

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-21818

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Southland Royalty Company

3. ADDRESS OF OPERATOR

P. O. Drawer 570, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1450' FNL & 1190' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

54 miles Southeast of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

3816'

17. NO. OF ACRES ASSIGNED TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7332' GL

22. APPROX. DATE WORK WILL START\*

July 1, 1978

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	120'	85 sacks
6-3/4"	2-7/8"	6.4#	3816'	340 sacks

Surface formation is San Jose.

Top of Ojo Alamo is at 1739'.

Top of Pictured Cliffs is at 3636'.

Fresh water mud will be used to drill from surface to total depth.

It is anticipated that a IES and Gamma Ray Density logs be run at total depth.

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

It is expected that this well be drilled before October 15, 1978. This depends on rig availability, time required for approvals 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. 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.

24.

SIGNED

TITLE District Production Manager DATE June 13, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

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\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

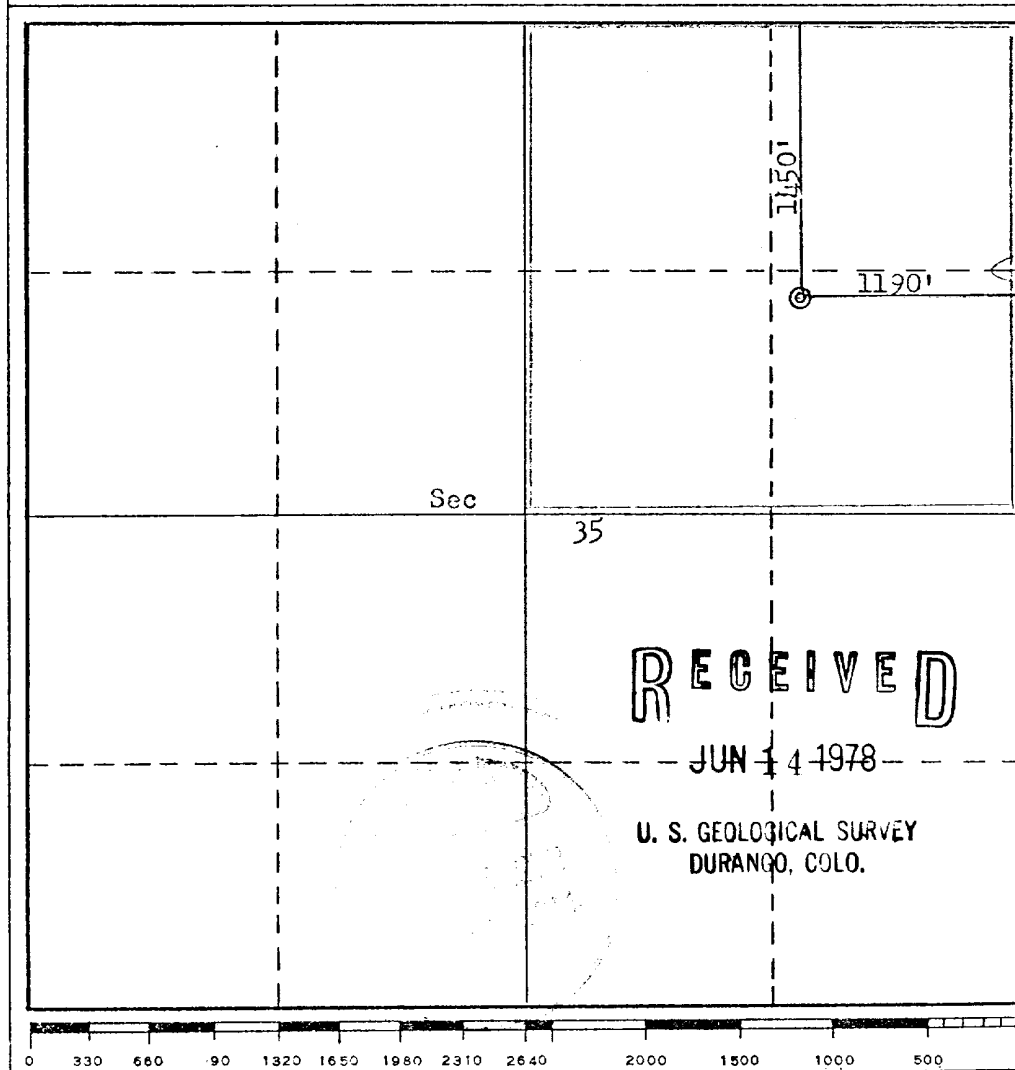
Operator <b>SOUTHLAND ROYALTY COMPANY</b>			Lease <b>ARIZONA JICARILLA</b>		Well No. <b>10</b>
Unit Letter <b>H</b>	Section <b>35</b>	Township <b>25N</b>	Range <b>4W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1450</b> feet from the <b>North</b> line and <b>1190</b> feet from the <b>East</b> line					
Ground Level Elev. <b>7332</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>South Blanco</b> <del>Tapacito</del>		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.



