EXPLANATION OF MAP SYMBOLS

A A' — Location of geologic cross section.

Geologic contact. Solid where exposed or known, dashed where approximately known, dotted where concealed or inferred.

45 — Normal fault, showing dip and dip direction of the fault plane; ball-and-bar on downthrown side. Solid where exposed, dashed where approximately known.

Trace of monoclinal folds associated with domal structures.

Pliocene-age dikes, occasionally radiating out from a diatreme.

82 — Strike and dip of inclined joints.

Vertical joints.

4 — Strike and dip of bedding.

30 — Inclined flow foliation or layering, showing dip in igneous rocks.

Volcanic vent.

Arrows show directions of down slope movement within a landslide or slump block deposit.

Arrows show directions of down slope flow paths of lava.

Cold spring.

R-8 — Uranium-test well.

State 36-1 — Oil exploration well.

2.01 — Location of Ar^{40}/Ar^{39} radiometic sample date and age (Ma).

c — Coal outcrop.

Area of high Iron concentration.

Area of high Iron and Manganese concentration.