Jose.  
Top of Ojo Alamo sand is at 3082'.  
Top of Pictured Cliffs sand is at 3663'.  
Fresh water mud will be used to drill from surface to total depth.  
It is anticipated that an IEL and GR-Density will be run from total depth to surface casing.  
No abnormal pressures or poisonous gases are anticipated in this well.  
It is expected that this well will be drilled before October 31, 1981.  
This depends on time required for approvals, rig availability and the weather.  
Gas is not dedicated.

APPROVAL VALID  
FOR 30 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 4-5-82



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION AND PROPOSED NEW PRODUCTION. 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. Fildes Title District Engineer Date October 1, 1981

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE OCT 5 - 1981

CONDITIONS OF APPROVAL, IF ANY:

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

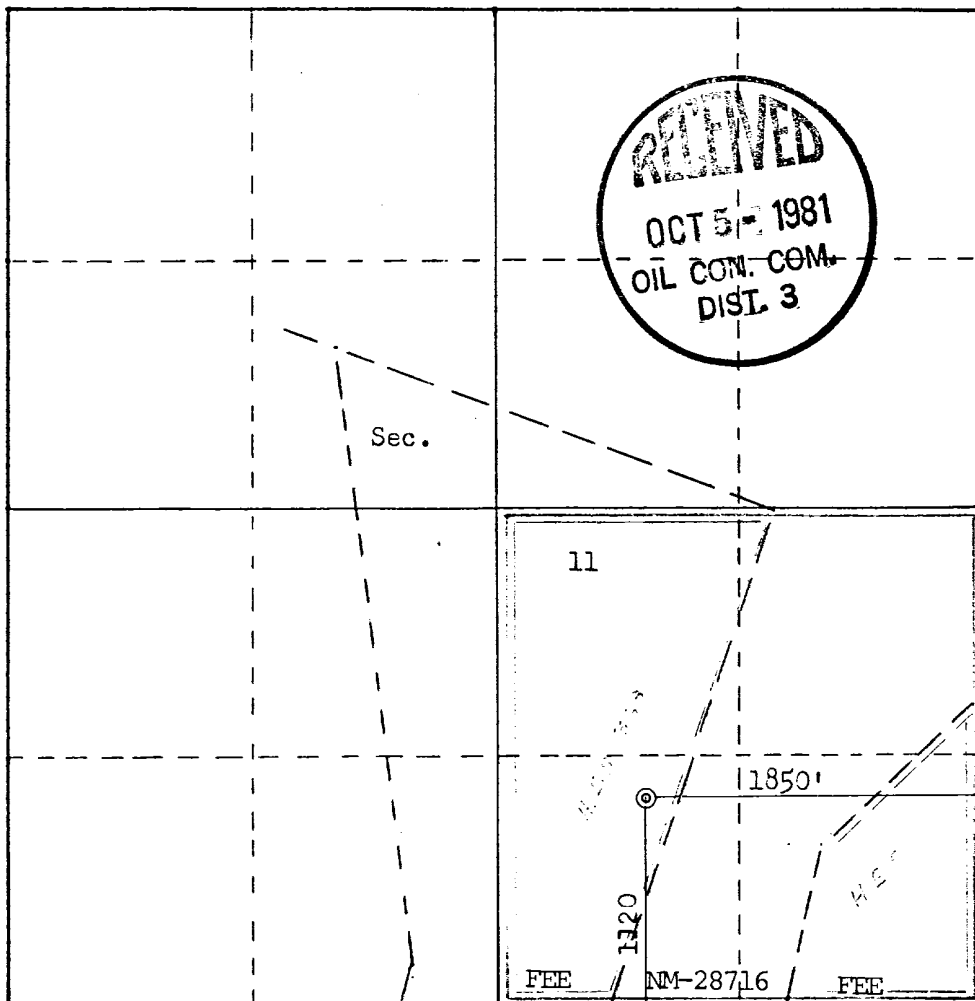
Operator <b>SOUTHLAND ROYALTY COMPANY</b>			Lease <b>SIMMS FEDERAL</b>		Well No. <b>2</b>
Unit Letter <b>0</b>	Section <b>11</b>	Township <b>30N</b>	Range <b>1W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1120</b> feet from the <b>South</b> line and <b>1850</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6911</b>	Producing Formation <b>Pictured Cliffs Ext.</b>		Pool <b>Blanco</b>	Dedicated Acreage: <b>157.49</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.