CERTIFICATION

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

Name Van Ryan  
Position  
District Production Manager  
Company  
Southland Royalty Company  
Date  
June 13, 1978

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 7, 1978  
Registered Professional Engineer  
and/or Land Surveyor  
Fred B. Kerr Jr.  
Certificate No. 3950  
MEXICO



**Southland Royalty Company**

United States Geological Survey  
P. O. Box 1809  
Durango, Colorado

Attention: Mr. Jerry Long

Dear Sir:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein be performed by Southland Royalty Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: June 13, 1978

Name: CC Parson

Title: District Engineer

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DURANGO, COLO.



**Southland Royalty Company**

June 13, 1978

United States Geological Survey  
P. O. Box 1809  
Durango, Colorado

Attention: Mr. Jerry Long

Dear Sir:

Enclosed please find map showing existing roads and planned access roads to Southland Royalty Company's Arizona Jicarilla #10 well. The locations of tank batteries and flow lines will be on location with well. A burn pit will be provided for disposal of trash. Cuttings, drilling fluid and produced fluids will be put into the reserve pit and properly disposed of depending on amount and type of fluids.

Contractor will furnish restroom facilities on location.

There will be no air strips or camps.

Also, enclosed is a location layout showing approximate location of rig, pits and pipe racks and cut required to build this location.

Water supply will be the water holes along the Ojitos Canyon. All water will be transported by truck and stored on location.

The location will be restored according to Bureau of Land Management standards. This work will begin when all related construction is finished.

Mr. Max Larson will be Southland Royalty Company's field representative supervising these operations.

Yours truly,

L. O. Van Ryan  
District Production Manager

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DURANGO, COLO.

LOVR/eg



**Southland Royalty Company**

June 13, 1978

United States Geological Survey  
P. O. Box 959  
Farmington, New Mexico 87401

Attention: Mr. P. T. McGrath

Re: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 8" 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 proper operation.

Yours truly,

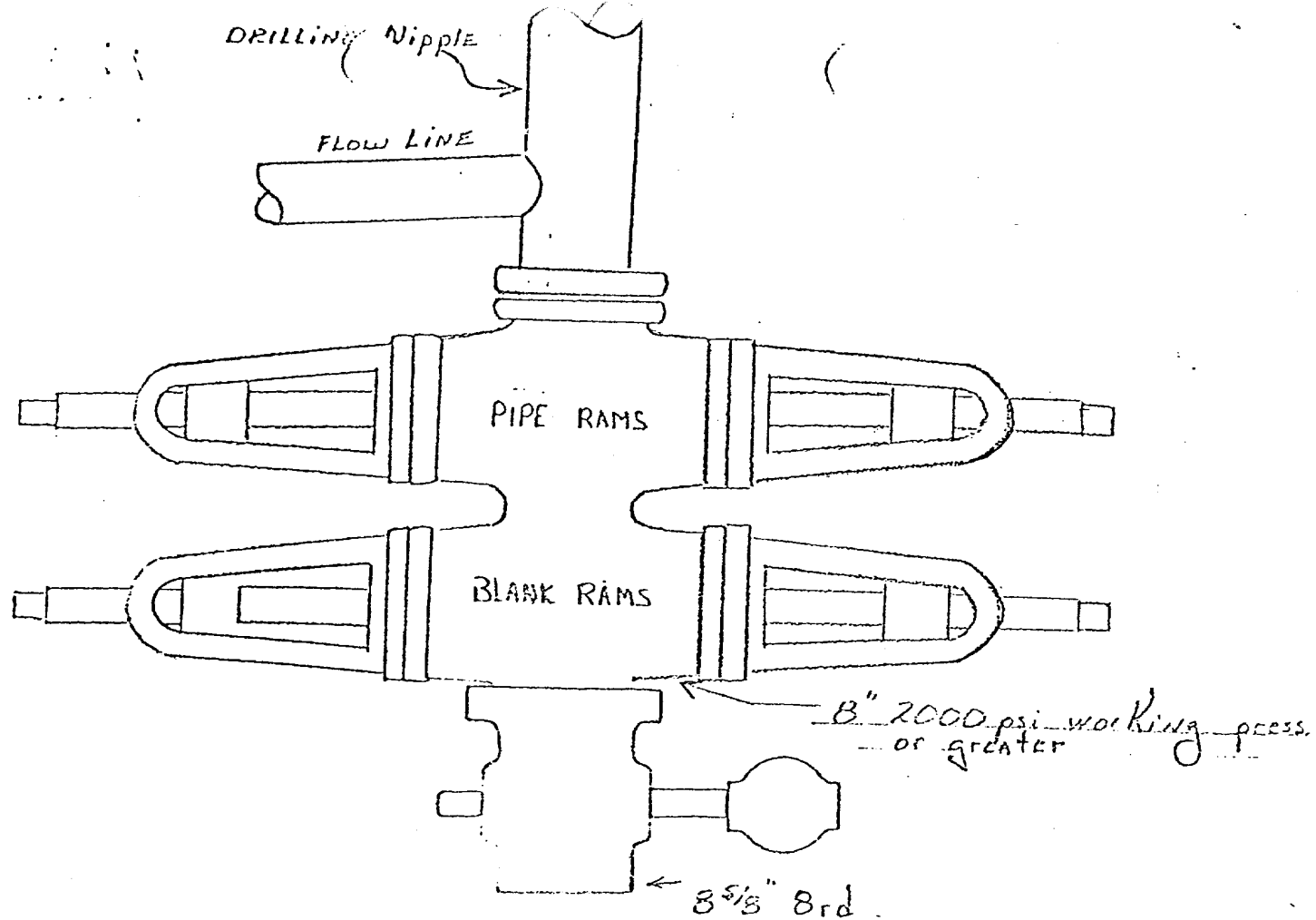
L. O. Van Ryan  
District Production Manager

