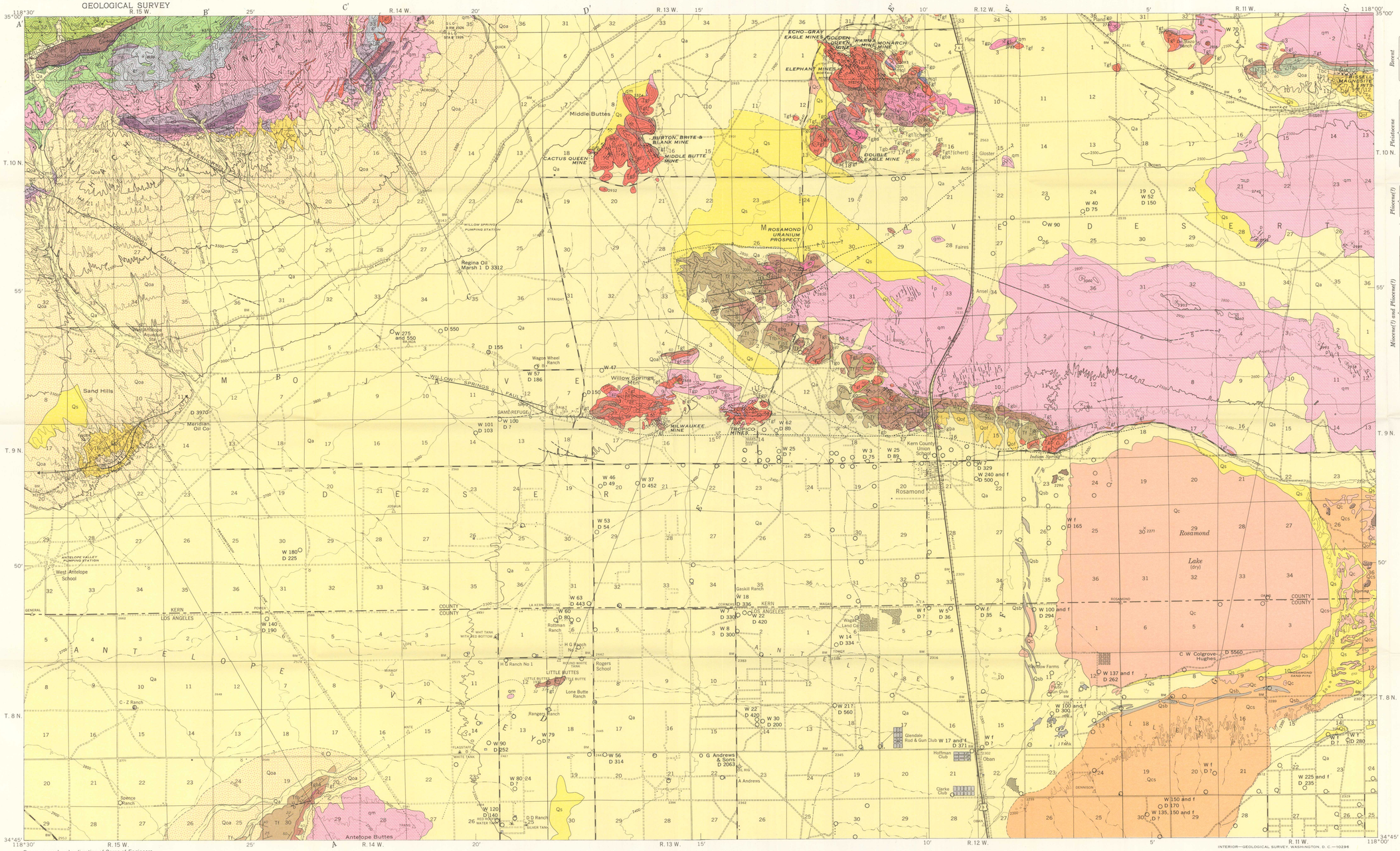


EXPLANATION

SEDIMENTARY, PYROCLASTIC, AND VOLCANIC ROCKS

QUATERNARY

Recent

Qa, Qc, Qcs, Qs, Qsb

Alluvium and other surficial deposits
Qa, *alluvium;* Qc, *playa clay;* Qcs, *playa clay and windblown sand;* Qs, *windblown sand;* Qsb, *bars of wave-deposited sand*

UNCONFORMITY

Pleistocene

Qoa, Qoc, Qos, Qof

Older alluvium
Qoa, *alluvial gravel and sand;* Qoc, *clay and silt;* Qos, *sand;* Qof, *fanglomerate. May include some of unnamed Pliocene(?) formation*

UNCONFORMITY

TERTIARY

Pliocene(?)

Tp

Unnamed formation
Shown in sections only

UNCONFORMITY

Miocene(?) and Pliocene(?)

Tropico group

Tbs, Tbc, Tbl

Bissell formation (Miocene or Pliocene)
Tbs, *sandstone member;* Tbc, *claystone member;* Tbl, *carbonate and shale member*

Tf, Tfb

Fiss fanglomerate (Miocene?)
Includes lenses of felsite breccia, Tfb

Tgba, Tgt, Tgb, Tgp, Tgf, Tgbi, Tgo

Gem Hill formation (Miocene?)
Mainly tuff, tuff-breccia, and tuffaceous sandstone, Tgt; *but includes basalt flows,* Tgba, *dike,* Tgbi, *and Bobtail quartz latite member consisting of following facies: felsite breccia,* Tgb; *felsite and porphyritic felsite,* Tgf; *porphyry,* Tgp; *and perlite (obsidian),* Tgo

UNCONFORMITY

INTRUSIVE ROCKS

JURASSIC OR CRETACEOUS

Quartz vein

Quartz monzonite pegmatite and aplite dikes

gr

Granite and granite pegmatite and aplite

qm

Quartz monzonite

qd

Quartz diorite

hd

Hornblende diorite

hqd

Hornblende-quartz diorite

METAMORPHIC ROCKS

PALEOZOIC(?)

mql

Metaquartz latite

ml, ms, mq, mb

Bean Canyon formation
ml, *limestone and marble;* ms, *schist;* mq, *quartzite;* mb, *metabasalt*

PRE-CAMBRIAN(?)

ps

Pelona schist

Contact, showing dip
Dashed where indefinite or gradational; dotted where concealed, queried where position indefinite

Fault, showing dip
Dashed where uncertain; dotted where concealed; queried where existence is doubtful. Arrows indicate relative movement. U, *upthrown side;* D, *downthrown side. In sections,* T *indicates toward observer;* A, *away from observer*

Anticline
Showing trace of axial plane and direction of plunge

Vein containing ore deposit
Arrow shows direction of dip

Approximate position of high shoreline of Lake Thompson at end of Pleistocene epoch
Queried (?) where shoreline is indistinct

Strike and dip of beds

Strike of vertical beds

Strike and dip of overturned beds

Strike and dip of foliation

Strike of vertical foliation

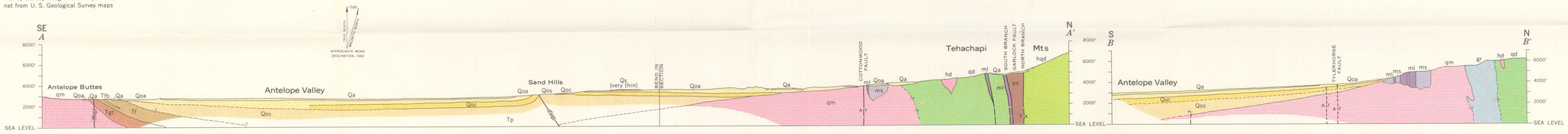
Strike and dip of flow laminae and fracture parting

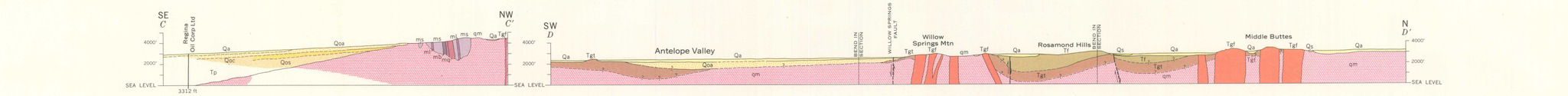
Mine

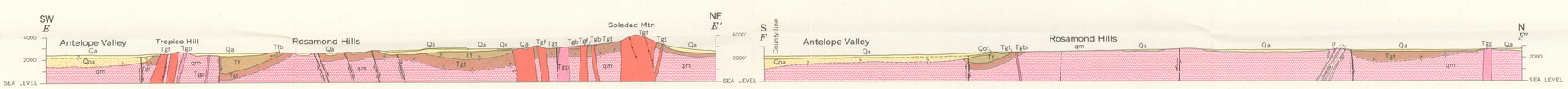
Quarry or pit

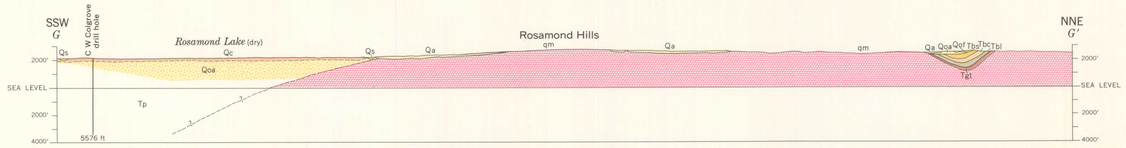
W 100 and f
D 294
Water well
W, *water level, in feet from surface;* D, *depth of well, in feet;* f, *indicates well flowed*

D 2063
Test hole drilled for oil or gas
D, *depth of hole, in feet*









GEOLOGIC MAP AND SECTIONS OF THE WILLOW SPRINGS AND ROSAMOND QUADRANGLES, CALIFORNIA

SCALE 1:62 500

1 ½ 0 1 2 3 MILES

CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL