

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-22019

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

5. LEASE DESIGNATION AND SERIAL NO.
Jic. Contract #151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Arizona Jicarilla "B"

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 10, T26N, R5W

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
1660' FNL & 800' FWL
At proposed prod. zone

12. COUNTY OR PARISH 13. STATE
Rio Arriba New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 miles south of Gobernador, New Mexico

16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

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

19. PROPOSED DEPTH
3777'

20. ROTARY OR CABLE TOOLS
Rotary

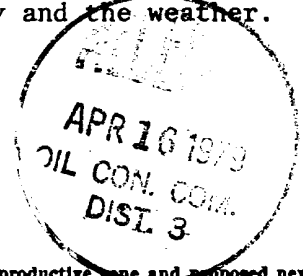
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6965' GR

22. APPROX. DATE WORK WILL START*
June 1, 1979

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#	135'	111 cu. ft.
6-3/4"	2-7/8"	6.5#	3777'	296 cu. ft.

Surface formation is San Jose.
 Top of Ojo Alamo sand is at 2807'.
 Fresh water mud will be used to drill from surface to total depth.
 It is anticipated that an IES and a GR-Density log will be run at total depth.
 No abnormal pressures or poisonous gases are anticipated in this well.
 It is expected that this well will be drilled before September 1, 1979. This depends on time required for approvals, 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. 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 April 10, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

oh Frank

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

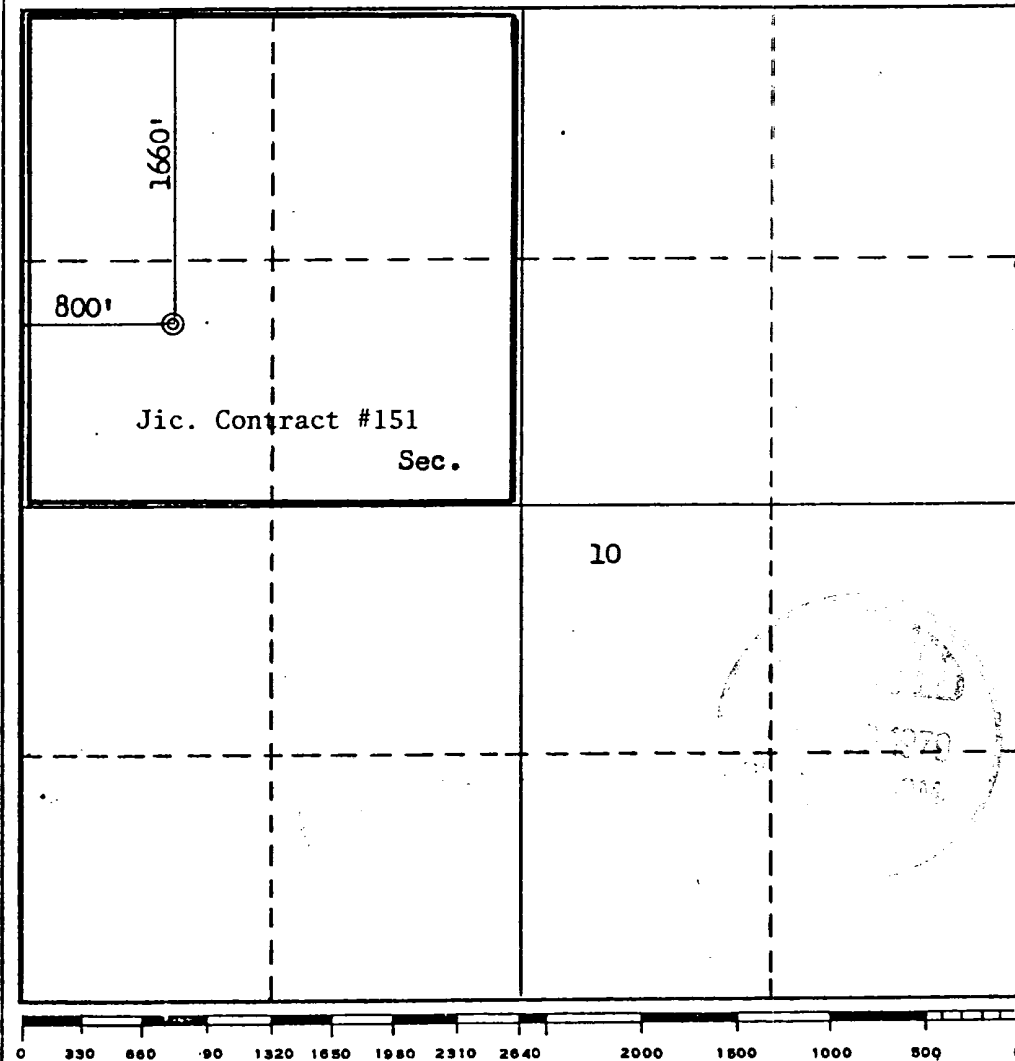
Operator SOUTHLAND ROYALTY COMPANY			Lease ARIZONA-JICARILLA "B"			Well No. 9
Unit Letter E	Section 10	Township 26N	Range 5W	County Rio Arriba		
Actual Footage Location of Well: 1660 feet from the North line and 800 feet from the West line						
Ground Level Elev. 6965	Producing Formation Pictured Cliffs		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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name *Stan Ryan*
 Position District Production Manager
 Company Southland Royalty Company
 Date April 10, 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 April 10 1979
 Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
 Certificate No. 3950