LOVR/dg

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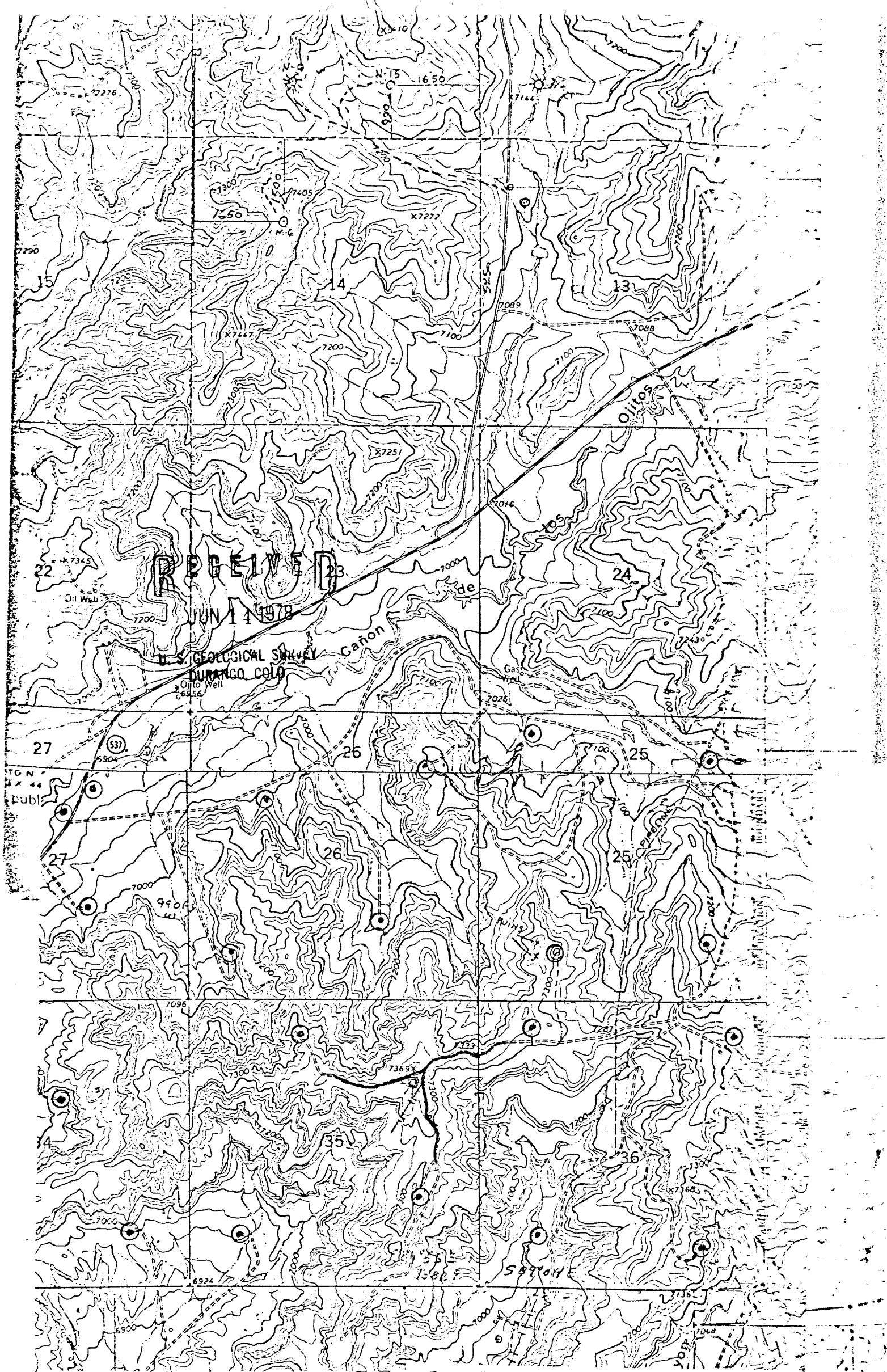


