

County Surveyor's Record, Douglas County, Oregon

T. 24 S., R. 6 W.

CHAINS

The history of surveys in that portion of township 24 south, range 6 west, Willamette Meridian, Oregon, covered by this resurvey is as follows:

Most of the subdivisional lines of the township, including the lines between sections 15 and 16, and between sections 20 and 21, were surveyed by Robert Elder and Henry S. Gile, in 1853. The subdivisional lines were completed by Williams R. Whipple, in 1891.

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 a solar transit made by the W. and L. E. Gurley Company, serial number 580523, 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 survey. The instrument was also tested and checked frequently during the course of the survey. 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 vertical angle of each measurement was ascertained by the use of two clinometers in good adjustment. The tape was 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. All the lines were chained twice.

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

The geographic position of the corner of sections 16, 17, 20, and 21, as scaled from the Sutherlin, Oregon, quadrangle map, published by the United States Geological Survey, in 1954, is as follows:

Latitude $43^{\circ} 28.6' N.$ Longitude $123^{\circ} 25.5' W.$

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

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 24 S., R. 6 W., Willamette Meridian, Oregon

(Restoring the 1853 survey by Robert Elder and Henry S. Gile, and the 1891 survey by Williams R. Whipple)

From the cor. of secs. 16, 17, 20, and 21, perpetuated by James Byron, Deputy County Surveyor, in 1959, with and iron post, 1 in. diam., protruding 12 ins. above ground, firmly set, with brass cap marked