

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-23350

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

820' FNL & 1810' FEL

At proposed prod. zone

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

10 miles North of Aztec, New Mexico 87410

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

160

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

19. PROPOSED DEPTH

3328'

20. ROTARY OR CABLE TOOLS

Rotary

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

6636'

22. APPROX. DATE WORK WILL START*

January 15, 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"	23#	120'	99 cu. ft.
6-3/4"	2-7/8"	6.5#	3328'	429 cu. ft.

Surface formation is San Jose.

Top of Ojo Alamo sand is at 1923'.

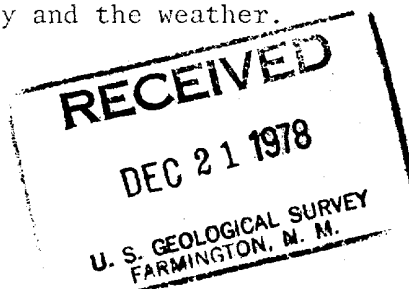
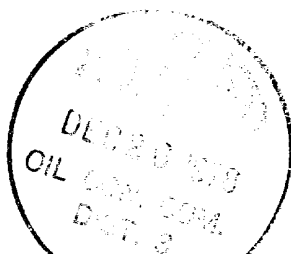
Fresh water mud will be used to drill from surface to total depth.

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 April 15, 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

TITLE

District Production Manager

DATE December 18, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

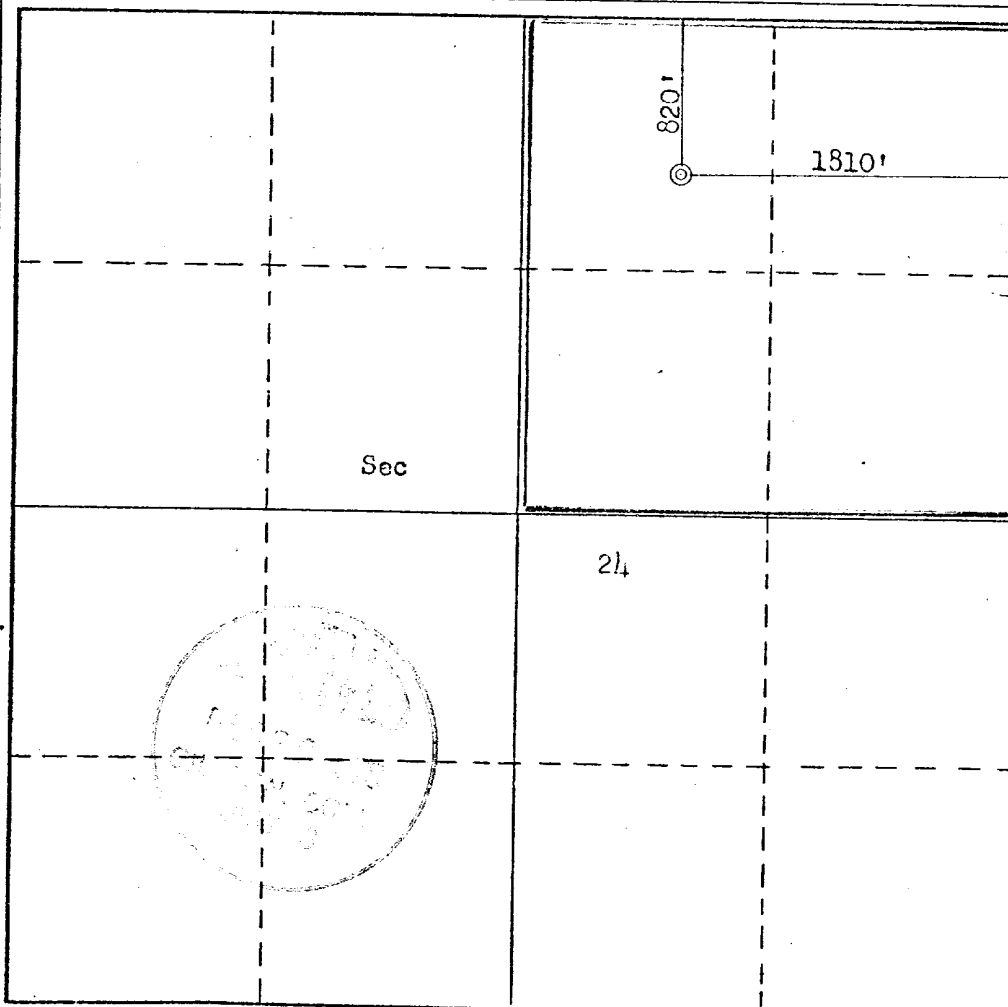
All distances must be from the outer boundaries of the Section.

