

of this survey, Dupont Peak bears S.15°24'E., and from Cor. No. 1, Sur. No. 4070, Crystal lode, said peak bears S.35°22'E.

The N. W. Cor. Sec. 30, T. 27 S., R. 65 E., M.D.M., is a granite rock 7x10x15 ins., chiseled 2 notches S. and 4 notches N. It was found in the top of an old location monument, and had evidently been moved, although it could not have been moved far, as it is almost on the extreme top of a steep hill. To locate this corner, I retraced 10 miles of section lines, by stadia, as follows; Beginning at N. W. Cor. Sec. 36, T. 26 S., R. 65 E., M.D.M., thence south one mile; thence west three miles; thence south four miles; thence west two miles to corner as described. From the time I left the north boundary of T. 27 S., R. 65 E., I failed to find a single corner other than the one to which connection is given. After finding this corner, I made a further search for two miles from it in each cardinal direction, for other corners from which its position might be checked, but without result. I have, therefore, retraced more than 16 miles of the lines of the public survey in an effort to locate and identify this corner, and check its position. In all of this work, and in previous unofficial work in the northeastern portion of this township, I have been wholly unable to find other section corners; and, furthermore, I have found that the topography of this township does not agree even in the most general way with that shown upon the plat of the public land survey. This also applies to Secs. 12, 13, 24 and 25, T. 27 S., R. 64 E. Large washes and gulches shown upon these plats have no existence whatever in fact, while existing washes that are equally as large, or larger, are not shown at all, or are shown from  $\frac{1}{2}$  to  $1\frac{1}{2}$  miles out of their true position.

In view of these conditions, I have given ties to Dupont Peak, in addition to the connections to the section corner as described. Dupont Peak is a black, coneshaped peak, rising abruptly several hundred feet above the surrounding country, and is a well known land mark throughout this section. It has been extensively tunneled by one Geo. Dupont, and differs in this respect from all other similar peaks (of which there are very few) in the entire township.

The discrepancies between these field notes and the various amended certificates of location are due to errors in the latter. In particular, the ties to said Dupont Peak, as given in the amended certificates of location, are in error, said errors probably being due either to the use of a very short base line or a very acute