

STOP 9—WELSH HILL

Mount Scott and Medicine Park(?) Granites. S½ sec. 13, N½ sec. 24, T. 3 N., R. 12 W., Comanche County, Oklahoma. **M. C. Gilbert.**

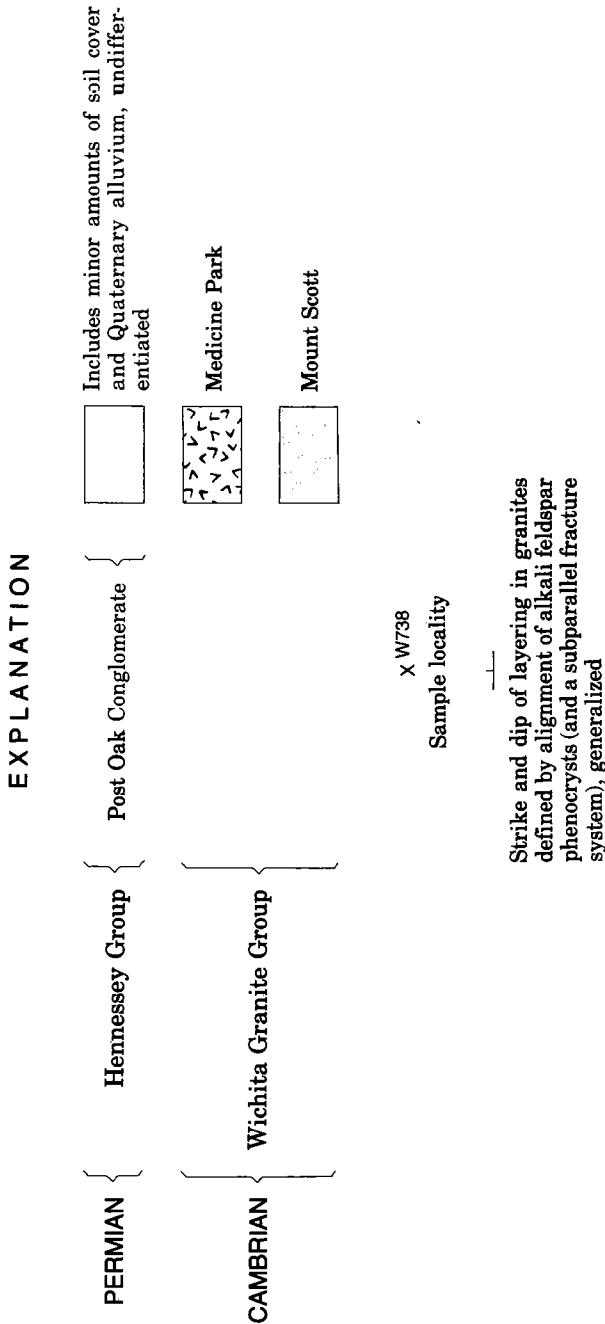
Introduction

This stop is on private land, and permission must be secured to enter. Here, Mount Scott Granite lies in contact with distinctly porphyritic rock that has a finely crystalline, granophyric groundmass (fig. 150). Schoonover (1948) mapped it as rhyolite, but we show it as belonging to the Medicine Park granite (table 5; fig. 150). This is not a certain correlation,

because Permian plains cover possible outcrops between here and the type area farther west. Nevertheless, the granite has interesting textural features, warranting its inclusion in this guidebook.

Mount Scott Granite

The outcrops on Welsh Hill are the most easterly exposures of the Mount Scott Granite and the Wichita Granite Group. The road cut made by State Highway 49 provided granite sample W-738, the bulk chemistry of which has been determined (tables 42, 43). The rock is similar in most respects, petrographi-



Geology by M. C. Gilbert, after Schoonover (1948) and R. E. Denison (unpublished written communication, 1977)
Base from U.S. Geological Survey, Fort Sill, 1:24,000, 1956
Photorevisions as of 1970 and 1975