

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-6889
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Southland Royalty Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Drawer 570, Farmington, NM 87401		8. FARM OR LEASE NAME Reese Mesa
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 790' FNL & 2120' FEL At proposed prod. zone		9. WELL NO. #6
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 44 miles northeast of Aztec, New Mexico		10. FIELD AND POOL, OR WILDCAT Basin Dakota Blanco Mesa Verde
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)	16. NO. OF ACRES IN LEASE	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 10, T32N, R8W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 8542'	12. COUNTY OR PARISH San Juan
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6999' GR	17. NO. OF ACRES ASSIGNED TO THIS WELL 290.49	13. STATE New Mexico
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* June 21, 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"	32#	200'	219 cu.ft.
8 3/4"	7"	23#	6536'	536 cu.ft. (1st stage)
				484 cu.ft. (2nd stage)
6 1/4"	4 1/2"	10.5#	6386'-7000'	380 cu.ft.
	4 1/2"	11.6#	7000'-8542'	

Surface formation is San Jose.

Top of Ojo Alamo sand is at 2962'.

Top of Pictured Cliffs sand is at 3882'.

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

An air system will be used to drill from intermediate depth to total depth.

It is anticipated that a Gamma Ray Density and an IES log will be run at intermediate total depth.

It is anticipated that a Gamma Ray Density and a Gamma Ray Induction Log will be run at total depth.

It is expected that the well will be drilled before October 31, 1979. This depends on time required for approvals, rig availability and the weather.

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

Mesa Verde gas is dedicated. Dakota gas is not 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.

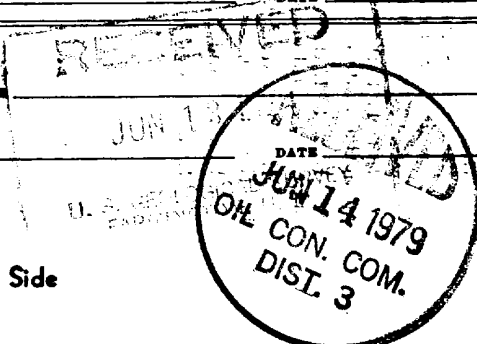
24.

SIGNED [Signature] TITLE District Production Manager DATE 6-1-79
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____
CONDITIONS OF APPROVAL, IF ANY: NWU - R-3817 for both zones

*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.

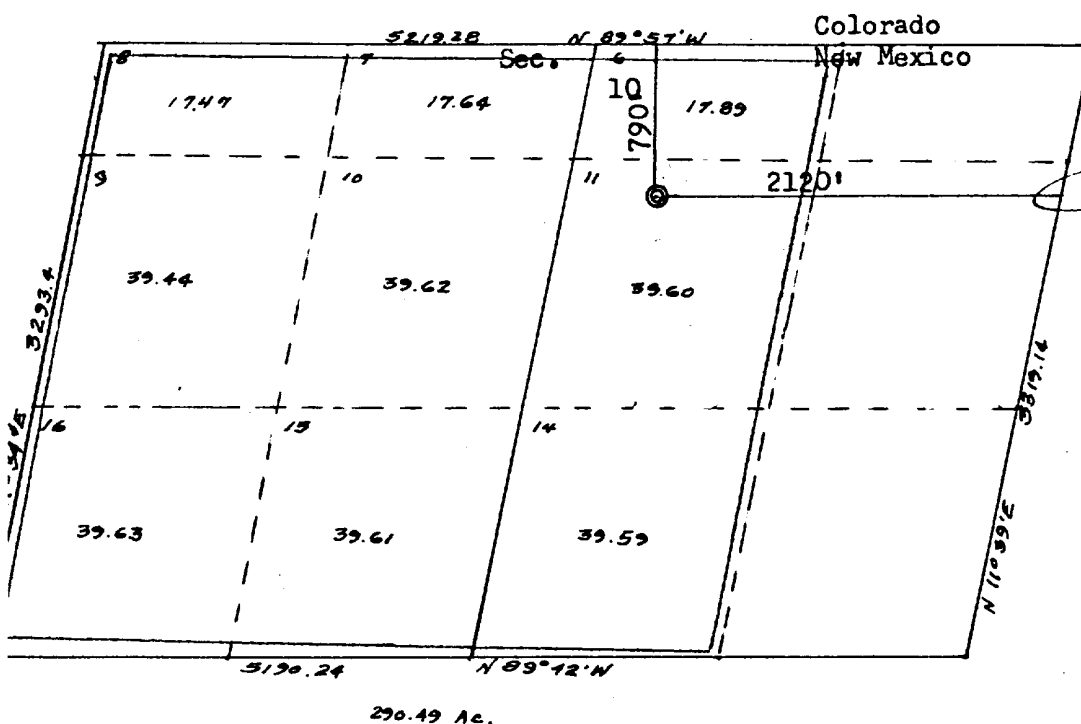
Operator SOUTHLAND ROYALTY COMPANY			Lease REESE MESA		Well No. 6
Unit Letter J (Lot #11)	Section 10	Township 32N	Range 8W	County San Juan	
Actual Footage Location of Well: 790 feet from the North line and 2120 feet from the East line					
Ground Level Elev. 6999	Producing Formation Mesaverde-Dakota		Pool Blanco-Basin		Dedicated Acreage: 290.49 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.