Operator SOUTHLAND ROYALTY COMPANY			Lease DALSANT		Well No. 2
Unit Letter B	Section 24	Township 32N	Range 12W	County San Juan	
Actual Footage Location of Well: 820 feet from the North line and 1810 feet from the East line					
Ground Level Elev. 6636	Producing Formation Pictured Cliffs	Pool 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 _____
 Position _____
District Production Manager
 Company _____
Southland Royalty Company
 Date _____
December 18, 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 _____
November 17, 1978
 Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.
 Certificate No. _____
2050

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630

DRILLING SCHEDULE - DALSANT #2

Location: 820' FNL & 1810' FEL, Section 24, T32N, R12W, San Juan County, New Mexico

Field Blanco Pictured Cliffs

Elevation: 6636' GR

Geology:

Formation Tops:	Ojo Alamo	1923'
	Fruitland	2708'
	Pictured Cliffs	3148'
	Total depth	3328'

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.

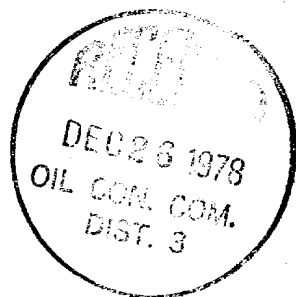
Materials

Casing Program:	Hole Size	Depth	Casing Size	Wt. & Grade	
	12-1/4"	120'	8-5/8"	24#	K-55
	6-3/4"	3328'	2-7/8"	6.5#	K-55

Float Equipment
Cementing

8-5/8" Surface Casing: $\frac{99}{\text{cu. ft.}}$ ($\frac{85}{\text{sxs}}$) Class "B" with 1/4# gel flake per sx and 3% CaCl_2 . (100% excess)

2-7/8" Production Casing: $\frac{429}{\text{cu. ft.}}$ ($\frac{248}{\text{sxs}}$) of 50/50 Class "B" Poz with 6% gel mixed with 7.2 gals water per sx to weigh 12.85 ppg. Tail in with 50 sxs Class "B" with 2% CaCl_2 . If lost circulation occurs add 1/4 cu. ft. fine gilsonite per sack. (50% excess to cover Ojo Alamo)





Southland Royalty Company

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

Attention: Mr. P. T. McGrath

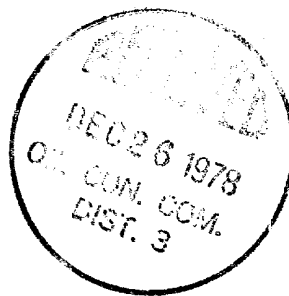
Dear Sir:

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: December 18, 1978

Name: *Edna L. Ryan*

Title: District Production Manager





Southland Royalty Company

December 18, 1978

United States Geological Survey
P. O. Box 959
Farmington, New Mexico 87410

Attention: Mr. P. T. McGrath

Dear Sir:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Dalsant #2 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.

There will be no camps or air strips.

Also, enclosed is location layout showing approximate location of rig, pits and pipe racks.

Water supply will be Farmer's Ditch.

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,

SOUTHLAND ROYALTY COMPANY

L. O. Van Ryan
District Production Manager



LOVR/dg



Southland Royalty Company

December 18, 1978

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

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.

