

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-21817

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
 860' FSL & 1450' FWL
 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)
 16. NO. OF ACRES IN LEASE
 17. NO. OF ACRES ASSIGNED TO THIS WELL
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 19. PROPOSED DEPTH
 20. ROTARY OR CABLE TOOLS
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7316' GL
 22. APPROX. DATE WORK WILL START*
 June 28, 1978

5. LEASE DESIGNATION AND SERIAL NO.
 Jicarilla Contract 125

6. INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FIRM OR LEASE NAME
 Arizona Jicarilla

9. WELL NO.
 #9

10. FIELD AND POOL, OR WILDCAT
 So. Blanco Pictured Cliff

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 25, T25N, R4W

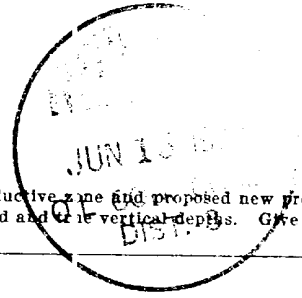
12. COUNTY OR PARISH
 Rio Arriba

13. STATE
 New Mexico

23. 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#	3836'	350 sacks

Surface formation is San Jose.
 Top of Ojo Alamo is at 1724'.
 Top of Pictured Cliffs is at 3656'.
 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 13, 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: [Signature] TITLE: District Production Manager DATE: June 13, 1978
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY: [Signature] TITLE _____ DATE: JUN 14 1978
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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.

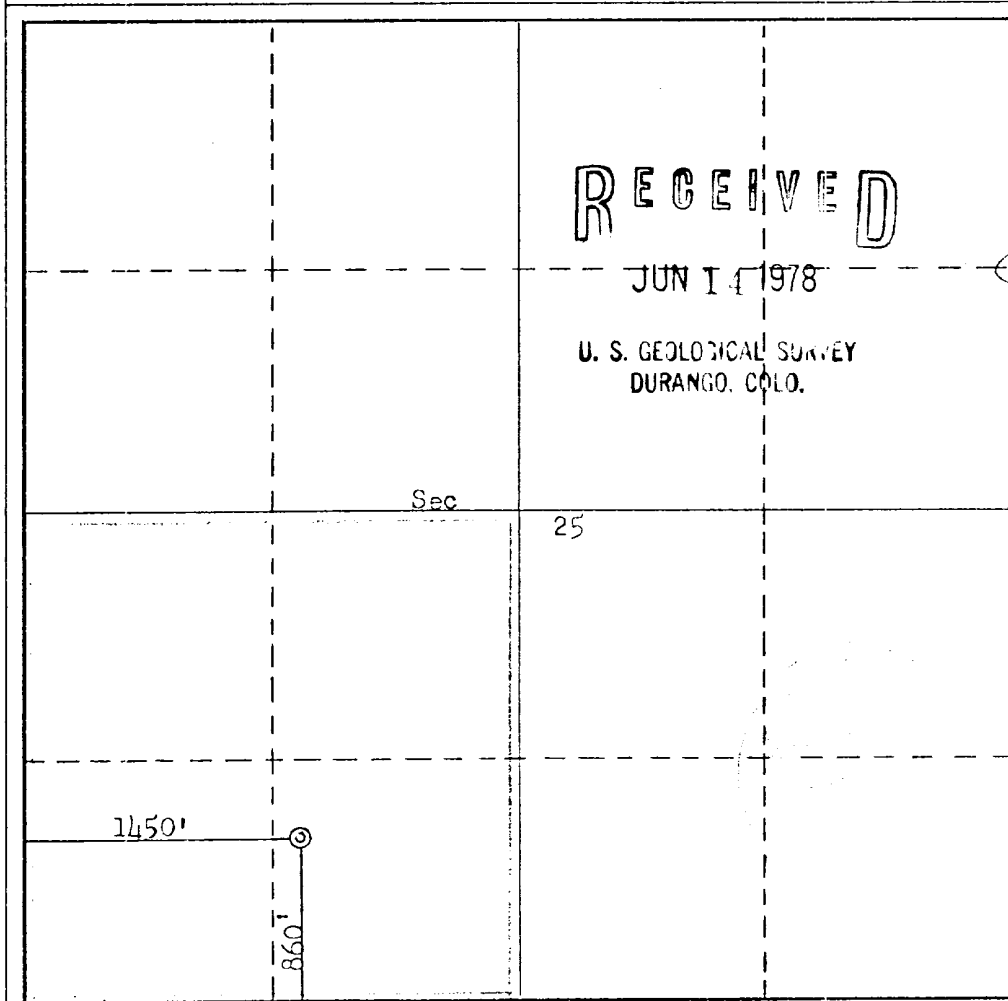
Operator SOUTHLAND ROYALTY COMPANY			Lease ARIZONA JICARILLA			Well No. 9 -		
Unit Letter N	Section 25	Township 25N	Range 14W	County Rio Arriba				
Actual Footage Location of Well: 360 feet from the South line and 1450 feet from the West line								
Ground Level Elev. 7316	Producing Formation Pictured Cliffs		Pool South Blanco			Dedicated Acreage: 160 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?

