

# ESTABLISHMENT OF $\frac{1}{4}$ SEC. COR. BET. CLOSING COR. ON THE NEVADA-ARIZONA STATE LINE

Chains

S10 | ARIZ

1933

raise a mound of stone, 2 ft. high, 2 ft. base, W. of the cor.

Establishment of the  $\frac{1}{4}$  sec. cor. of sec. 3.

At a point 25.42 chs. S.  $0^{\circ}58'$  E. of the 330th Mile Cor. and 40 chs. in latitude W. of the closing cor. of secs. 3 and 10,

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to solid rock and in a mound of stone for the  $\frac{1}{4}$  sec. cor., sec. 3 only, with brass cap mkd.

S3 | ARIZ

1933

raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.

## GENERAL DESCRIPTION

The fractional township is located on a narrow and rugged range of mountains, the crest of which is in the eastern part of the township and has a trend of about N.  $10^{\circ}$  W. About four square miles in the SW. corner and a few small areas along the east boundary are lowlands or foothill slopes, otherwise the township is entirely mountainous. The east boundary roughly coincides with the east base of the range where the change from lowlands plane to mountains is rather abrupt; on the west side of the range the change is not so abrupt, however, and the west boundary on lowland at the southern end gradually passes onto higher land toward the north. The average elevation along the base of the mountains is about 3,500 feet. On the southern half the relief is about 1,000 - 2,000 feet, but in the northern portion it becomes 4,000-4,500 feet. As a rule the crest of the range is very narrow. The east slope breaks off abruptly and is steeper than the west slope due to the westerly dip of the beds. The drainage on the east side is easterly into the lowlands and eventually in a southerly direction to the Colorado River. On the west side the drainage is westerly and southerly in some of the draws and canyons developed along the strike of the beds, which is north and south. Eventually the drainage is west into the Virgin River.

The geology of the township is thus: The bulk of the range consists of massive limestone, with a minor amount of sandstone and shale, that strikes, in general, north and south and dips to the west at about  $20^{\circ}$  over most of the area except at the southern end where the strike is more east and west and the dip south. The lowlands consist of younger rock than the limestone; a red sandstone. In two places the limestone has been intruded by igneous rock. In the southern three miles of the township, on the main range, is a stock of granitic composition. The stock has not been deeply eroded