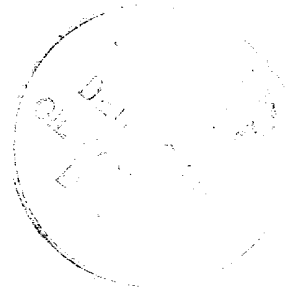
The preventer is 3000# working pressure and 6000# test.

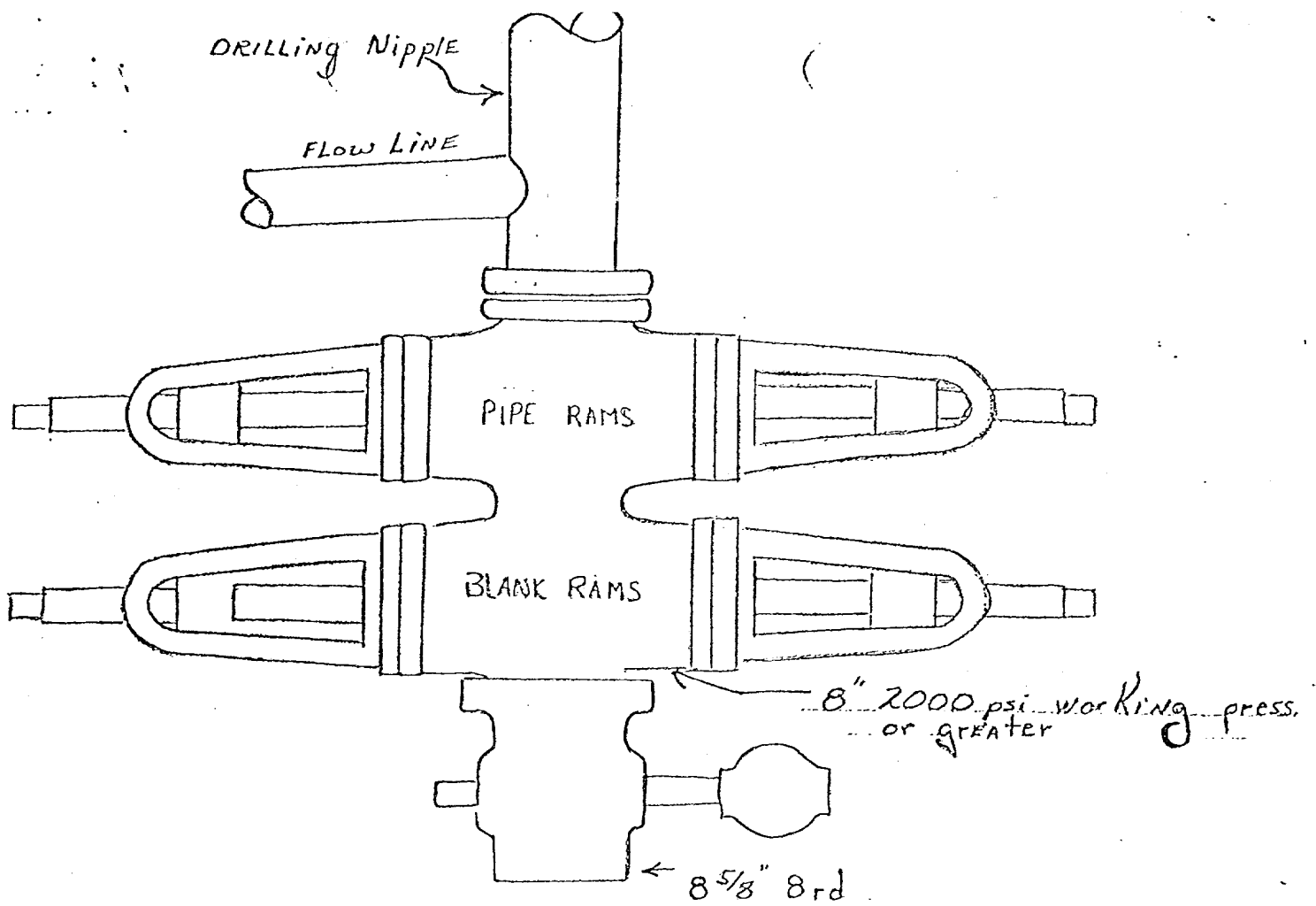
All crews will be thoroughly trained in the operation of this preventer.
The preventer will be tested frequently enough to insure proper operation.

