

T. 24 S., R. 1 W.

CHAINS

The history of surveys of township 24 south, range 1 west, Willamette Meridian, Oregon, in the portion of the township covered by the resurvey, is as follows:

The township was subdivided by Winfield S. Chapman and Carl S. Nicklin, in 1896.

The resurvey was made at the request of the Eugene 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 remounted in their original positions. The retracement data are thoroughly verified and only true line field notes are given herein. Only lines bounding public lands are blazed.

The survey was executed with a transit made by Buff and Buff Co., serial No. 23826, constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in satisfactory adjustment prior to beginning the survey. Measurements were made on the slope with a Dietzgen steel tape, 2 chains (132 ft.) in length, graduated every link throughout the entire length. The vertical angle of each measurement was ascertained by the use of two clinometers in good adjustment. Plumb bobs were used on both ends of the tape. Only the horizontal equivalents of the measurements made are entered in the field note record. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. All lines were chained twice.

The directions of lines were determined by deflections from azimuths obtained by direct solar observations.

The geographic position of the southeast corner of section 5, as scaled from the Culp Creek, Oregon, Quadrangle map, published by the United States Geological Survey, in 1955, is as follows:

Latitude $43^{\circ} 30.5' N.$ Longitude $122^{\circ} 49.1' W.$

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

Dependent Resurvey of a Portion of the
Subdivisional Lines, T. 24 S., R. 1 W.,
Willamette Meridian, Oregon

(Restoring the 1896 survey by Winfield S. Chapman and Carl S. Nicklin)

From the cor. of secs. 4, 5, 8, and 9, determined at record bearing and distance from the original bearing trees:

A fir, 30 ins. diam., bears $N. 60^{\circ} E.$, 68 lks. dist., with healed blaze.

A fir, 25 ins. diam., bears $S. 56\frac{1}{2}^{\circ} E.$, 93 lks. dist., with scribe marks T. 24 S., R. 1 W., S. 9 BT visible on partially healed blaze.