

102

## Dependent Resurvey of T. 20 S., R. 60 E., M.D.M., Nevada

to single minutes; the vertical circles have a diameter of 4 inches, with one double vernier reading to single minutes. The instruments were in good condition and were placed in satisfactory adjustment prior to the beginning of the survey.

The directions of the lines were determined from a U. S. Coast and Geodetic triangulation station named "PIT" with a published azimuth of  $269^{\circ} 30' 54.7''$  to the standard  $\frac{1}{4}$  sec. cor. on the south boundary of sec. 31, T. 20 S., R. 61 E., M.D.M., and about one-half mile easterly from the triangulation station monument. From the triangulation station, the standard corner of Ts. 20 S., Rs. 60 and 61 E., bears N.  $85^{\circ} 19' 54.7''$  E., 8.60 chs. distant. The lines were carried by sustained angulation along the Fifth Standard Parallel and into the various section lines.

Measurements were made with Lallie and Lufkin steel tapes, each five chains in length, graduated every link for the first 100 links, and thereafter at intervals of 10 links. The tapes were tested by comparison with a standard tape and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents only are entered in this field note record.

The geographic position of the standard corner of Ts. 20 S., Rs. 60 and 61 E., as calculated from the U.S.C. and G.S. triangulation station "PIT", is as follows: Latitude  $36^{\circ} 09' 32.787''$  N., and longitude  $115^{\circ} 12' 17.795''$  W. The published geographic position of "PIT" is as follows: latitude  $36^{\circ} 09' 32.341''$  N., and longitude  $115^{\circ} 12' 24.693''$  W. The standard cor. of Ts. 20 S., Rs. 60 and 61 E., bears N.  $85^{\circ} 19' 54.7''$  E., 8.60 chs. from the triangulation station.

The solar attachments of the instruments were not used to determine the directions of the lines in this township, therefore no orientation tests were made on the meridian.

The mean observed magnetic declination is  $15^{\circ} 45'$  E.

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Dependent Resurvey, East Boundary, T. 20 S., R. 60 E.

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From the standard cor. of Ts. 20 S., Rs. 60 and 61 E.  
N.  $1^{\circ} 09'$  W., bet. secs. 31 and 36. (S. half mile).

Over gently rolling desert land..