Yours truly,

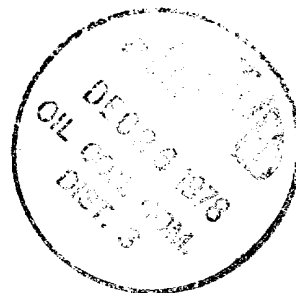
L. O. Van Ryan
District Production Manager

LOVR/dg

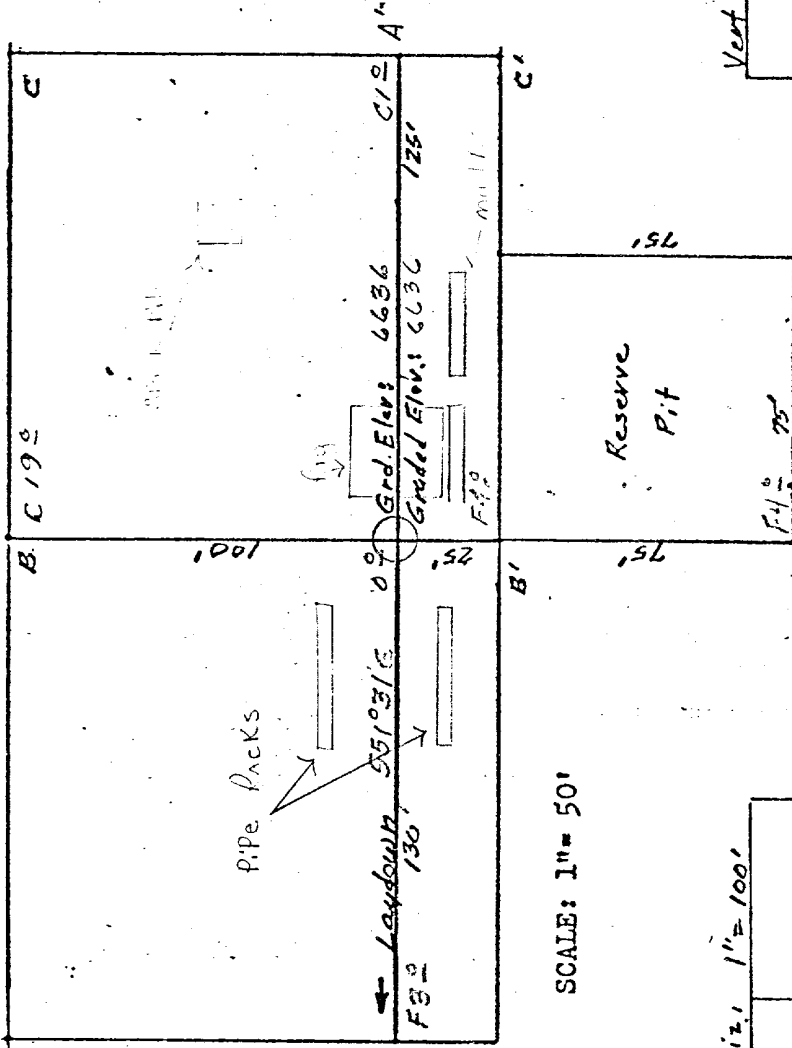




Preventers and spools are to have
 through bore of 8" - 2000# or larger.