DRILLING SCHEDULE - Arizona Jicarilla "B" #9

Location: 1660' FNL & 800' FWL, Section 10, T26N, R5W, Rio Arriba, New Mexico

Field So. Blanco Pictured Cliffs

Elevation: 6965' GR

Geology:

Formation Tops:	Ojo Alamo	2807'
	Fruitland	3397'
	Pictured Cliffs	3577'
	Total depth	3777'

Logging Program: IES and GR-Density at total depth.

Coring Program : None

Natural Gauges : None

Drilling

Contractor:

Tool Pusher:

SRC Representative:

SRC Answering Service: 325-1841

Dispatch Number: 325-7391

Mud Program:

Fresh water mud from surface to total depth.

Materials

Casing Program:	<u>Hole Size</u>	<u>Depth</u>	<u>Casing Size</u>	<u>Wt. & Grade</u>	
	12-1/4"	135'	8-5/8"	24#	K-55
	6-3/4"	3777'	2-7/8"	6.5#	K-55

Float Equipment

8-5/8" Surface Casing: Pathfinder cement guide shoe (#1003-1-010).



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: April 10, 1979

Name: 

Title: District Production Manager



Southland Royalty Company

April 10, 1979

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

Attention: 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.

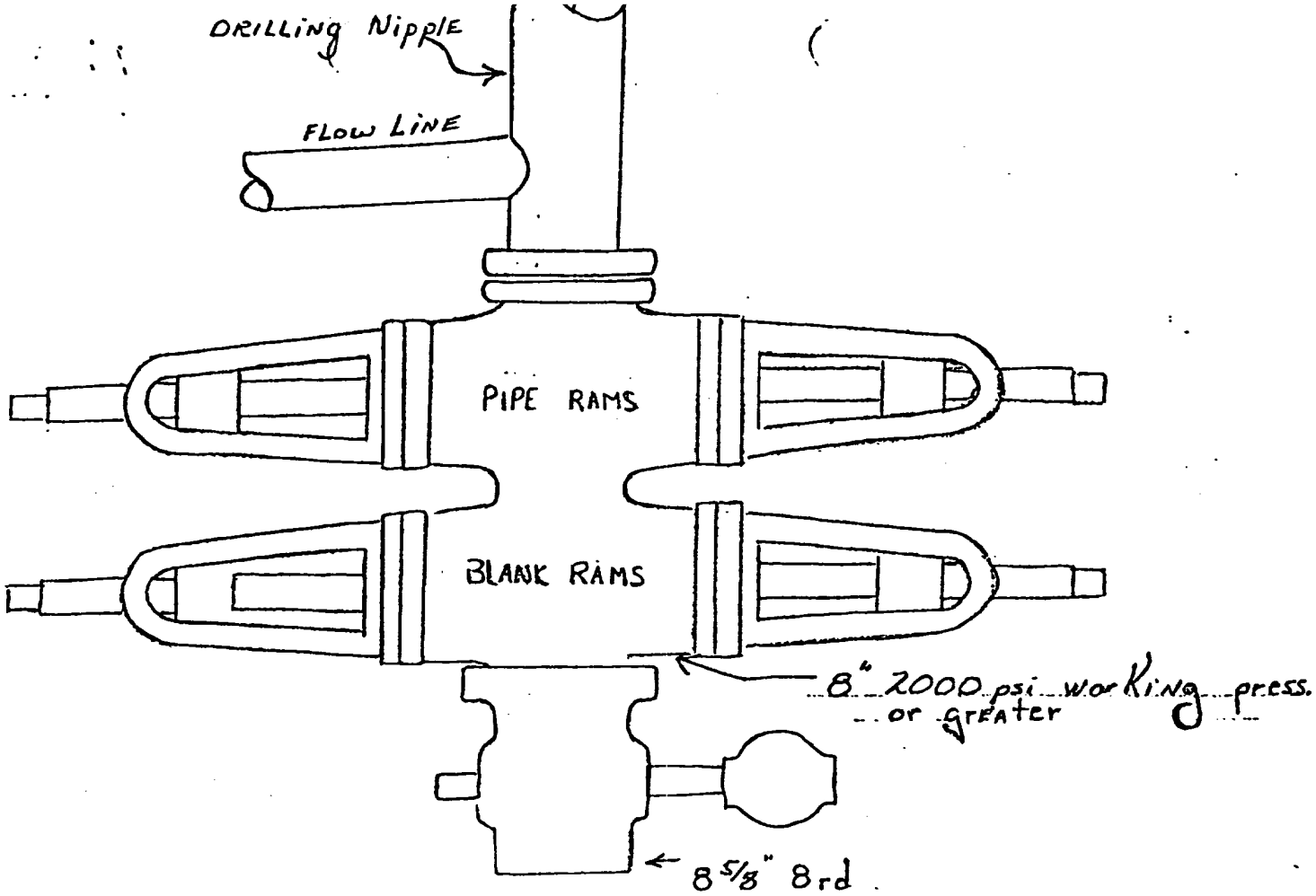
The preventer is 2000# working pressure and 6000# test.

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



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



Southland Royalty Company

April 10, 1979

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 "B" #9 well. The location 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, pipe racks and cut required to build this location.

Water supply will be Jicarilla Reservation water holes. All water will be transported by truck and stored on location.

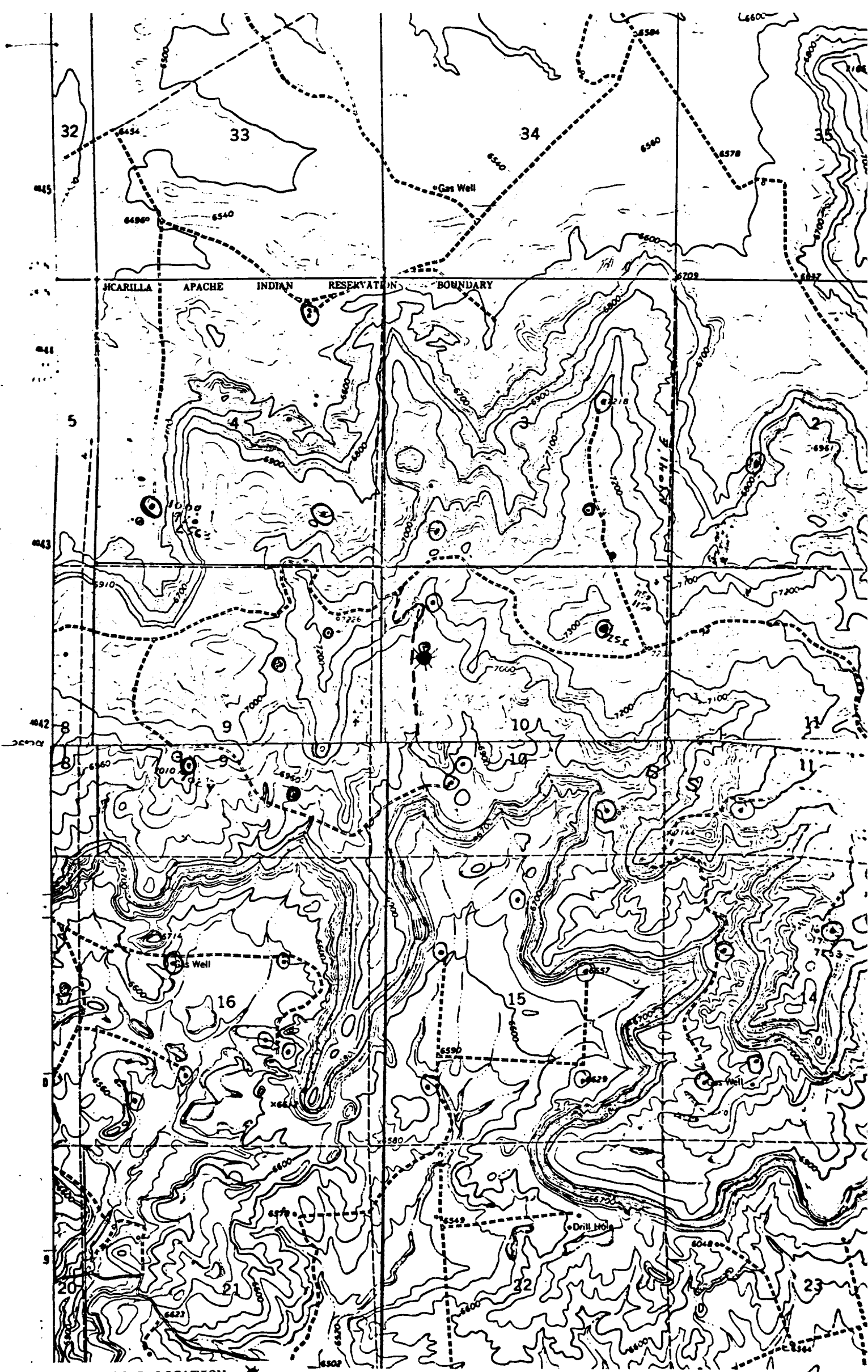
The location will be restored according to Bureau of Indian Affairs standards. This work will begin when all related construction is finished.

