

## Township 14 South, Range 47 East

Chains

The boundaries only of T. 14 S., R. 47 E. were surveyed by Deputy Surveyor M. D. Heist in 1906 and were based on the Third Standard Parallel South.

The following field notes are those of an independent resurvey of the south, west, east, and a portion of the north boundaries of T. 14 S., R. 47 E., superseding the survey made by M. D. Heist in 1906.

The resurvey was initiated on the official request of the State Supervisor for Nevada, Bureau of Land Management, to provide identification of the boundaries of the public lands to facilitate administration under appropriate public land law.

Two independent sets of measurements were made on the exterior boundaries, and in order to simplify the record the true line notes only are supplied herewith which refer to the completed survey or resurvey.

The resurvey was executed with a W. and L. E. Gurley solar transit, serial No. 49657, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition and was placed in satisfactory adjustment prior to the beginning of the survey. The directions of the lines were determined by sustained angulation carried forward from numerous altitude observations on the sun taken at the beginning and throughout the course of the survey.

The measurements were made with a standard steel tape, 5 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a standard steel 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 SE. cor. of the township, as scaled from the Nevada State map furnished with the special instructions, is determined to be latitude  $36^{\circ} 41' 02''$  N., and longitude  $116^{\circ} 36' 48''$  W. The mean magnetic declination was determined to be  $16^{\circ}$  East.

## Independent Resurvey of the South Bdy., T. 14 S., R. 47 E:

Note: Diligent search was made to locate the original corners of the 1906 survey of the south bdy. of T. 14 S., R. 47 E., but this search did not locate any of the original corners. The U. S. Geological Survey Sheet "Big Dune Quadrangle" indicates a number of original corners of the 1906 survey of the south bdy. of T. 14 S., R. 47 E. have been found, and it may be that further search may recover some of these corners.

From the corner of Ts. 14 and 15 S., Rs. 47 and 48 E., which is marked by an iron post,  $2\frac{1}{2}$  ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of the west bdy. of Ts. 15 S., Rs. 47 and 48 E., executed concurrently under this same group.

West, on true line, between secs. 1 and 36. Across Armargosa Desert.

Over nearly level land, through scattered undergrowth.

31.40

Graded road, Beatty, Nevada, to Death Valley Junction, bears NNW. and SSE.