

1. Physiographic diagram of California, Nevada, and Oregon

a) overlay showing relation of Kelly Hot Spring area
to other geothermal prospects.

2. Map of Northeastern Modoc County, California

- a) overlay showing geothermal phenomena
- b) overlay showing Kelly Hot Spring area and drainage basins.

EXPLANATION

Hot or Warm Spring

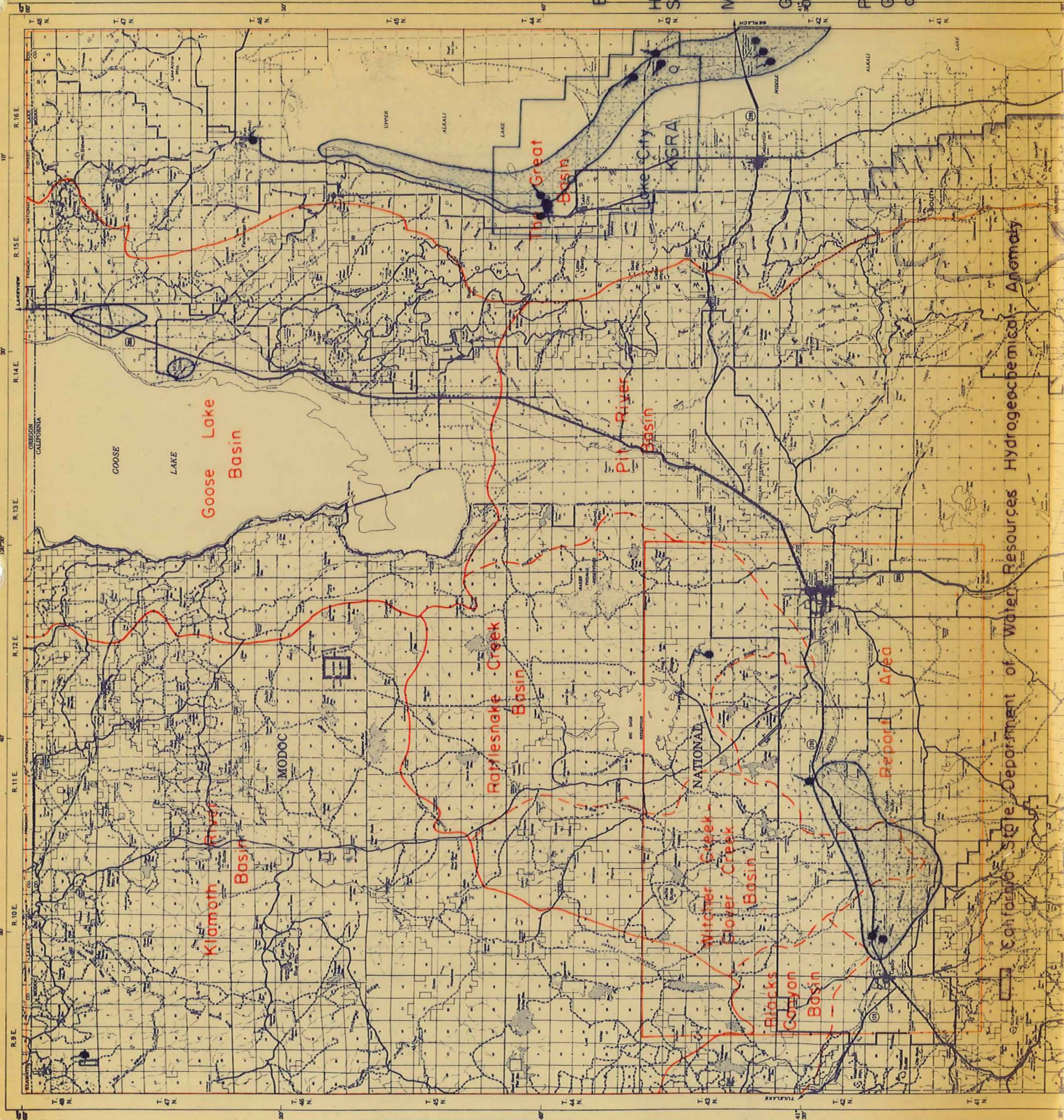
#

Mud Volcanoes

Geothermal Well or Test

o