Mr. Ross Lankford will be Southland Royalty Company's field representative supervising these operations.

Yours truly,

L. O. Van Ryan
District Production Manager

LOVR/dg

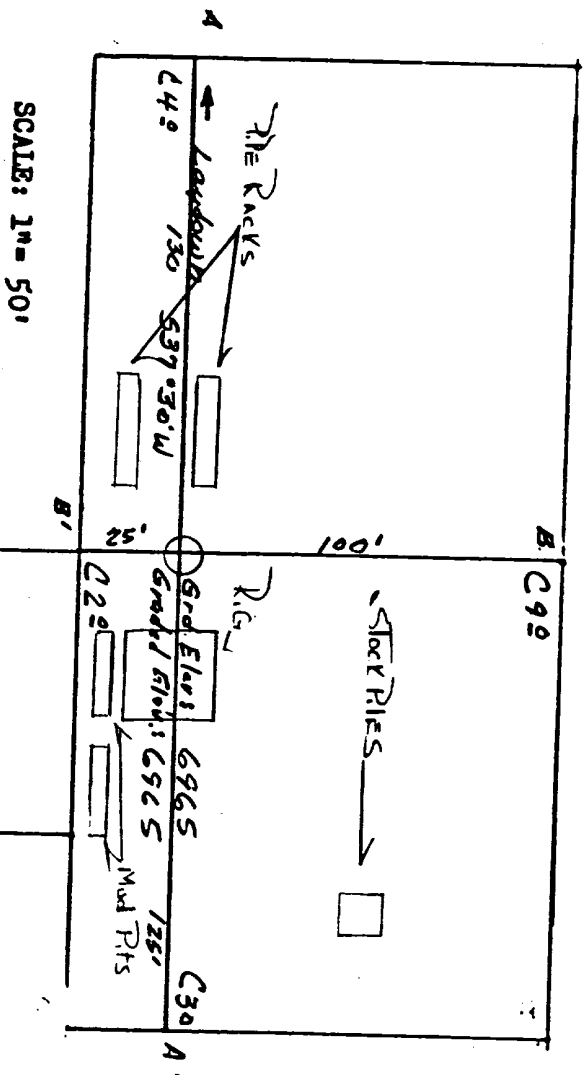
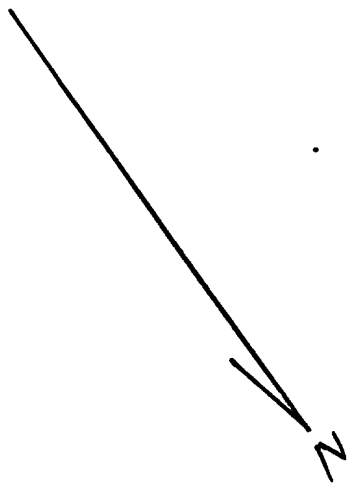


PROPOSED LOCATION *
 EXISTING LOCATIONS ○
 PROPOSED ROADS - - -
 EXISTING ROADS = = =

Vicinity Map for
 SOUTHLAND ROYALTY COMPANY #9 ARIZONA-JICARILLA "B"
 1660'FNL 800'FWL Sec 10-T26N-R5W
 RIO ARriba COUNTY, NEW MEXICO



SOUTHLAND ROYALTY CO. #9 ARIZONA-MICACRILLA "B"
 1660' FNL 800' FNL Sec 10-T26N-R5W
 RIO ARRIBA COUNTY, NEW MEXICO



Vert: 1" = 40'

A-A' &

Horiz: 1" = 100'

6980				
6970				
6960				
6950				

B-B' &

6980				
6970				
6960				
6950				

Vert: 1" = 40'

C-C' &

Horiz: 1" = 100'

D-D' &

KERR LAND SURVEYING
 Date: 4/4/99