

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-075-23884
24667
NM-10177

5. LEASE DESIGNATION AND SERIAL NO.
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
State Line
9. WELL NO.
#1
10. FIELD AND POOL, OR WILDCAT
Blanco Mesaverde
Basin Dakota
11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Section 13-T32N-13W
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico

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

1100' FNL & 940' FWL

At proposed prod. zone

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

6 miles northeast of La Plata, New Mexico

15. DISTANCE FROM PROPOSED*

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

1540'

16. NO. OF ACRES IN LEASE

861.78

17. NO. OF ACRES ASSIGNED
TO THIS WELL

N/320

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

7250'

19. PROPOSED DEPTH

5415

20. ROTARY OR CABLE TOOLS

Rotary

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

6153' GR

22. APPROX. DATE WORK WILL START*

September 31, 1979

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	500'	280 sxs (330.4 cu. ft.)
8-3/4"	7"	20#	3355'	265 sxs (373.2 cu. ft.)
6-1/4"	4-1/2"	10.5#	5415'	260 sxs (387.4 cu. ft.)
	2-3/8"	4.7#	5400'	
	1-1/2"	2.7#	3150'	

Surface formation is Kirtland Shale.

Top of Pictured Cliffs sand is at 460'.

Air will be used to drill from surface to total depth.

It is anticipated that a GR-Density and a GR-Induction 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 November 31, 1979. This depends on time required for approvals, rig availability and the weather.

gas not checked

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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 bearings data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED [Signature] TITLE District Production Manager August 30, 1979
(This space for Federal or State office use)

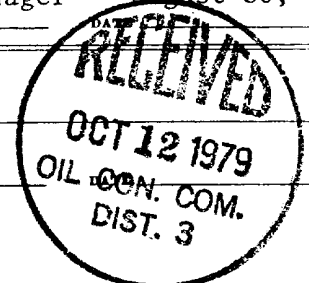
PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