Proposed Geothermal Well or Test

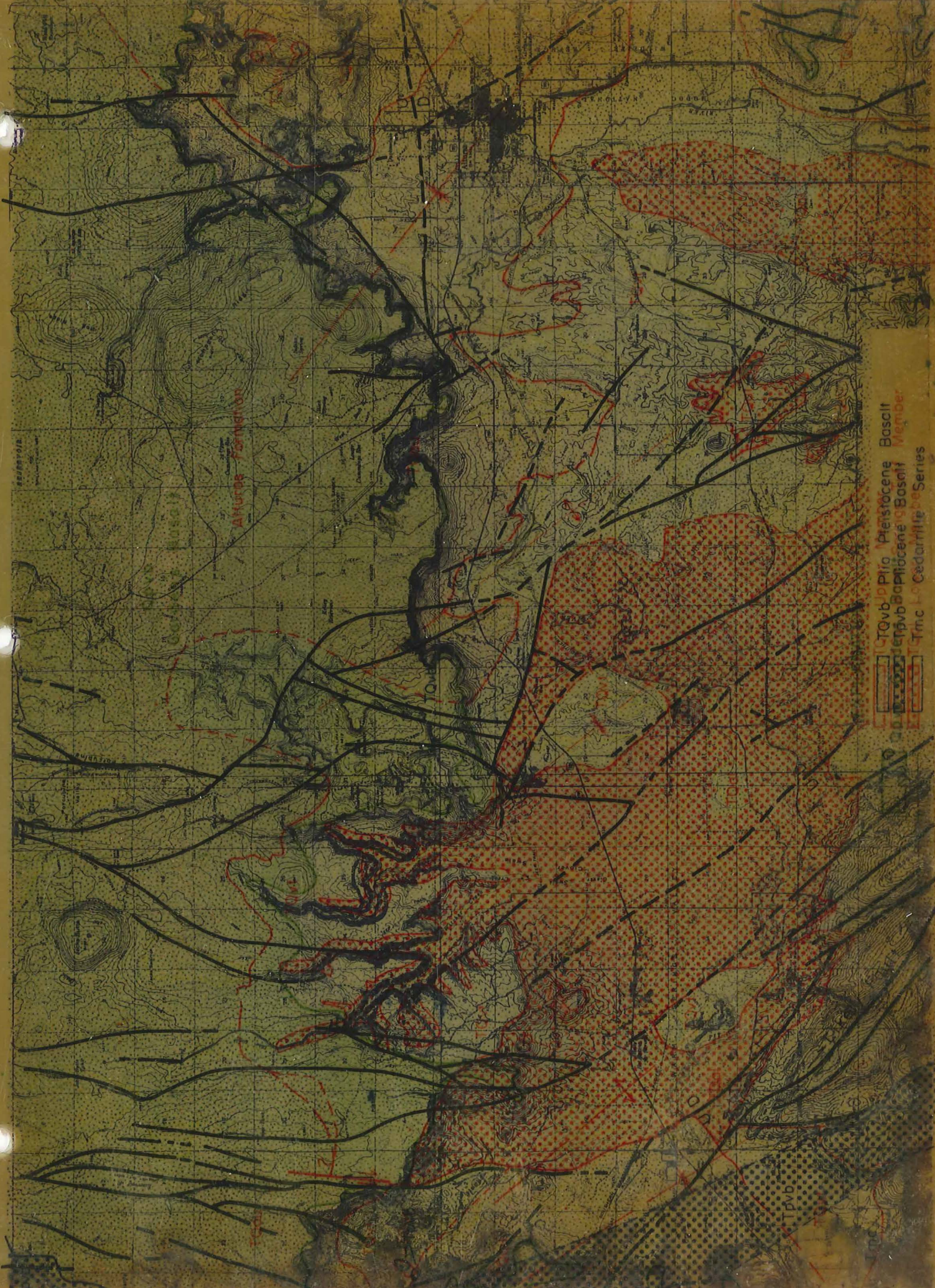


California State Department of Water Resources Hydrogeological Anomaly

3. U.S. Forest Service ownership in the Kelly Hot Spring area

4. Geology map of the Kelly Hot Spring area.

- a) geologic structure
- b) overlay showing Pliocene and Miocene Formations
- c) overlay showing the Alturas Formation
- d) overlay showing the Garden Basalt
- e) overlay showing the alluvium



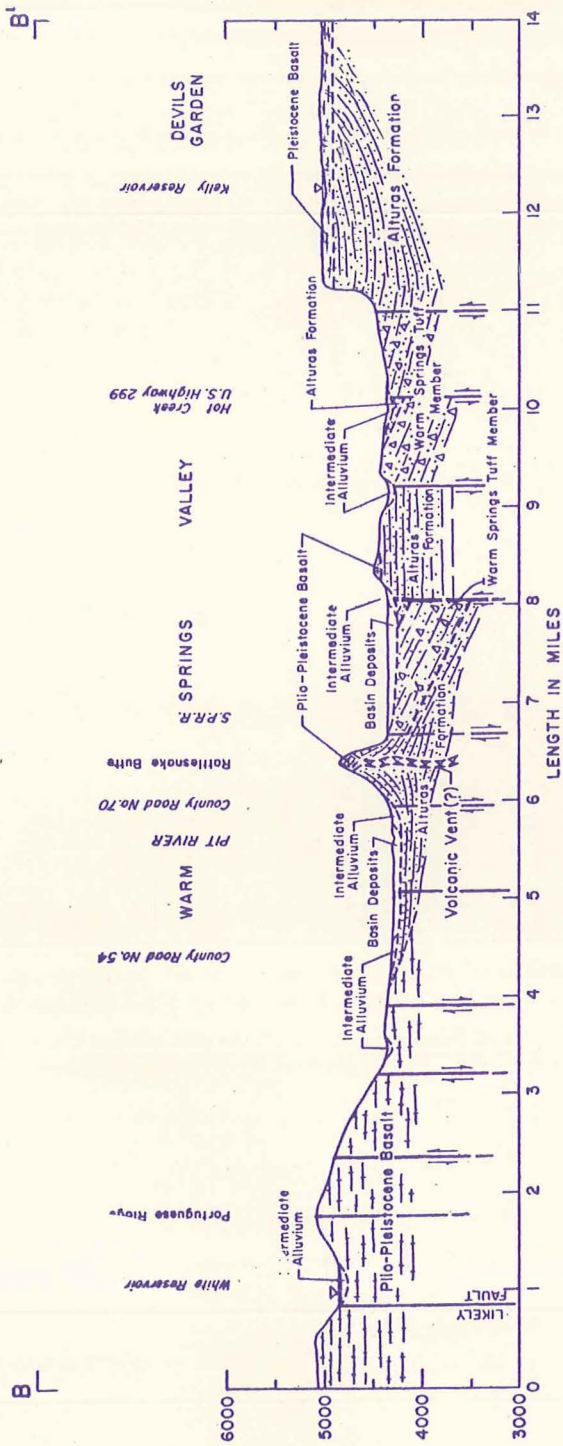
Legend:

- TQvb Plio Pleistocene Basalt Member
- TPvb Pliocene Basalt Member
- Tmc Cedarville Series