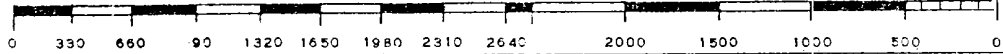
Yes No If answer is "yes," type of consolidation _____

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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>	
Name	<i>Ryan</i>
Position	District Production Manager
Company	Southland Royalty Company
Date	June 13, 1978
<i>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.</i>	
Date Surveyed	June 7, 1978
Registered Professional Engineer and/or Land Surveyor <i>Fred B. Kerr Jr.</i> Fred B. Kerr Jr.	
Certificate No.	3950





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 Pason*

Title: District Engineer

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U. S. GEOLOGICAL SURVEY
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 #9 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,

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U. S. GEOLOGICAL SURVEY
DURANGO, COLO.



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,

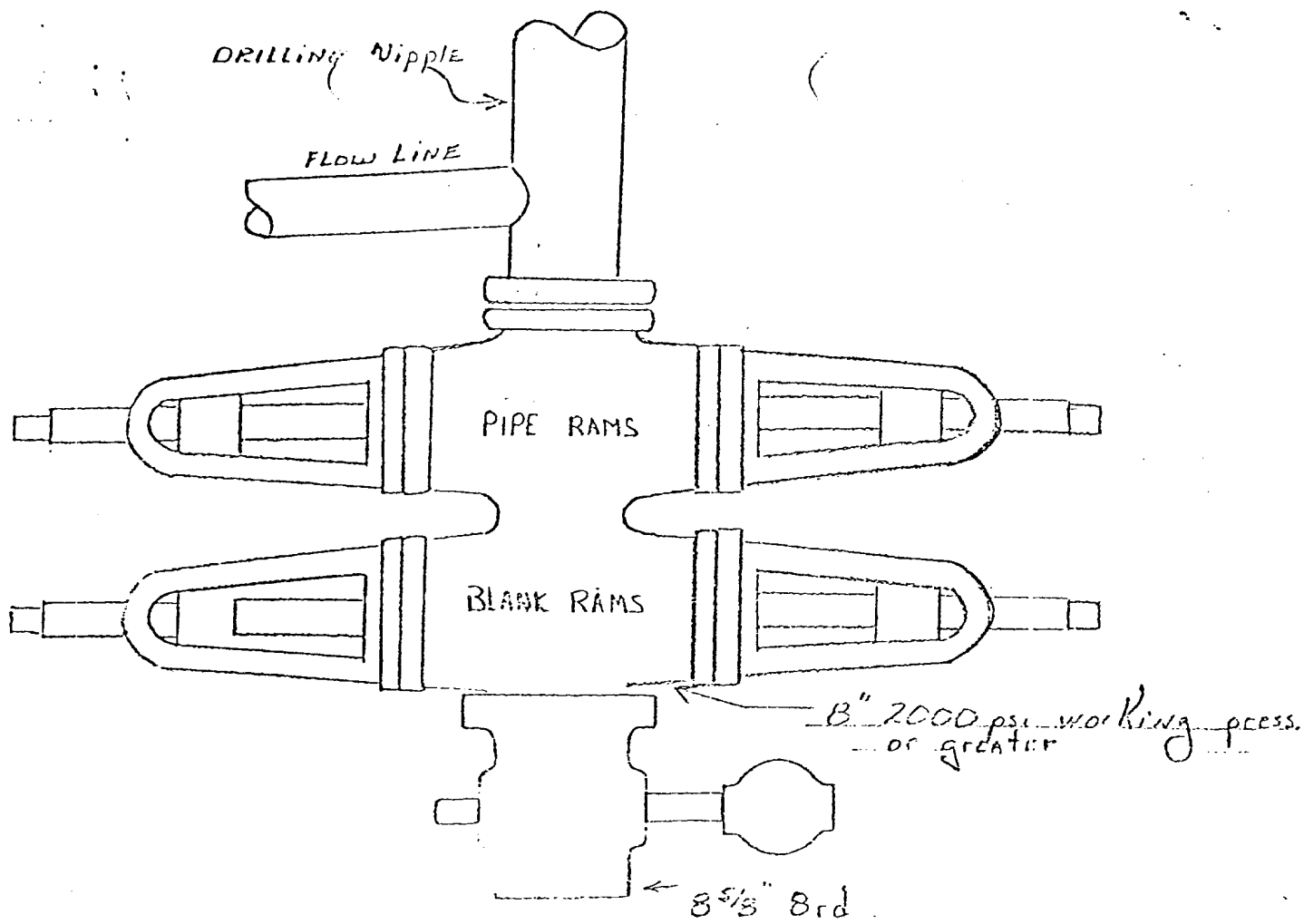
L. O. Van Ryan
District Production Manager

