A reddish zeolite, which is almost certainly heu forms druses on some of the joint planes, and occurs veinlets in some of the tuffs.

Trachytes-Ægirite-augite trachyte.

This specimen was taken from a boulder about the in diameter, which was not found in place. Other resimilar appearance are of frequent occurrence in the voso it may be that the trachyte occurs as a flow in this partistrict. However, microscopic study shows the specimens that were collected to be pyroclastics, but of strikingly similar appearance to this primary type that the not distinguished as secondary in the field. There is doubt that a magma of this nature furnished material to a considerable position of the volcanics.

The hand specimen (field number 35), shows deep rectangular, and quadratic phenocrysts of feldspar up to a long, averaging about half an inch, forming about 20 per the rock, somewhat irregularly distributed in a green finely crystalline groundmass which is speckled with black phenocrysts of pyroxene up to 2 or 3 mm. long.

In thin section the feldspar phenocrysts resemble clase, except that inclined extinctions on 010 up to 14 degree been observed. This, in connexion with the absence of tw and the low index of refraction, indicates that the min soda orthoclase. They are slightly altered, and show k zation in cloudy reticulate bands, often obscuring most section

The phenocrysts of pyroxene are idiomorphic or to pointed individuals from 0.3 mm. to 1.0 mm. long, showing binations of the prism and pinacoids in cross section. extinction angles of $C \land c=74$ degrees, the grass green context and the green to yellow pleochroism determine the mine againtte-augite. Zonal banding is occasionally seen, the configuration of some crystals giving a higher extinction than the Twinning parallel to the elongation has been noted mineral is remarkably fresh, and the outlines are sharp.