Tpvb

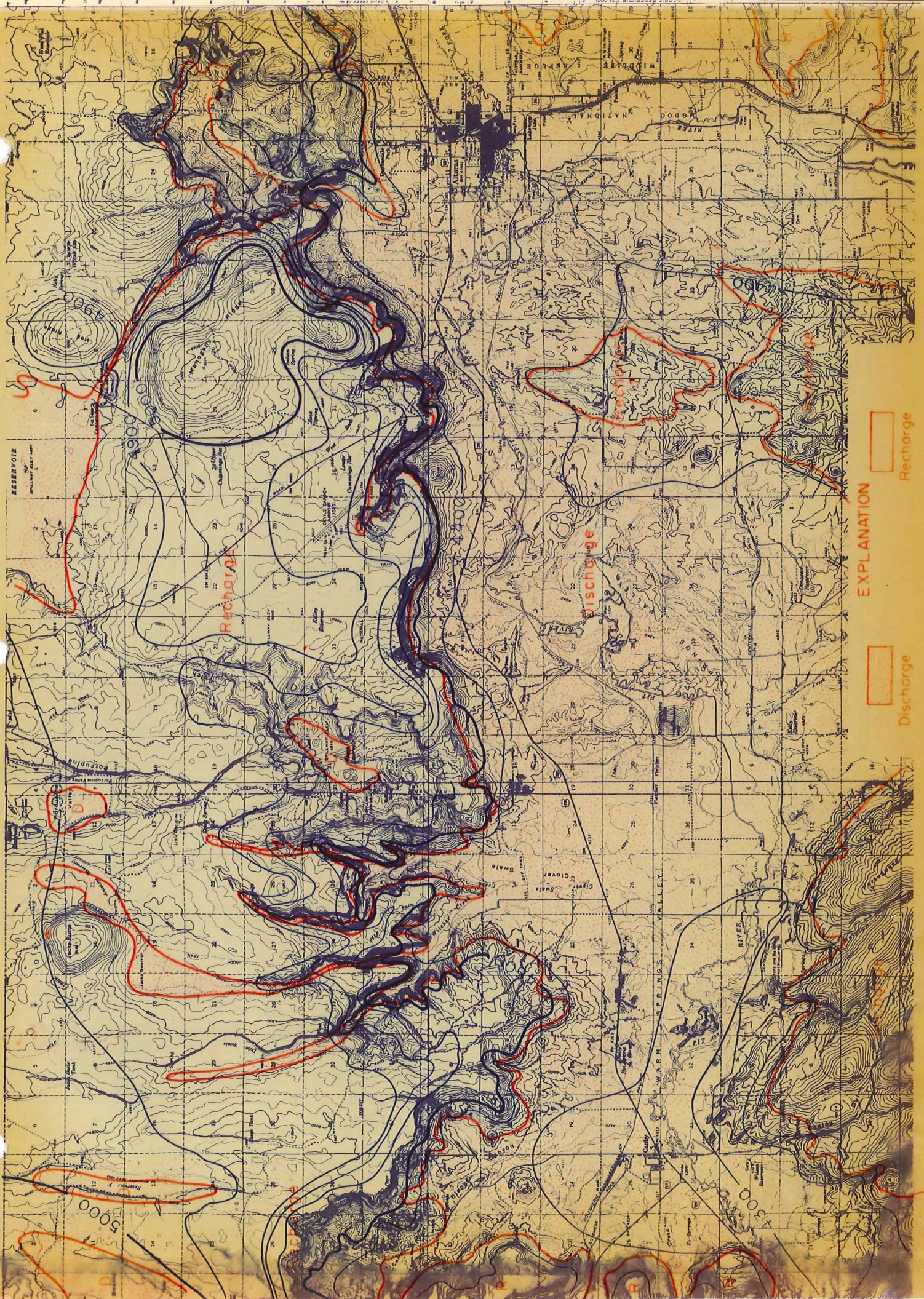
5. Geologic cross-sections

- a) A-A'
- b) B-B'



6. Hydrologic map of the Kelly Hot Spring area

- a) overlay with water contours
- b) overlay showing recharge and discharge areas