LOVR/dg

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DURANGO, COLO.

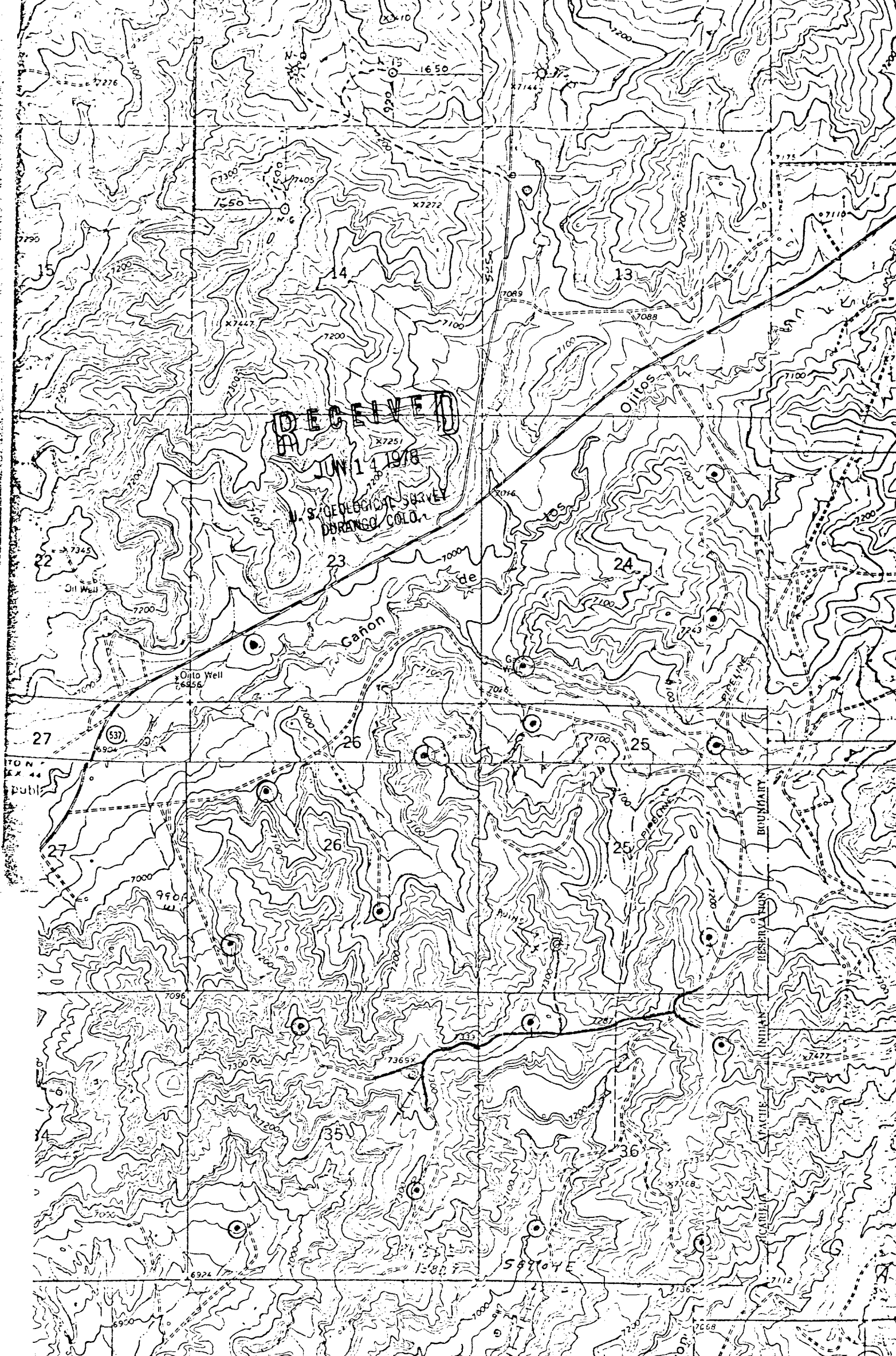





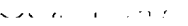
Preventers and spools are to have through bore of 8" - 2000# or larger.

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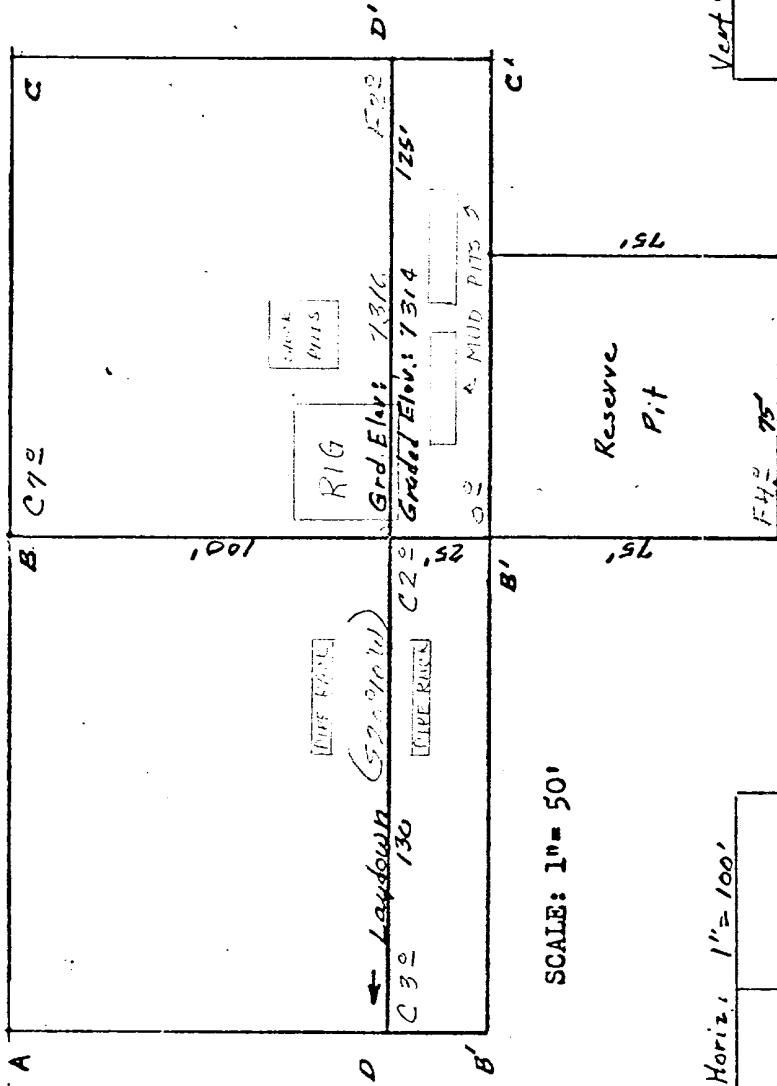
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.



PROPOSED LOCATION 
 EXISTING LOCATIONS 
 PROPOSED ROAD 
 EXISTING ROADS 

Vicinity Map for
 SOUTHLAND ROYALTY CO. #9 ARIZONA JICARILLA
 860'PSL 1150'FWL Sec 25-T25N-R14W
 Rio Arriba County, New Mexico

Location Profile for
 SOUTHLAND ROYALTY COMPANY #9 Arizona Jicarilla
 860' FSL 1450' FWL Sec 25-T25N-R14W
 Rio Arriba County, New Mexico



SCALE: 1" = 50'

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

D-D' ↓

1320			
1320			
1310			

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

B-B' ↓

1320			
1320			
1310			

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 JURANGO, COLO.

KERR LAND SURVEYING
 Date: June 7, 1978