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  
October 5, 1981

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  
September 28, 1981

Registered Professional Engineer and Land Surveyor

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

Certificate No.  
3950 FRED B. KERR, JR.

SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

SIMMS FEDERAL #2

1120' FSL & 1850' FEL  
Section 11, T30N, R4W  
Rio Arriba County, New Mexico

Field: Blanco Pictured Cliffs Extension

Elevation: 6911' GL  
6923' KB

Geology:

Formation Tops: Ojo Alamo 3082'  
Fruitland 3493'  
Pictured Cliffs 3663'  
Total Depth 4050'

Logging Program: IEL and GR-Density from Total Depth to surface casing.

Drilling:

Contractor:

Tool Pusher:

SRC Rep:

SRC Answering Service: 325-1841  
Dispatch Number: 325-7391

Mud Program: Fresh water mud from surface to Total Depth.

Materials:

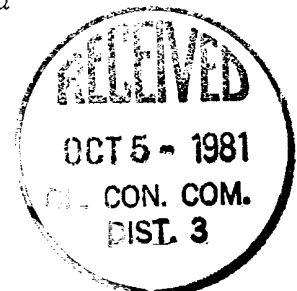
Casing Program:	Hole Size	Depth Set	Casing Size	Weight & Grade
	12-1/4"	200'	8-5/8"	24# H-40
	7-7/8"	4050'	4-1/2"	10.5# K-55

Float Equipment:

8-5/8" Surface Casing: B & W FC01 Guide shoe.

4-1/2" Production Casing: B & W FC01 Guide Shoe, (FZ-55) one joint up with  
5 B & W standard centralizers (AA02) every other  
joint above shoe.

Wellhead Equipment: 8-5/8" X 10", 2000# casing  
10", 2000# X 6", 2000# tubing head



Cement Program:

- 8-5/8" Surface Casing: 140 sacks (165 cu.ft.) of Class "B" with 1/4# gel flake per sack and 3%  $\text{CaCl}_2$ . WOC 12 hours. Test to 600 psi prior to drilling out.  
(Cement volume is 100% excess to circulate.)
- 4-1/2" Production Casing: 130 sacks (194 cu.ft.) of Class "B" 50/50 Poz with 6% gel and 1/4# gel flake per sack followed by 115 sacks (136 cu.ft.) of Class "B" neat.  
(Volume is 50% excess to cover the Ojo Alamo.)

---

L. O. Van Ryan  
District Production Manager

JAC/eg

9/30/81



**Southland Royalty Company**

October 1, 1981

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

RE: Blowout Preventer Plan

Dear Mr. Chavez:

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 pressure.

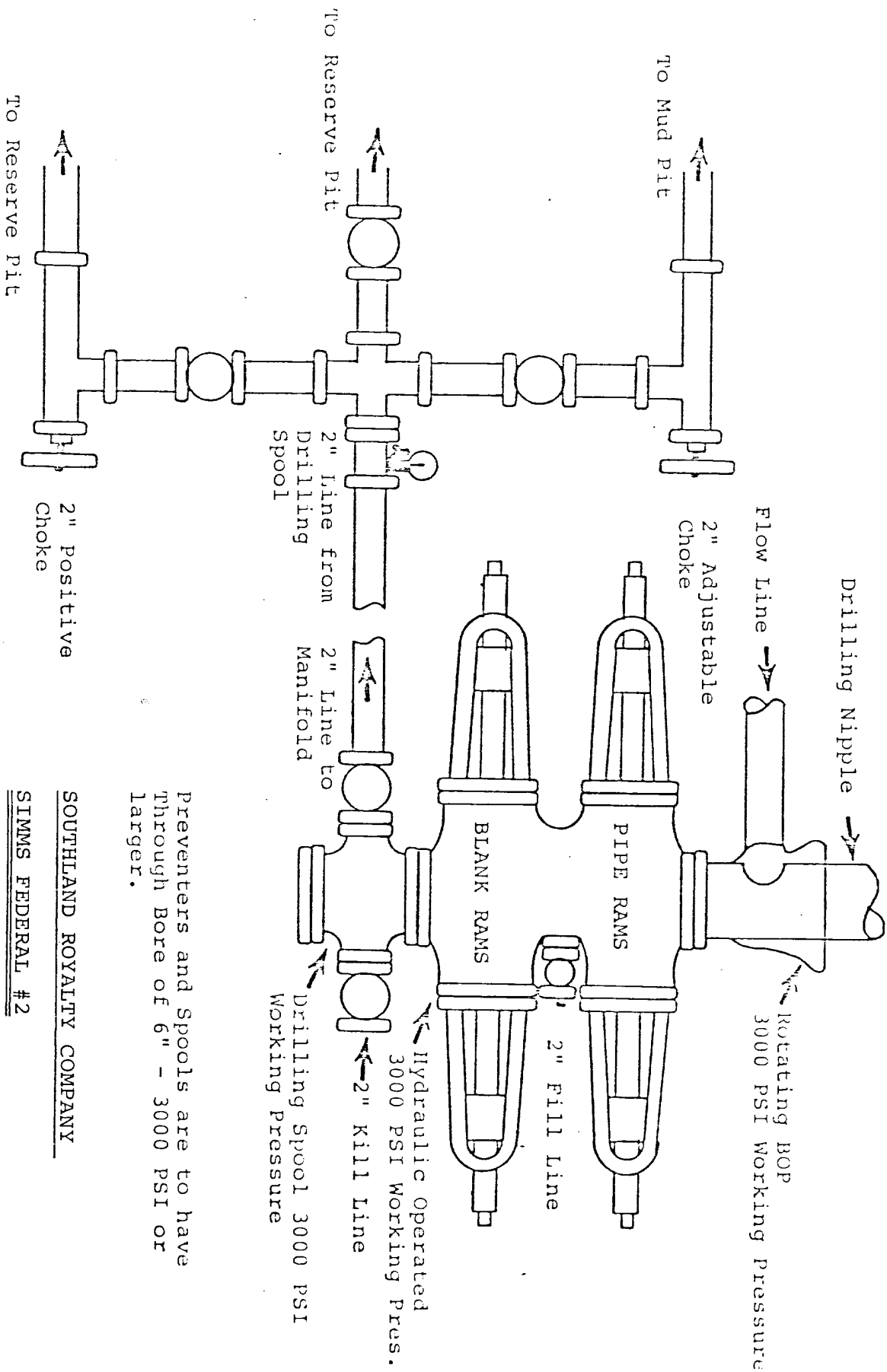
All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to ensure proper operation.