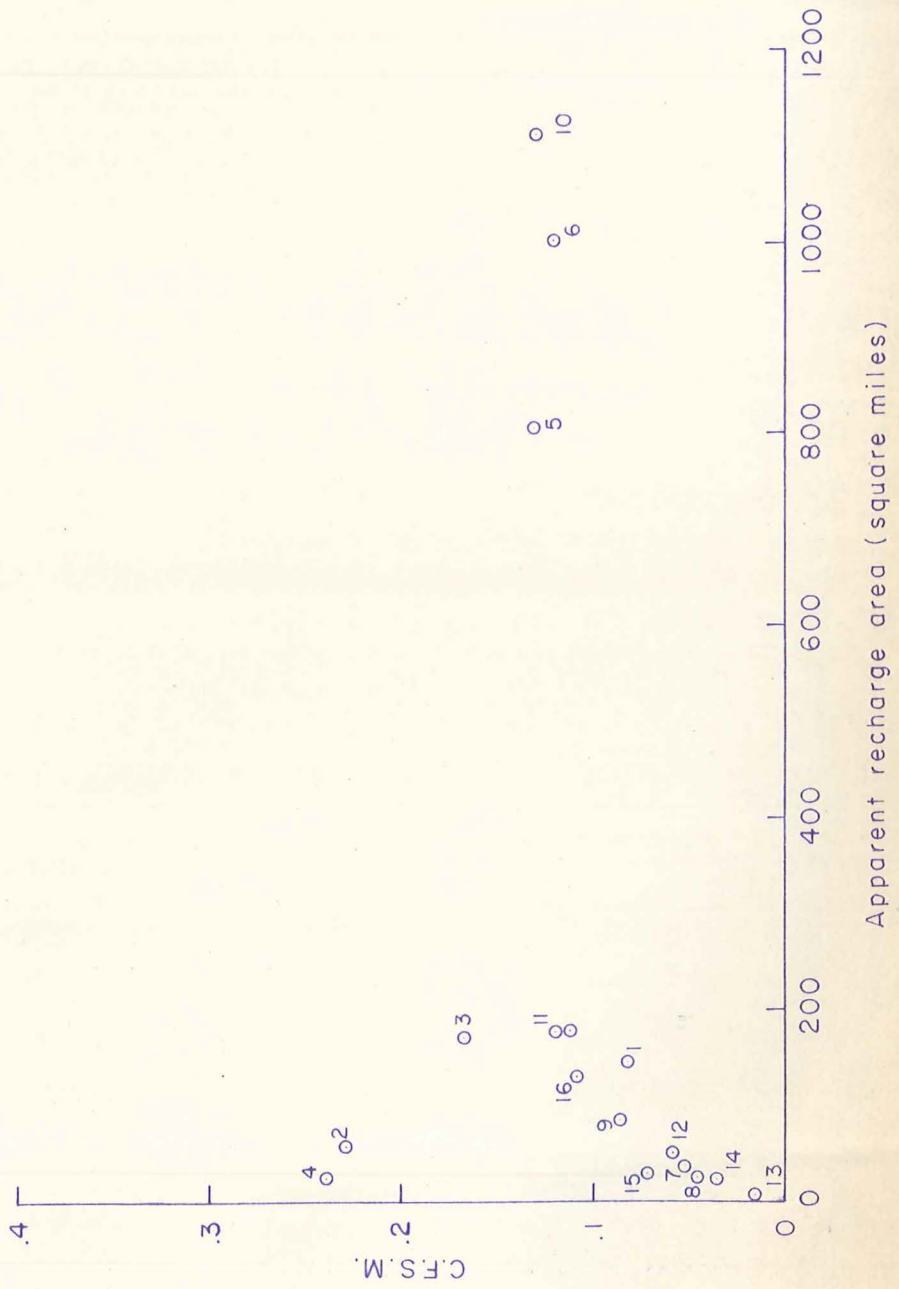


EXPLANATION

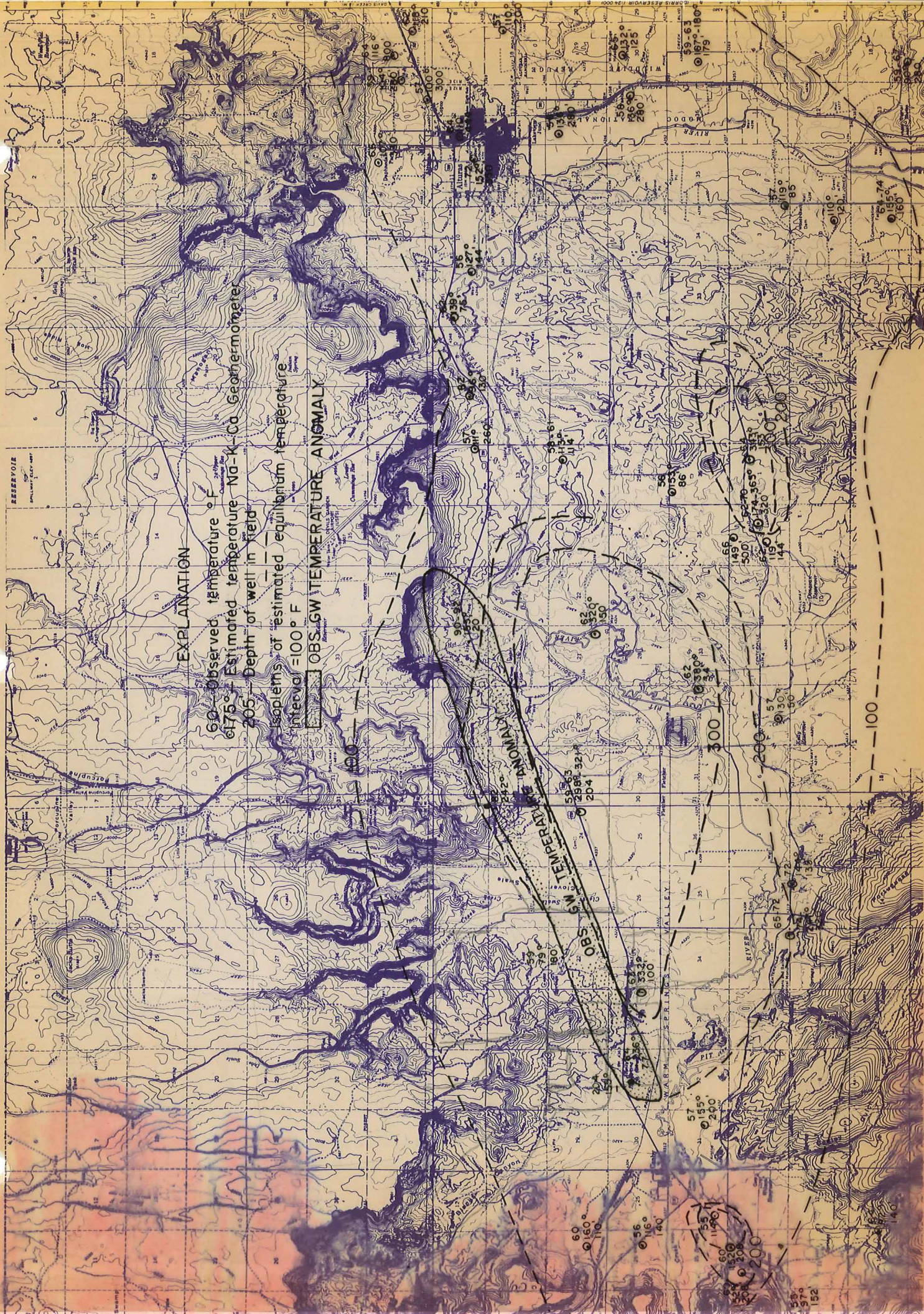
Recharge

Discharge

7. Graph showing relations of apparent recharge area and ground-water discharge of the Kelly Hot Spring area



8. Map of the Kelly Hot Spring area showing water temperatures and Na-K-Ca geothermometer estimated temperatures



EXPLANATION

- 60° Observed temperature °F
- 67.5° Estimated temperature Na-K Co Geothermometer
- 205' Depth of well in field