CONDITIONS OF APPROVAL, IF ANY: _____



*See Instructions On Reverse Side

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

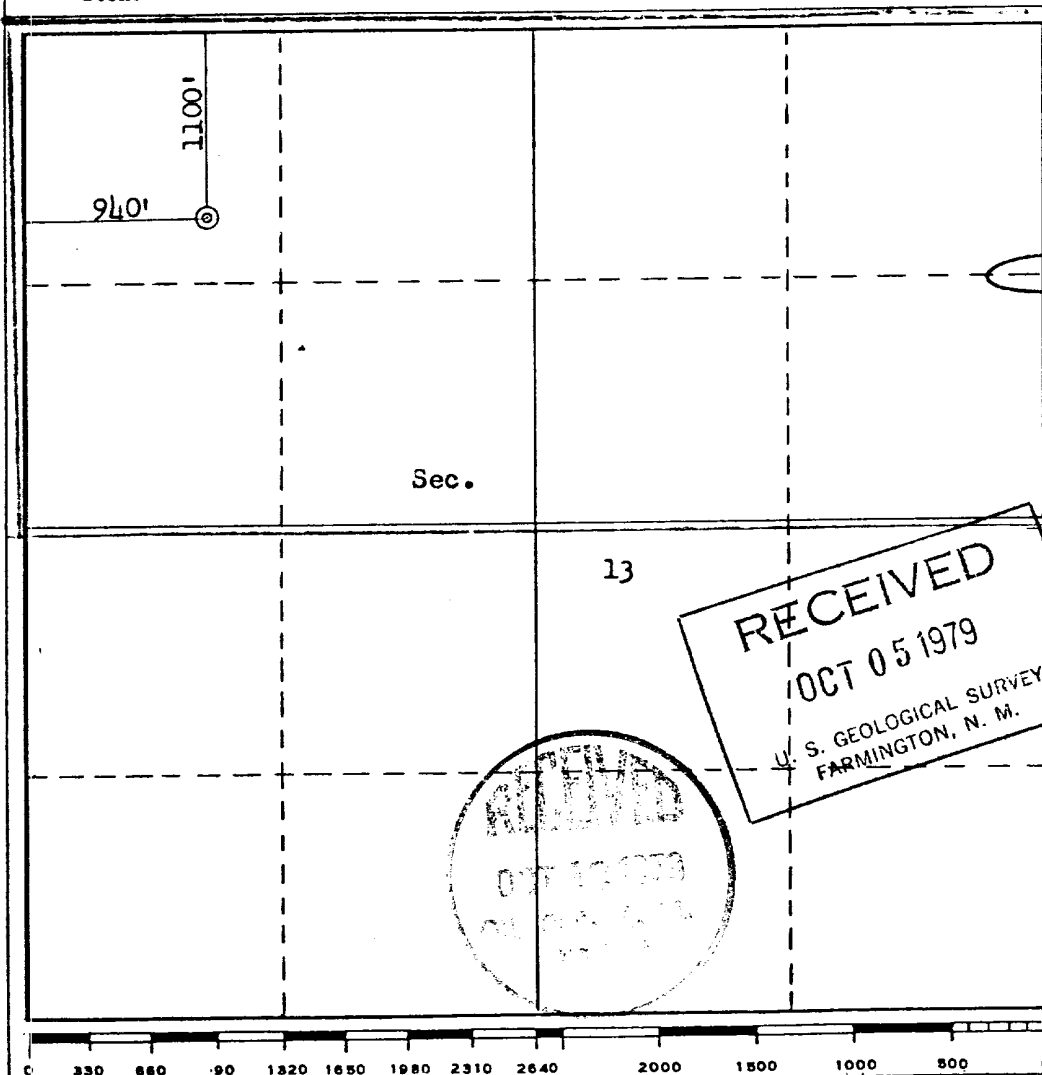
Operator SOUTHLAND ROYALTY COMPANY			Lease STATELINE		Well No. 1
Unit Letter D	Section 13	Township 32N	Range 13W	County San Juan	
Actual Footage Location of Well: 1100 feet from the North line and 940 feet from the West line					
Ground Level Elev. 6180	Producing Formation Mesa Verde - Dakota		Pool Blanco - Basin		Dedicated Acreage: 327.87 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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	<i>[Signature]</i>
Position	District Production Manager
Company	Southland Royalty Company
Date	August 30, 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	September 16, 1979
Registered Professional Engineer and/or Land Surveyor	
<i>[Signature]</i> Fred B. Kerr Jr.	
Certificate No.	3950

DRILLING SCHEDULE - STATE LINE #1

Location: Section 13, T32N, R13W
1100' FNL & 940' FWL

Elevation: 6153' GR

TD: 5415'

Field: Blanco Mesaverde/Basin Dakota

Geology:

Formation Tops:	Pictured Cliffs	460'	Intermediate TD	3355'
	Cliff House	2175'	Gallup	4330'
	Point Lookout	2975'	Graneros	5181'
	Top Mancos	3355'	Dakota	5315'

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

Coring Program: None

Natural Gauges: Gauge at last connection above Cliff House, Point Lookout and total depth.
Gauge any increase in gas flow.

Drilling:

Contractor:

Tool Pusher:

SRC Representative:

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

Mud Program: Air from surface to intermediate depth.
Air from intermediate depth to total depth.

Materials:

Casing Program:

Hole Size	Depth	Casing Size	Wt. & Grade
12-1/4"	500'	9-5/8"	36# K-55
8-3/4"	3355'	7"	20# K-55
6-1/4"	5415'	4-1/2"	10.5# K-55

Float Equipment:

9-5/8" surface casing:

Pathfinder, type "A", guide shoe.

7" intermediate casing:

Pathfinder, type "A", guide shoe. Pathfinder self-fill insert float valve. Five (5) Pathfinder rigid centralizers. Run float 2 joints above shoe. Run centralizers every other joint above shoe.

4-1/2" Liner:

Pathfinder, type "AP", guide shoe. Pathfinder, type "A", flapper float collar.

Tubing:

5400' of 2-3/8", 4.7# tubing.
3150' of 1-1/2", 2.76# tubing.

Wellhead Equipment:

9-5/8" X 10", 2000# casing head.
10", 2000# X 6", 2000# tubing head.

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DRILLING SCHEDULE - STATE LINE #1
PAGE TWO

Cementing Program:

9-5/8" surface casing: 280 sxs (330.4 cu. ft.) Class "B" with 1/4# gel-flake per sack and 3% CaCl₂. (100% Excess)

7" intermediate casing: 265 sxs (373.2 cu. ft.) 50/50, Class "B", Poz with 6% gel, 1/4# cello-flake. Mix cement with 7.2 gals water per sack to weigh 12.85 ppg. (100% Excess to cover Cliff House)

4-1/2" liner: 260 sxs (387.4 cu. ft.) 50/50, Class "B", Poz with 6% gel, 1/4# cello-flake and .6% Halad 9. Mix cement with 7.2 gals water per sack to weigh 12.85 ppg. (70% Excess to circulate liner)

L. O. Van Ryan

Date

RF/dfg





Southland Royalty Company

August 30, 1979

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

Attention: District Engineer

Dear Sir:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's State Line #1 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.

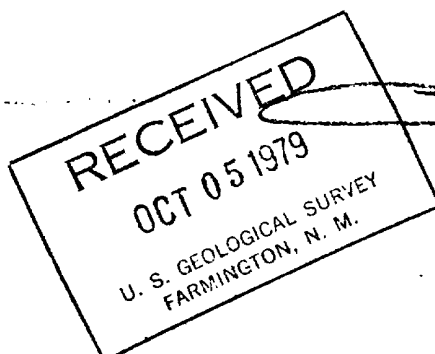
Also, enclosed is a location layout showing approximate location of rig, pits and pipe racks and cut required to build this location.

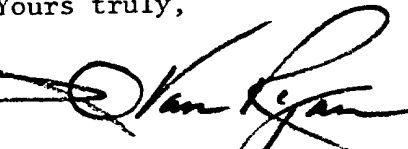
Water supply will be the La Plata Ditch.

The location will be restored according to Bureau of Land Management 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



Southland Royalty Company

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

Attention: District Engineer

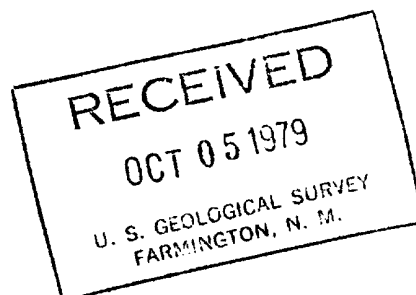
Dear Sir:

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: August 30, 1979

Name: 

Title: District Production Manager





Southland Royalty Company

August 30, 1979

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

Attention: District Engineer

Re: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 6" or larger double hydraulic blowout preventers and a hydraulic closing unit with steel lines.

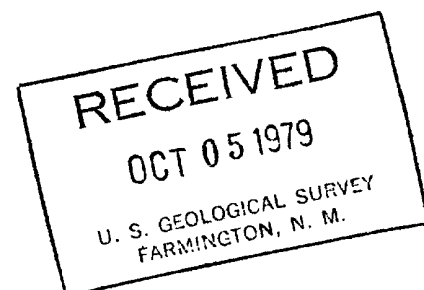
The preventer is 3000# working pressure and 6000# test.

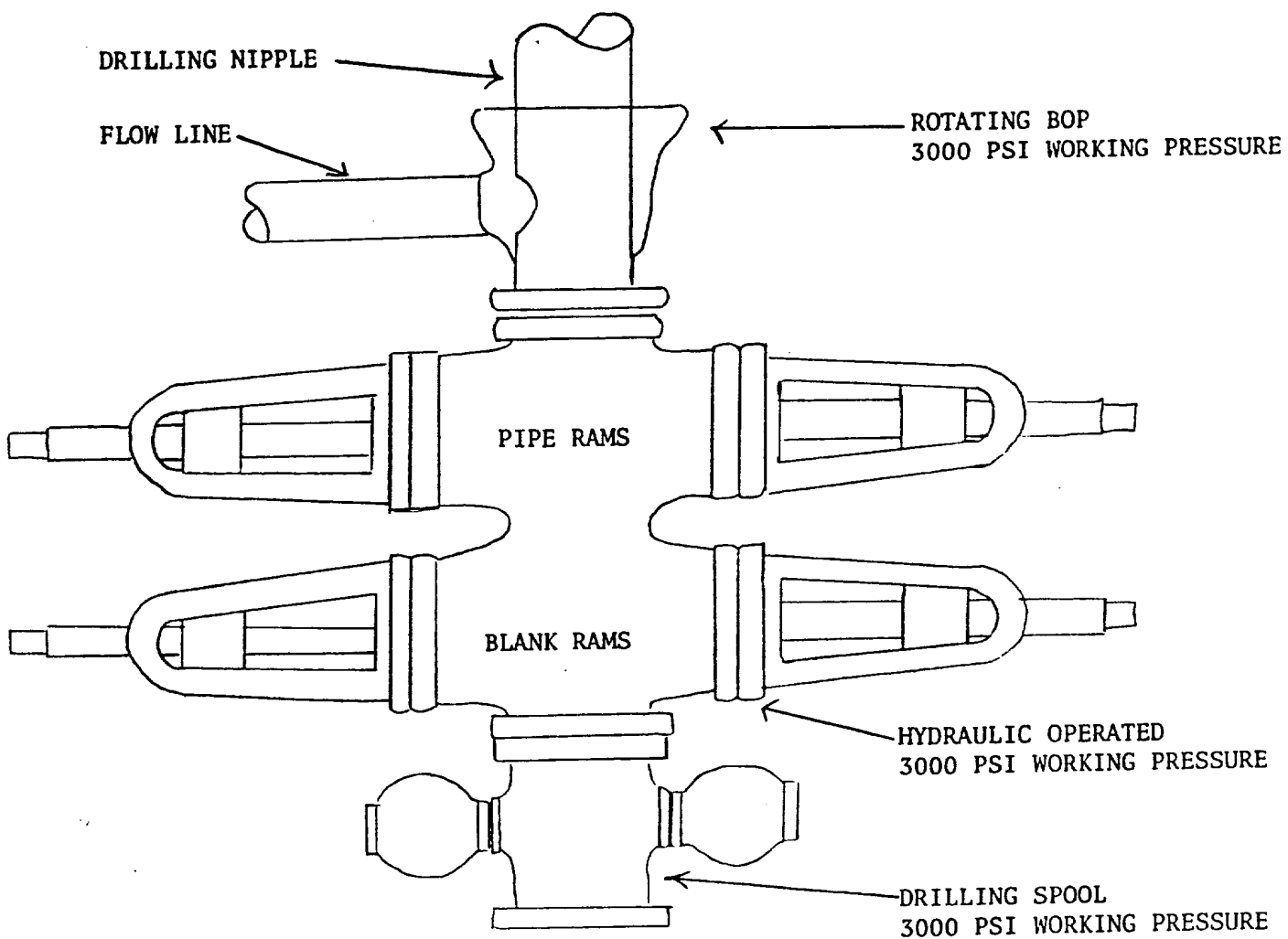
All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure proper operation.

Yours truly,

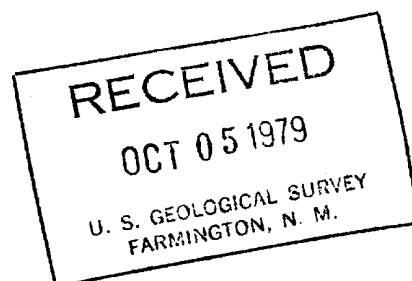
L. O. Van Ryan
District Production Manager

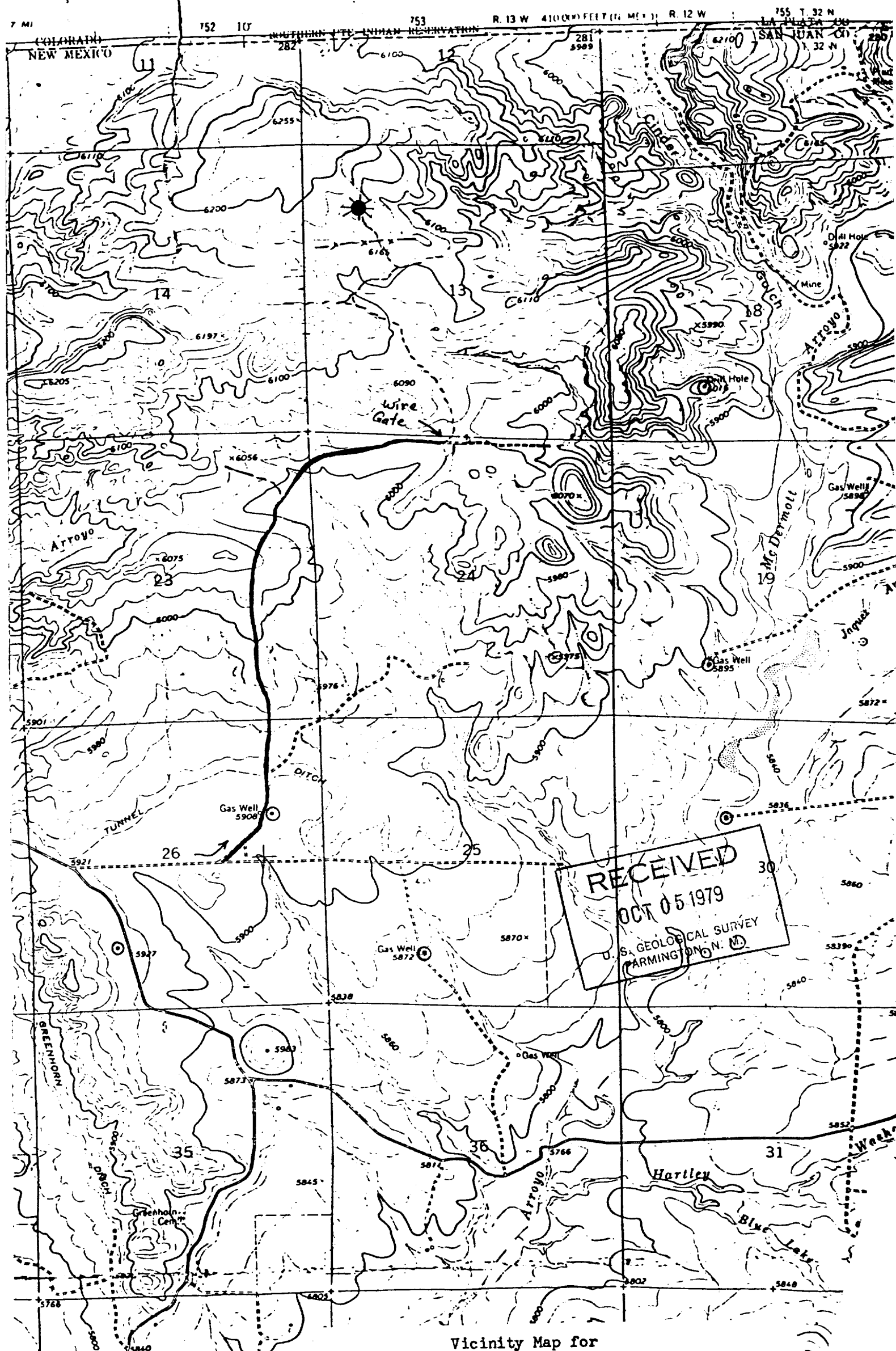
LOVR/dg





PREVENTERS AND SPOOLS ARE TO HAVE
THROUGH BORE OF 6" - 3000 PSI OR LARGER

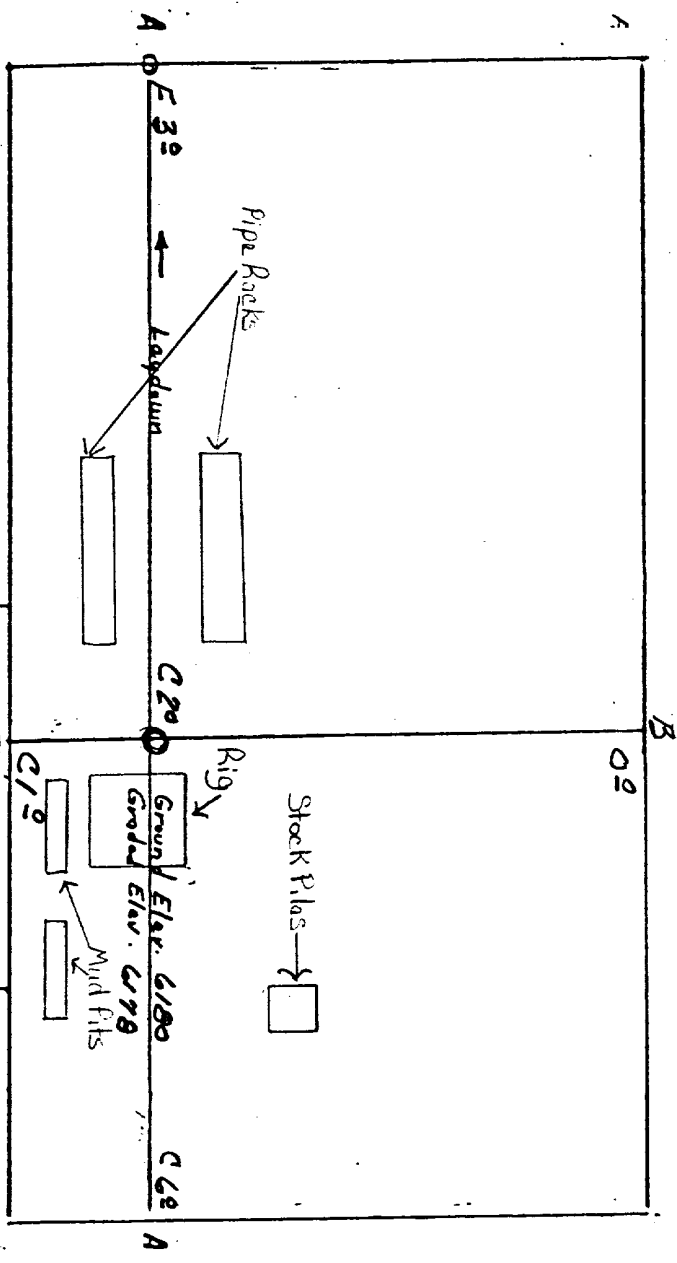




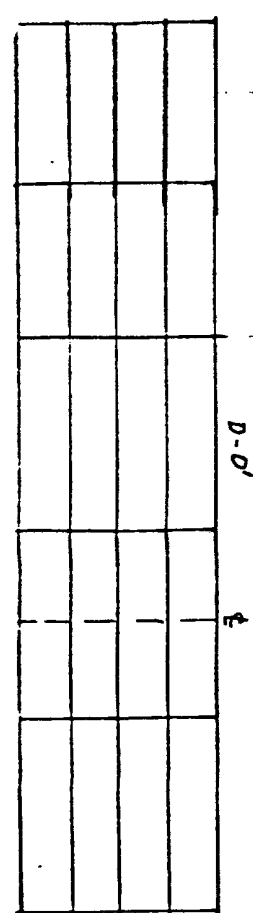
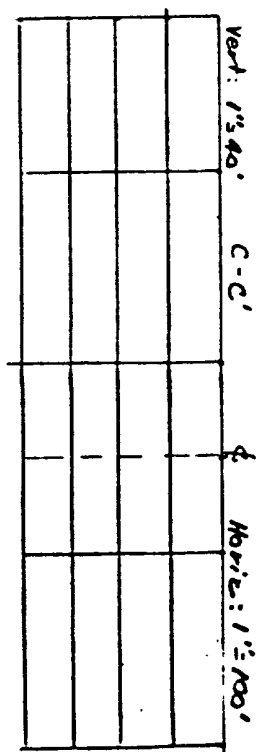
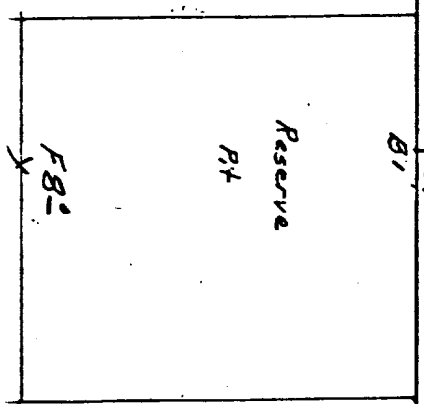
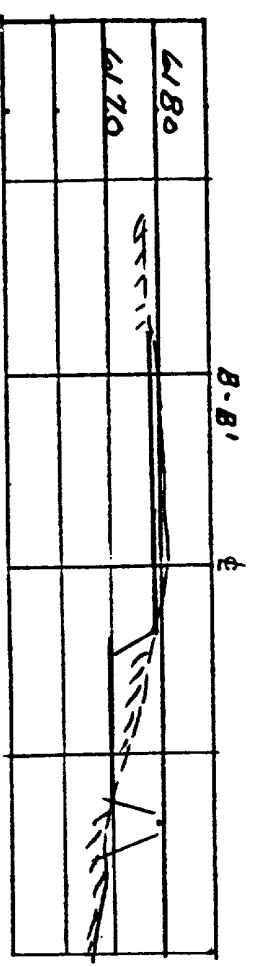
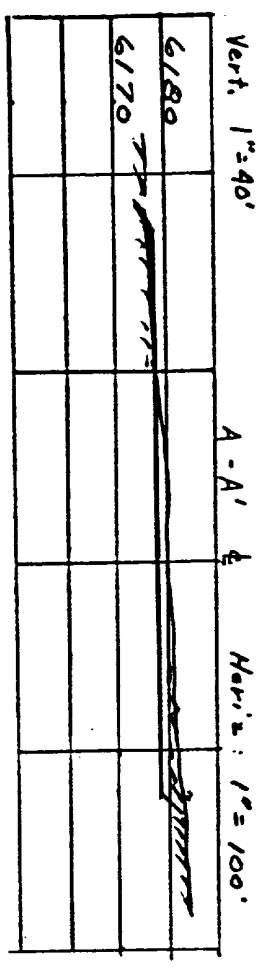
PROPOSED LOCATION *
EXISTING LOCATIONS ○
PROPOSED ROAD ———
EXISTING ROADS ———

Vicinity Map for
SOUTHLAND ROYALTY CO. #1 STATE LINE
1100' FNL 940' FWL Sec 13-T32N-R13W
SAN JUAN COUNTY, NEW MEXICO

LOCATION PROFILE FOR
 SOUTHLAND ROYALTY CO. #1 STATELINE
 1100' FNL 940' FWL Sec 13-T32N-R13W
 SAN JUAN COUNTY, NEW MEXICO



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 Date: 9-16-79