EXPLANATION

DESCRIPTION OF ROCK UNITS

Qal	Quaternary alluvium.
Tvt	Tertiary vesicular tuff - grey to white porphyritic rhyolite vesicular tuff.
Ta	Tertiary andesite - grey to black fine grained equigranular andesite.
Trp	Tertiary rhyolite porphyry - white to grey rhyolite porphyry flow with fine grained groundmass and 15% quartz and feldspar phenocrysts.
Tvg	Tertiary volcanic agglomerate - brown to grey to red volcaniclastic agglomerate with fragments up to 4" in size.
Trt	Tertiary rhyolite tuff - grey to red rhyolite tuff with less than 10% quartz and feldspar phenocrysts and up to 20% fragments.
Thp	Tertiary hornblende porphyry - grey to black andesite porphyry with hornblende phenocrysts up to 1 cm in size.
Tat	Tertiary andesite tuff - black andesite tuff with small phenocrysts of pyroxene and feldspar in fine grained groundmass.
Trbx	Tertiary rhyolite breccia - white rhyolite breccia with mainly andesitic volcanic fragments and 10% quartz and feldspar phenocrysts.
Tap	Tertiary andesite porphyry - black andesite porphyry with 10% feldspar phenocrysts.
Kb	Cretaceous Bisbee Formation - medium grained white to green sandstone.

DESCRIPTION OF MAP SYMBOLS

- Contact (dashed where inferred)
- Quartz - calcite vein showing dip
- Fault showing dip and/or displacement
- Tvg — Outcrop
- Trp — Outcrop with pervasive quartz veining graphically showing density
- Brecciation
- Joints with dip
- Strike & dip of bedding or flow banding
- PP1 — Diamond drill hole
- Adit with dump
- Shaft
- Prospect
- Trench
- Cave line - Commonwealth pit & glory hole
- PB1-12 — Sample location & number

T. 18 S. — R. 25 E.

NOTE: INFORMATION ON THIS SHEET IS FROM AN UNCONTROLLED AERIAL PHOTOGRAPH. LOCATION APPROXIMATE.

GEOLOGY BY: S.R. MARKUSEN & A. DHA	DATE: MARCH 1981	DRAFTING: J. DOWNS

REVISIONS

NO.	DATE	BY	REMARKS

SCALE: 1" = ~~500'~~ 500' FILE:

GEOLOGIC MAP AND SECTION OF PEARCE PROJECT

COCHISE COUNTY, ARIZONA

FOR

EXCEL-MINERAL CO.

BY

E. GROVER HEINRICHS & ASSOCIATES

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