

## County Surveyor's Record, Douglas County, Oregon

T. 23 S., R. 4 W.

CHAINS

The history of surveys of township 23 south, range 4 west, Willamette Meridian, Oregon, pertaining to the following resurvey and corner monumentation, is as follows:

The north and west boundaries of the township were surveyed by James Freeman, in 1851. A portion of the subdivisional lines were surveyed by Harvey Gordon and Charles T. Gardner, in 1855.

The resurvey and remonumentations were made at the request of the Roseburg District Manager for administrative purposes of the Bureau of Land Management.

Preliminary to the resurvey the line of the original survey is retraced and search is made for all corners and other calls of the record. Identified corners are remonumented in their original positions, the lost  $\frac{1}{4}$  section corner is reestablished and remonumented at a proportionate position based on the official record. The retracement data are thoroughly verified and only the true line field notes are given herein. Only the lines bounding public lands are blazed. The line of this resurvey was chained twice.

The resurvey was executed with a solar transit made by the W. and L. E. Gurley Company, serial number 580525, constructed in accordance with standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in satisfactory adjustment prior to beginning the resurvey. The instrument was tested and checked frequently during the course of the resurvey. Measurements were made on the slope with a Lufkin steel tape, 5 chains (330 feet) in length, graduated every link for the first 100 links and the balance at intervals of 10 links. The tape was tested by comparison with a standard steel tape, one chain in length, and found correct. The vertical angle of each measurement made was ascertained by the use of two clinometers in good adjustment when necessary. Only the horizontal equivalents of the measurements made are entered in the field note record.

The direction of the line was determined by the solar transit method.

The geographic position of the corner of sections 3, 4, 9, and 10, as scaled from the Anlauf, Oregon quadrangle map, published by the United States Geological Survey, in 1954, is as follows:

Latitude  $43^{\circ} 35.5' N.$  Longitude  $123^{\circ} 09.9' W.$

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

Dependent Resurvey of the Line Between Sections 3 and 4, T. 23 S., R. 4 W., Willamette Meridian, Oregon (Restoring the 1851 survey by James Freeman and the 1855 survey by Harvey Gordon and Charles T. Gardner)

From the cor. of secs. 3, 4, 9 and 10, determined at record distance from the remaining original bearing trees:

A fir, 40 ins. diam., fallen to the southeast, bears N.  $37\frac{1}{2}^{\circ} E.$  27 lks. dist., mkd. with