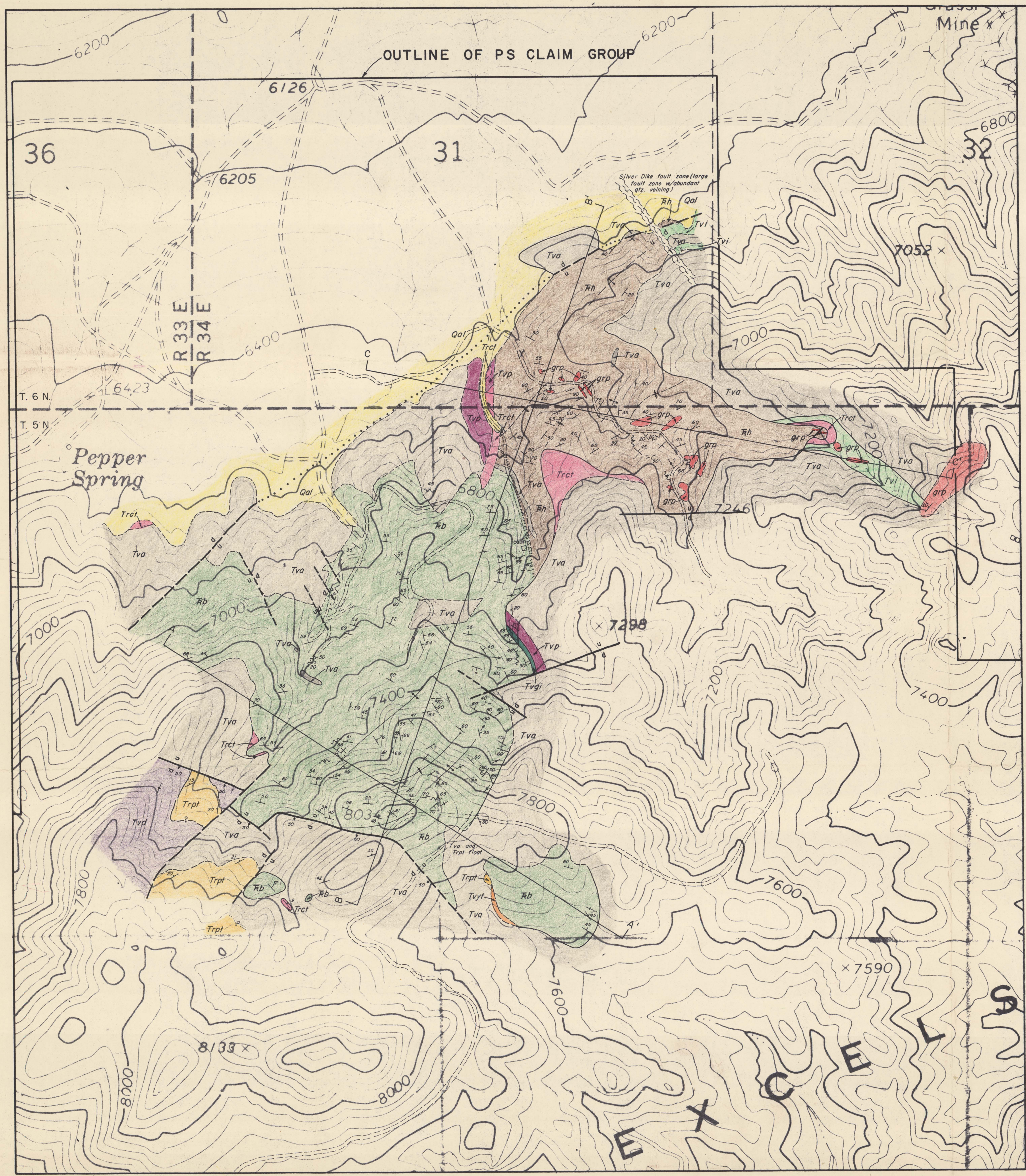

EXPLANATION

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 MED.-COARSE GRAINED YELLOW-BROWN TUFF. CONTAINS QTZ., PUMICE FRAGMENTS, FELDSPARS AND SMALL ROCK FRAGMENTS. POSSIBLY WEATHERED EQUIVALENT OF Trpt.
- **Trpt** RHYOLITIC PUMICEOUS TUFF. WHITE TO PINK FLOW BANDED TUFF. CONTAINS QTZ., COMPRESSED PUMICE AND VESICLES.
- **Tva** VOLCANIC ANDESITE FLOWS. ASSORTMENT OF GREY-GREY GREEN ANDESITIC FLOWS. MOST HAVE APHANITIC-GLASS MATRIX WITH PYROXENE, HORNBLENDE & PLAGIOCLASE PHENO'S.
- **Tvp** VOLCANICS PURPLE TUFF. A HIGHLY FLOW BANDED PURPLE TUFF. CONTAINS NO QTZ. 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 QTZ. 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.

?

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

MESOZOIC

TRIASSIC

- **Ћb** 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. SIZE RANGE OF CLASTS IS A FEW mm UP TO 6-8 cm.
- **Ћh** 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
50 QUESTIONABLE STRIKE AND DIP
20 ATTITUDE OF SHEAR
65 STRIKE AND DIP OF BEDDING
55 STRIKE AND DIP OF JOINTING
15 STRIKE AND DIP OF FOLIATION
GRADATIONAL CONTACT
CONTACT
INFERRED CONTACT

INFERRED FAULT
INFERRED FAULT UNDER COVER
50 FAULT WITH PLUNGE
FAULT ZONE
PROSPECT
ADIT
ANTICLINE
SYNCLINE
INFERRED ANTICLINE
INFERRED SYNCLINE

GEOLOGIC MAP

PEPPER SPRING PROSPECT

MINERAL COUNTY, NEVADA
SCALE: 1"=500'

CONTOUR INTERVAL = 40 FEET

CONTINENTAL OIL COMPANY
MINERALS-METALLICS
RENO OFFICE

Conoco
Pepper Spring Project
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Item 20