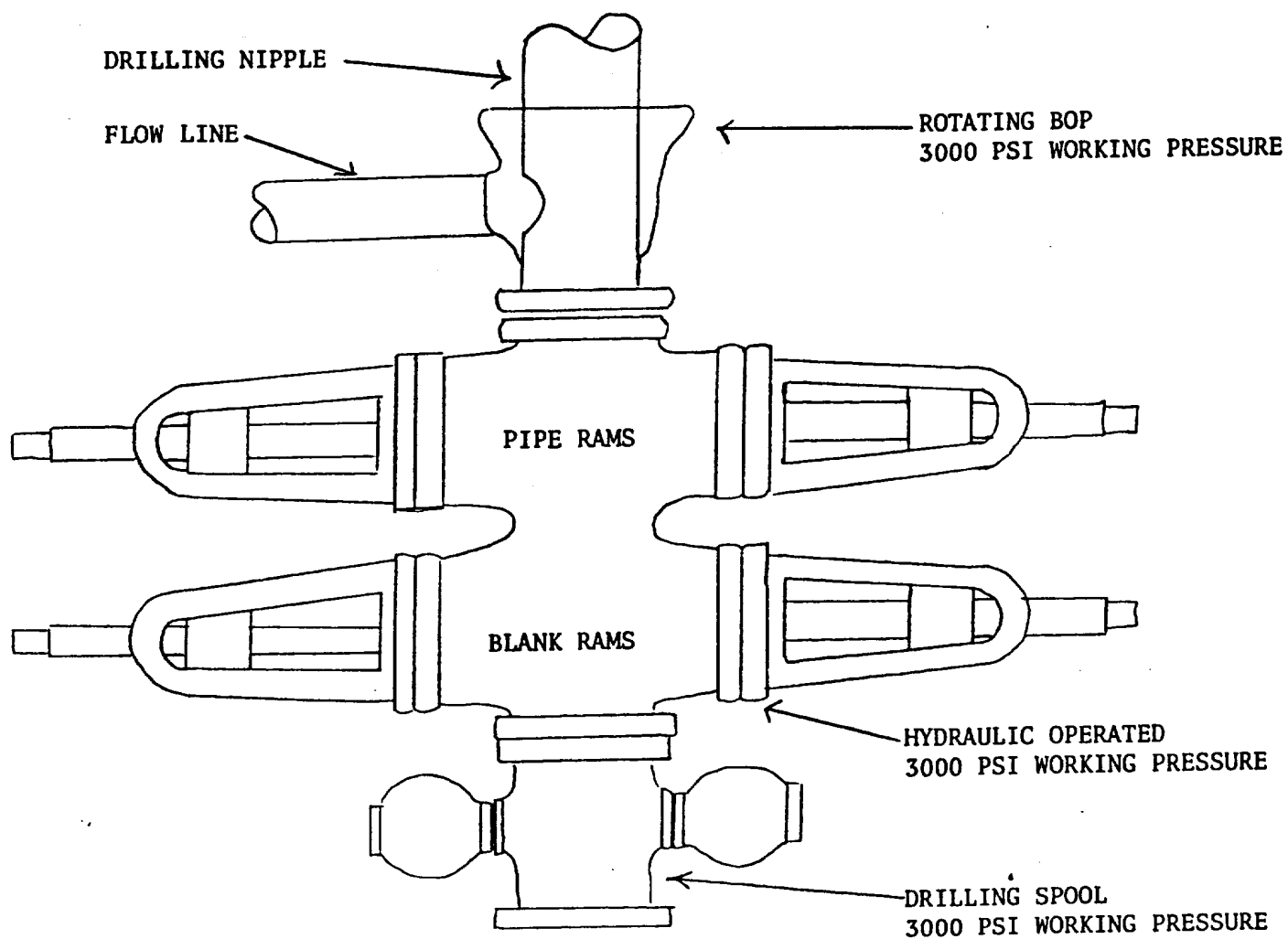
CERTIFICATION

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

Name _____
District Production Manager
Position
Southland Royalty Company
Company
June 1, 1979
Date

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
May 18, 1979
Registered Professional Engineer and Land Surveyor
Fred B. Kerr, Jr.
Certification No. **3950**



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



Southland Royalty Company

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

Attention: Mr. P. T. McGrath

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 1, 1979

Name: 

Title: District Production Manager



Southland Royalty Company

June 1, 1979

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

Attention: Mr. P. T. McGrath

Dear Sir:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Reese Mesa #6 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 an irrigation ditch from the Pine River.

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

June 1, 1979

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

Attention: Blowout Preventer Plan

Dear Sir:

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.

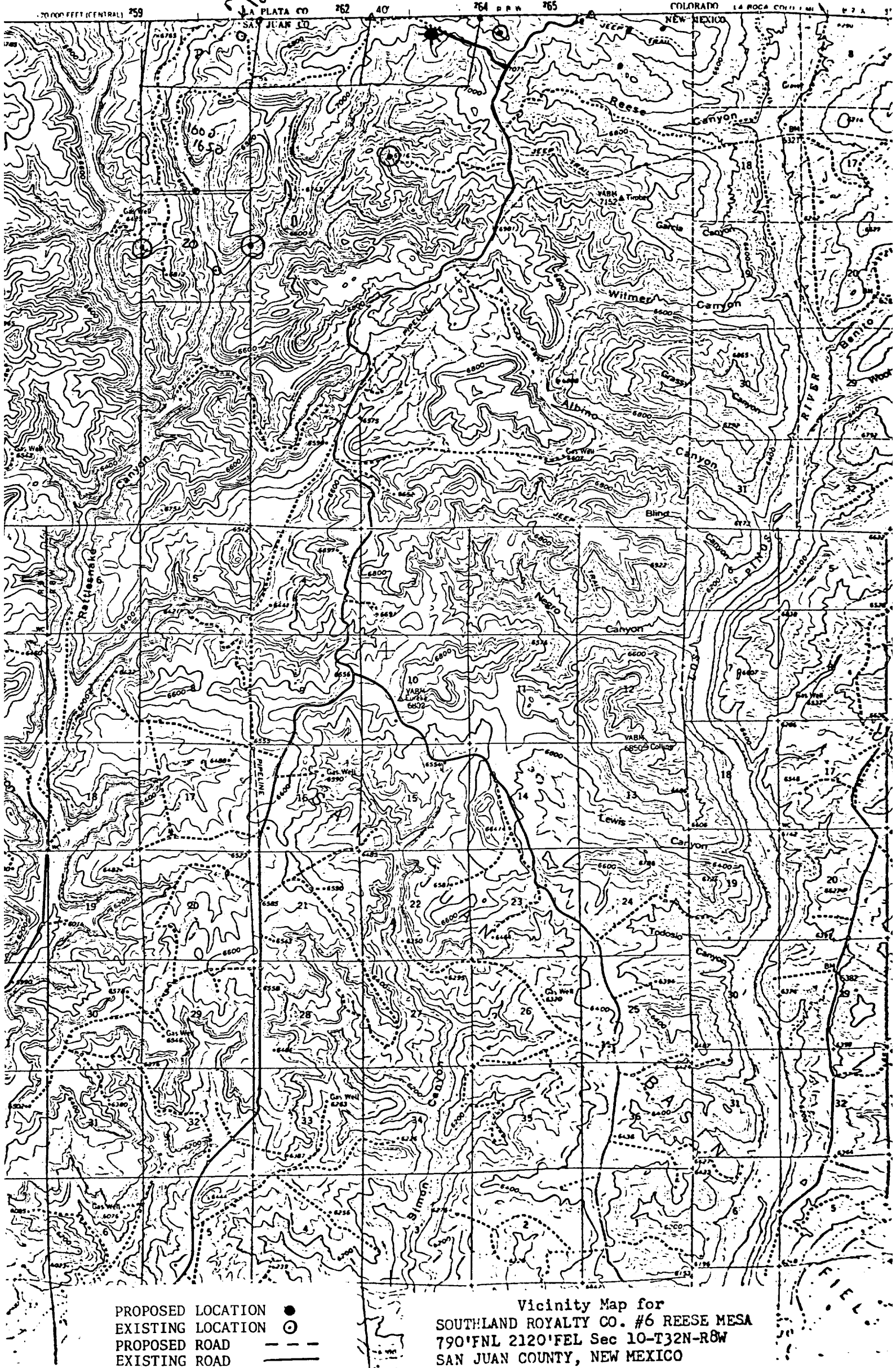
The preventer is 3000# working pressure and 6000# test.

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

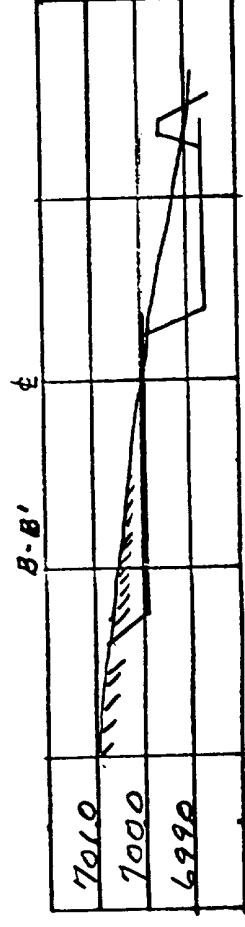
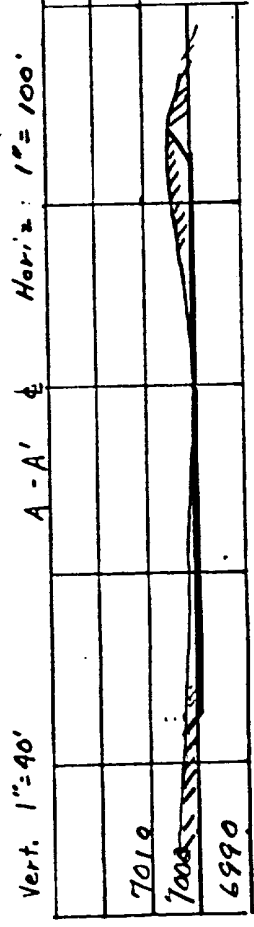
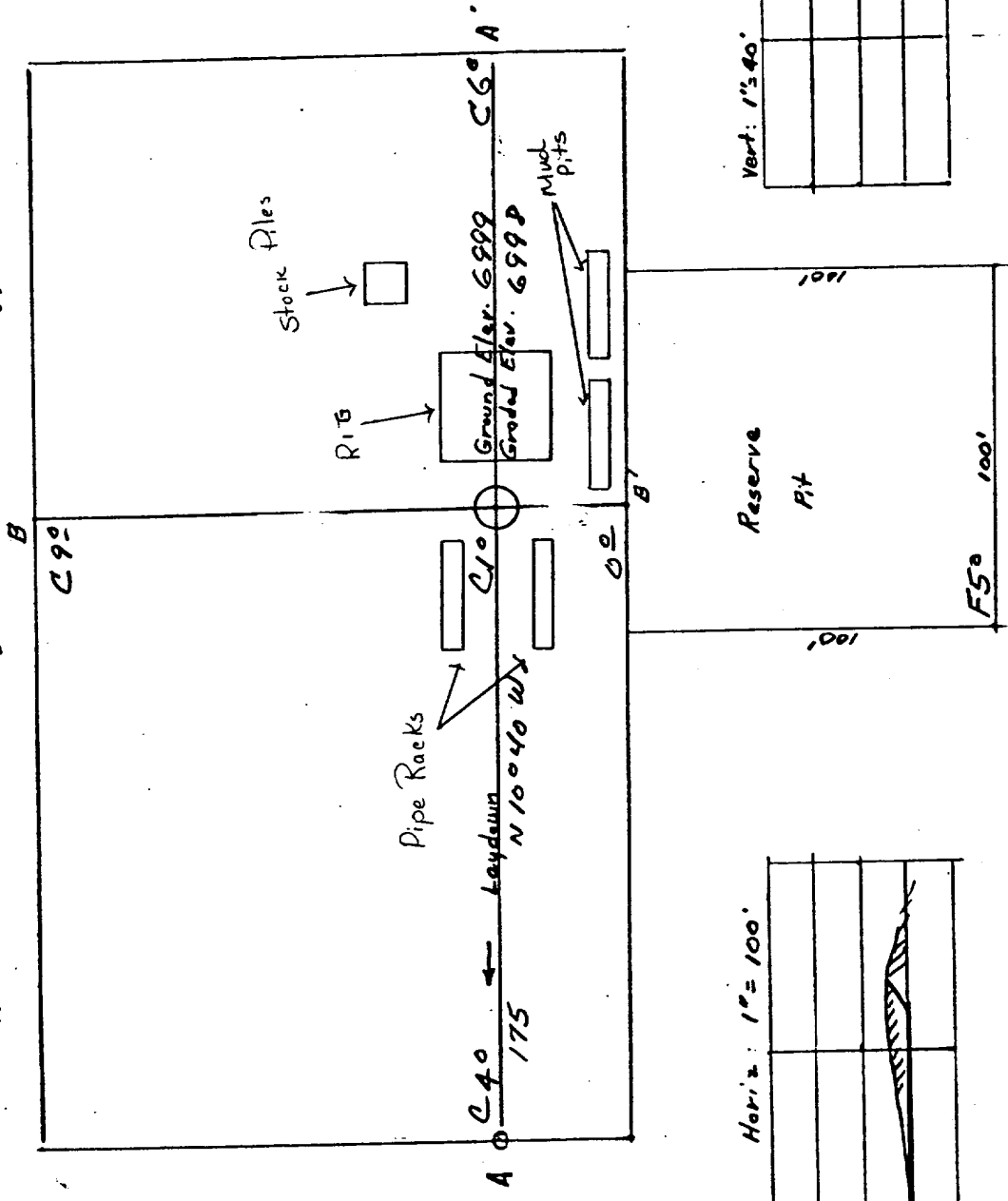
Yours truly,

L. O. Van Ryan
District Production Manager

LOVR/dg



LOCATION TOLLIES FOR
 SOUTHLAND ROYALTY COMPANY #6 REESE MESA
 790' FNL 2120' FEL Sec 10-T32N-R8W San Juan County, New Mexico



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

C-C'

D-D'

KERR LAND SURVEYING
 Date: May 18, 1979