SOUTHLAND ROYALTY CO. #2 DALSANT
 820' FNL 1810' FEL Sec 24-T32N-R12W San Juan County, New Mexico



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

6450				
6440				
6430				
6420				

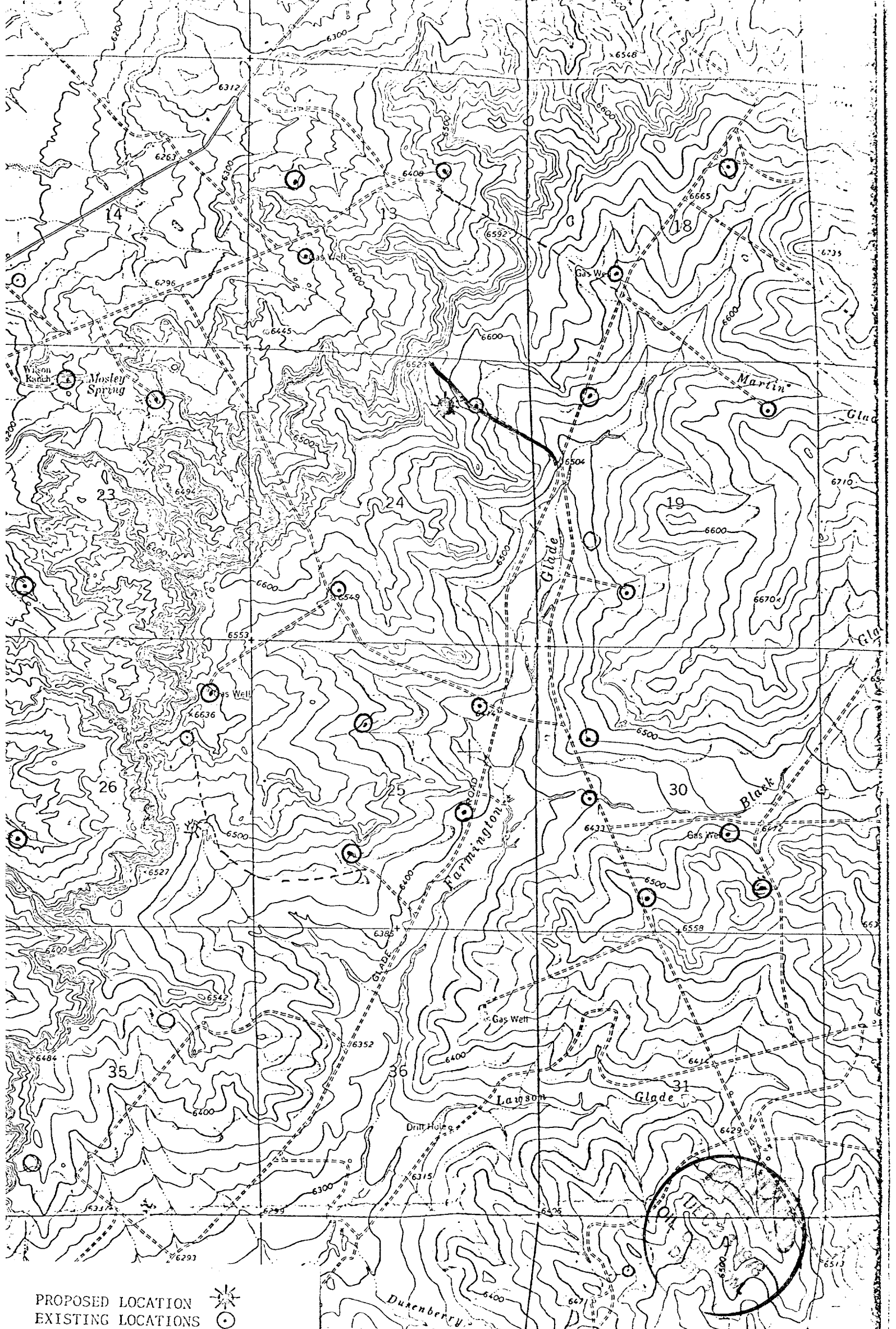
B-B' &

6450				
6440				
6430				
6420				

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

D-D' &

KERR LAND SURVEYING
 Date: 11-18-78



PROPOSED LOCATION
EXISTING LOCATIONS
PROPOSED ROAD
EXISTING ROADS



Vicinity map for
SOME LAND ROYALTY CO. #2 DALSANT
820' x 1810' SEC 24-T32N-R12W
SAN JOAQUIN COUNTY, NEW MEXICO