

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

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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:

Robert Elder and H.S. Gile surveyed that portion of the subdivisional lines in 1853.

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. Only the lines bounding or crossing public lands are blazed.

The survey was executed with a solar transit, made by W. and L.E. Gurley Co., serial number 371543, 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. The instrument was also tested and checked frequently during the course of the survey. Measurements were made on the slope with a Keuffel and Esser steel tape, two chains (132 feet) in length, graduated every link for the entire length. The vertical angle of each measurement made was ascertained by use of two clinometers in good adjustment. A plumb bob was used at each end of the tape. Only the horizontal equivalents of the measurements made are entered in the field note record. The tape was tested by comparison with a standard steel tape, one chain in length, and found to be correct.

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

The geographic position of the corner of sections 9, 10, 15, and 16, as scaled from the Sutherlin Quadrangle Map, published by the United States Geological Survey, in 1954, is as follows:

Latitude  $43^{\circ} 24.2'$  N.      Longitude  $123^{\circ} 171.1'$  W.

The mean magnetic declination is  $20^{\circ} 12'$  E.

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

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

The cor. of secs. 9, 10, 15, and 16, perpetuated by the Douglas County Surveyor in 1960, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the ground, with brass cap marked

County Surveyors Office

T 25 S R 5 W

S 9 | S 10

S 16 | S 15

1960