

County Surveyor's Record, Douglas County, Oregon

T. 25 S., R. 5 W.

CHAINS

The history of surveys in that portion of township 25 south, range 5 west, Willamette Meridian, Oregon, covered by this resurvey is as follows:

The south boundary and most of the subdivisional lines were surveyed by Robert Elder and Henry S. Gile, in 1853. The remainder of the subdivisional lines, including section 35, were surveyed by William H. Byars, in 1871.

The resurvey was made at the request of the Roseburg 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.

The survey was executed with solar transits made by the W. and L. E. Gurley Company, serial numbers 49635 and 580525, 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 intervals of 10 links. The vertical angle of each measurement was ascertained by the use of two clinometers in good adjustment. The tapes were tested by comparison with a standard steel tape, 1 chain in length, and found correct. Only the horizontal equivalents of the measurements made are entered in the field note record. Only those lines bounding public lands are blazed.

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

The geographic position of the southeast corner of section 35, as scaled from the Glide, Oregon, quadrangle map, published by the United States Geological Survey, in 1954, is as follows:

Latitude $43^{\circ} 20.7'$ N. Longitude $123^{\circ} 14.7'$ W.

The mean magnetic declination is $20^{\circ} 15'$ E.

Dependent Resurvey of a Portion of the S. Bdy.,
T. 25 S., R. 5 W., Willamette Meridian, Oregon

(Restoring the 1853 survey by
Robert Elder and Henry S. Gile)

From the $\frac{1}{4}$ sec. cor. of secs. 2 and 35, on the S. bdy. of the Tp., perpetuated by G. Robert Lecklider, Registered Land Surveyor, in 1961, and recorded in the office of the Douglas County Surveyor, when evidence of the original SW. bearing tree was still in existence, monumented with a steel shaft, 30 ins. long, $\frac{3}{4}$ in. diam., protruding 10 ins. above ground, firmly set, from which bearing trees marked by Lecklider: