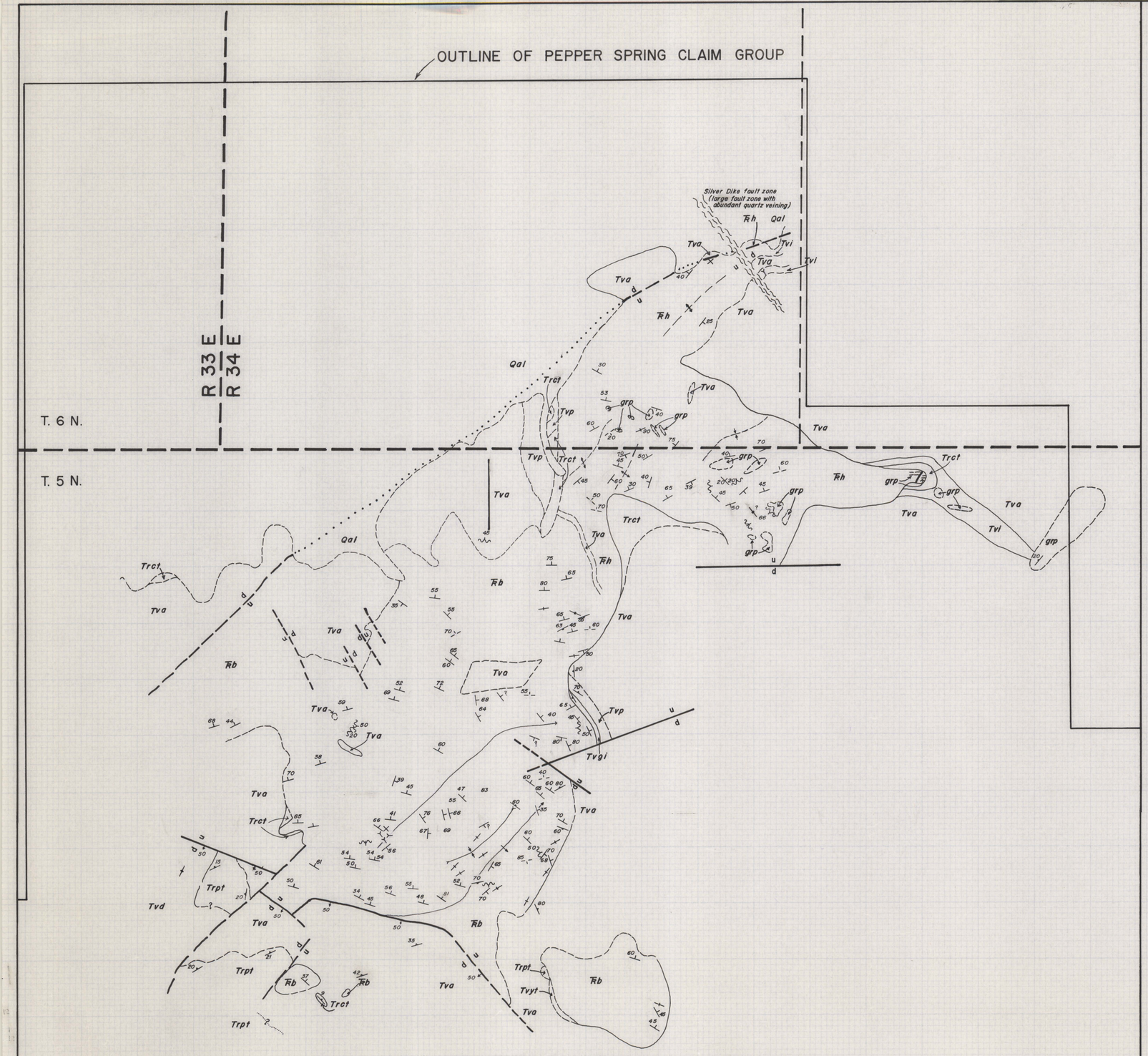

CENOZOIC

QUATERNARY

Qal — QUATERNARY ALLUVIAL MATERIAL

TERTIARY

Tvd — VOLCANIC DACITIC FLOWS. DACITIC FLOWS WITH SOME POSSIBLE FLOW FOLIATIONS. LIGHT GREY, GLASSY WITH PHENOCRYSTS OF PLAGIOCLASE AND HORNBLENDE.

Tvyt — VOLCANIC YELLOW TUFF. A MEDIUM-COARSE GRAINED YELLOW-BROWN TUFF. CONTAINS QUARTZ, PUMICE FRAGMENTS, FELDSPARS, AND SMALL ROCK FRAGMENTS. POSSIBLY WEATHERED EQUIVALENT OF *Trpt*.

Trpt — RHYOLITIC PUMICEOUS TUFF. WHITE TO PINK FLOW BANDED TUFF. CONTAINS QUARTZ, COMPRESSED PUMICE, AND VESICLES.

Tva — VOLCANIC ANDESITE FLOWS. ASSORTMENT OF GREY-GREY GREEN ANDESITIC FLOWS. MOST HAVE APHANITIC-GLASS MATRIX WITH PYROXENE, HORNBLENDE & PLAGIOCLASE PHENOCRYSTS.

Tvp — VOLCANICS PURPLE TUFF. A HIGHLY FLOW BANDED PURPLE TUFF. CONTAINS NO QUARTZ. PUMICE FRAGMENTS ARE PRESENT.

Tvgi — VOLCANIC GREEN IGNIMBRITE. A GREEN, FLOW BANDED TUFF OR IGNIMBRITE. CONTAINS VERY DISTINCT DARK GREEN, PANCAKE LIKE LENSES OF CELADONITE(?).

Tvi — VOLCANIC IGNIMBRITE. A LIGHT GREEN-GREENISH BEIGE TUFF OR IGNIMBRITE. EVERYWHERE SEEN THIS UNIT CARRIED DISTINCT SMALL PATCHES OF CELADONITE.

Trct — RHYOLITIC CRYSTAL TUFF. A WHITE, WELDED RHYOLITIC TUFF WITH MODERATE PHENOCRYSTS OF QUARTZ AND FELDSPAR. THIS IS A PATCHY, DISCONTINUOUS UNIT AND IS USUALLY Fe STAINED. THIS UNIT IS REPORTED TO BE WIDESPREAD AT THE BASE OF THE TERTIARY.

MESOZOIC

?

grp — GRANITE-RHYOLITE PORPHYRY. A BUFF-PINK, RHYOLITE PORPHYRY DIKE ROCK AND AN EQUIGRANULAR, FINE-MEDIUM GRAINED GRANITIC DIKE ROCK. THE FELDSPARS ARE ARGILLICALLY ALTERED IN THE RHYOLITE PORPHYRY.

TRIASSIC

Trb — TRIASSIC BRECCIA. A GREYISH GREEN-LIGHT GREEN BRECCIA AND/OR CONGLOMERATE. THE CLASTS ARE CHERT (≈ 40%), VOLCANICS (≈ 50%), AND GARNET (≈ 10%) - THEY ARE ANGULAR TO WELL ROUNDED. THIS UNIT CARRIES DISSEMINATED GARNET IN MOST PLACES. THE SIZE RANGE OF THE CLASTS IS A FEW mm UP TO 6-8 cm.

Trh — TRIASSIC HORNFELS. A DARK GREY GREEN, FINE GRAINED HORNFELSIC ROCK. THIN SECTION WORK INDICATES A DEVITRIFIED, SILICIFIED TUFF. THIS UNIT IS LOCALLY BLEACHED TO A LIGHT GREENISH GREY.

- ATTITUDE OF VERTICAL JOINTS
- ATTITUDE OF VERTICAL BEDS
- QUESTIONABLE STRIKE AND DIP
- ATTITUDE OF SHEAR
- STRIKE AND DIP OF BEDDING
- STRIKE AND DIP OF JOINTING
- STRIKE AND DIP OF FOLIATION
- CONTACT
- INFERRED CONTACT
- INFERRED FAULT
- INFERRED FAULT UNDER COVER
- FAULT WITH PLUNGE
- FAULT ZONE
- PROSPECT
- ADIT
- ANTICLINE
- SYNCLINE
- INFERRED ANTICLINE
- INFERRED SYNCLINE

GEOLOGIC MAP

PEPPER SPRING PROSPECT

MINERAL COUNTY, NEVADA

SCALE: 1" = 500'

CONTINENTAL OIL COMPANY
MINERALS-METALLICS
RENO OFFICE

Pepper Spring
Conoco - Excelsior area

208

Item 84

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