

CHAINS

T. 32 S., R. 5 W.

The history of surveys of the portion of township 32 south, range 5 west, Willamette Meridian, Oregon, covered by this resurvey, is as follows:

The north boundary and a portion of the subdivisonal lines were surveyed by Wells Lake and George W. Hyde in 1855. Oscar F. Thiel surveyed a portion of the subdivisonal lines in 1901.

The resurvey was made at the request of the Medford District Manager, for administrative purposes of the Bureau of Land Management.

Preliminary to the resurvey the lines of the original survey are retraced and search is made for all corners and other calls of the record. Identified corners are remonumented in their original positions, lost corners are reestablished and remonumented at proportionate positions, based on the original record. The retracement data are thoroughly verified and only the true line field notes are given herein. Only the lines bounding Federal lands are blazed.

The resurvey was executed with solar transits made by W. & L. E. Gurley Co., serial numbers 461268 and 580523, constructed in accordance with standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in satisfactory adjustment prior to beginning the survey. The instruments were also tested and checked frequently during the course of the survey. Measurements were made on the slope with Lufkin steel tapes, 5 chains (330 feet) in length, graduated every link for the first 100 links, and the balance at ten link intervals. The tapes were tested by comparison with a standard steel tape, 1 chain in length, and found to be correct. The vertical angle of each measurement was ascertained by the use of a clinometer, or the transit, when necessary. Only the horizontal equivalents of the measurements made are entered in the field note record. All lines not forming a closure were double chained to verify the distance.

The directions of the lines were determined by direct solar observations.

The geographic position of the southeast corner of section 29, as scaled from the Canyonville Quadrangle map, prepared by the Geological Survey in 1954, is as follows:

Latitude $42^{\circ} 45.2' N.$ Longitude $123^{\circ} 18.4' W.$

The mean magnetic declination is $20^{\circ} E.$

Dependent Resurvey, Portion of the S. Bdy.,
T. 31 S., R. 5 W., Willamette Meridian, Oregon
(Restoring a portion of the 1855 survey
by Wells Lake and George W. Hyde.)

The cor. of secs. 4, 5, 32 and 33, on the S. Bdy. of
T. 31 S., R. 5 W., determined from two original bearing
trees;

A fir, 22 ins. diam., bears S. $39^{\circ} W.$, 98 lks.
dist., mkd. T32S R5W S5 BT.