- Isopleths of estimated equilibrium temperature interval = 100° F

OBS. GW TEMPERATURE ANOMALY

OBS. GW TEMPERATURE ANOMALY

300

200

100

RESERVOIR

RESERVOIR

RESERVOIR

RESERVOIR

RESERVOIR

RESERVOIR

RESERVOIR

RESERVOIR

RESERVOIR

RESERVOIR

RESERVOIR



73-12-2



73-12-4



Kellog H.S. west



Kellog H.S.

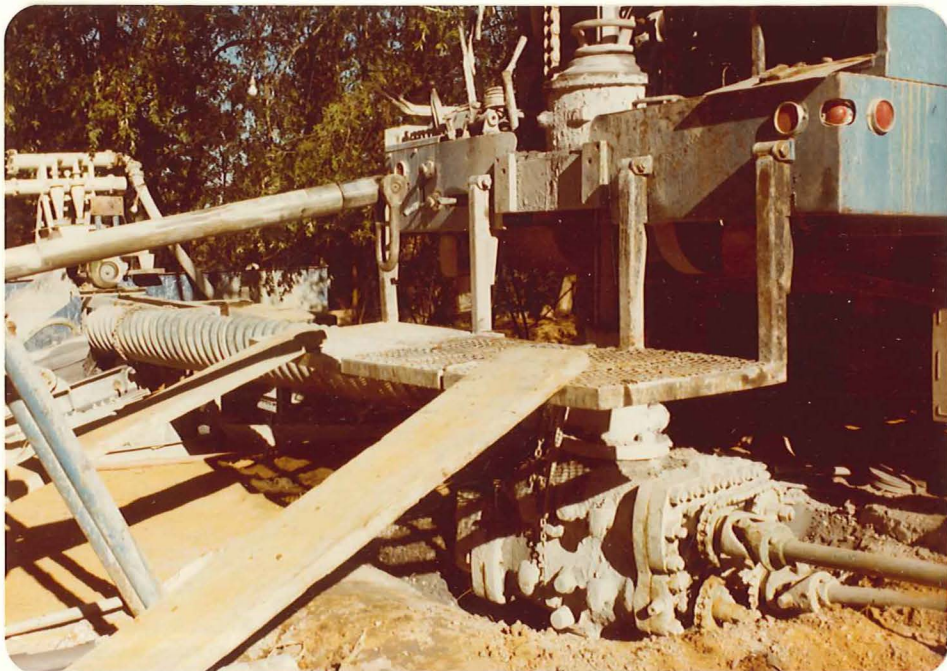
LIVERMORE, CA.
Deep HOLE
heat flow



77-1-5



77-1-6



77-1-7

Livermore, Ca.
Deep hole



77-1-8



77-1-9