Sincerely,

SOUTHLAND ROYALTY COMPANY

R. E. Fielder  
District Engineer

REF/eg

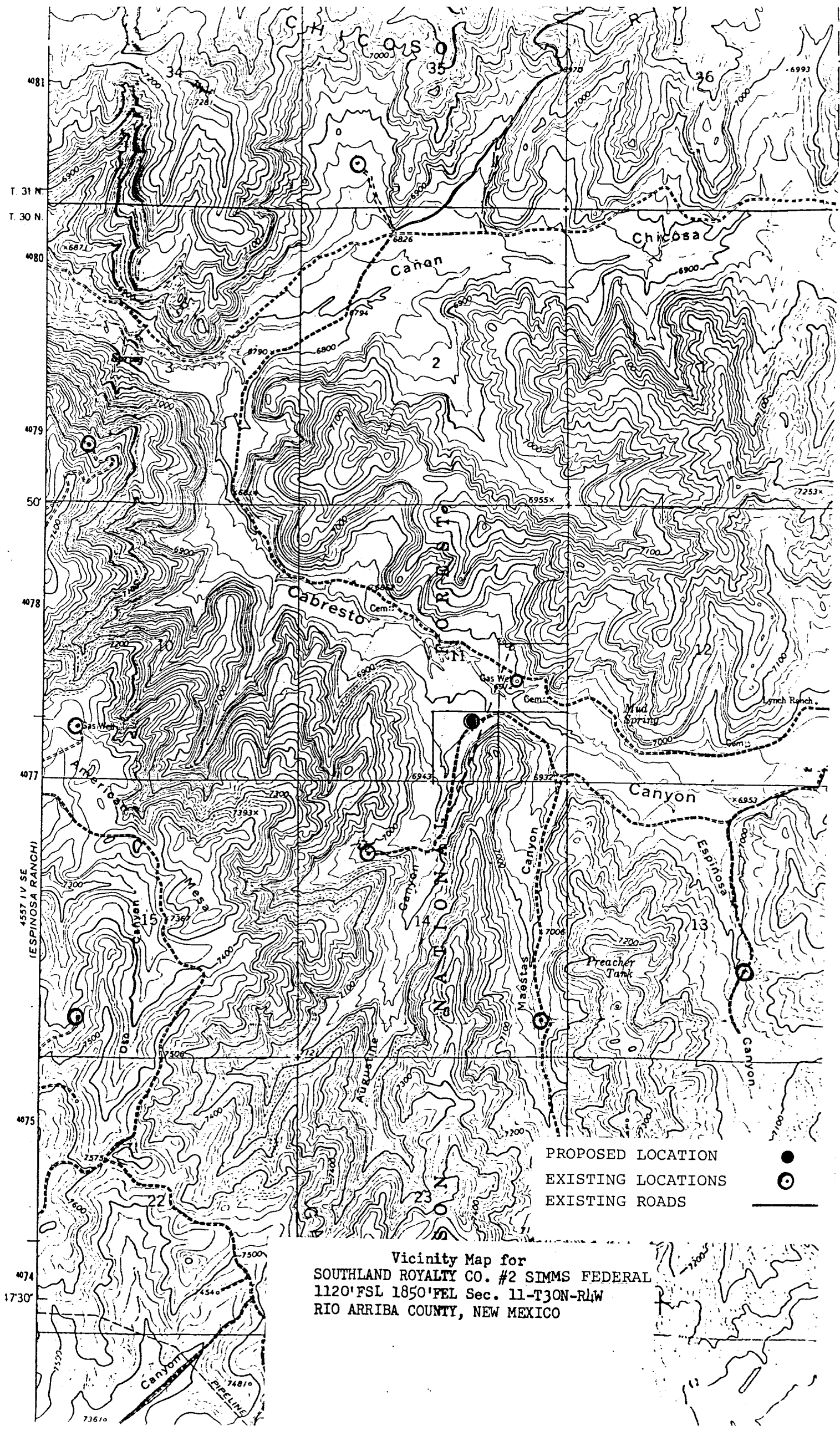


Preventers and Spools are to have Through Bore of 6" - 3000 PSI or larger.

SOUTHLAND ROYALTY COMPANY

SIMMS FEDERAL #2

1120' FSL & 1850' FEL  
Section 11, T30N, R4W  
Rio Arriba County, New Mexico



Vicinity Map for  
SOUTHLAND ROYALTY CO. #2 SIMMS FEDERAL  
1120' FSL 1850' FEL Sec. 11-T30N-R4W  
RIO ARRIBA COUNTY, NEW MEXICO



A-A'		Vert. 1-30		Horiz	
6920					
6910					
6900					

B-G' d

6920				
6910				
6900				