Preventers and spools are to have through bore of 8" - 2000# or larger.

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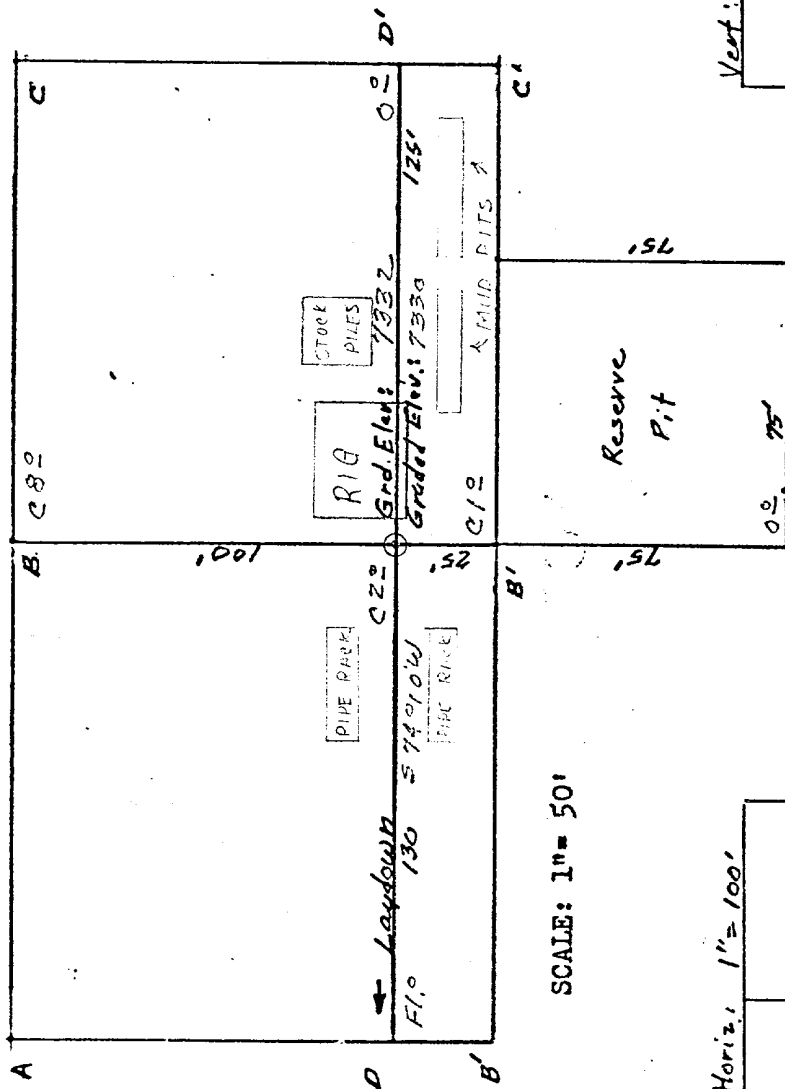
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DURANGO, COLO.



PROPOSED LOCATION  
EXISTING LOCATIONS  
EXISTING ROADS

Vicinity Map for  
SOUTHLAND ROYALTY CO. #10 Arizona Jicm  
1150'FNL 1190'FEL Sec 35-T25N-RLW  
Rio Arriba County, New Mexico

Location Profile for  
 SOUTHLAND ROYALTY CO. #10 Arizona Jicarilla  
 1450' FNL 1190' FEL Sec 35-T25N-R4W Rio Arriba County, New Mexico



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Vert: 1"=40'      A-A'      Horiz: 1"=100'


B-B'      &

7340				
7330				
7320				

Vert: 1"=40'      C-C'      Horiz: 1"=100'


D-D'      &

7340				
7330				
7320				