

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

1

T. 30 S., R. 9 W.

## CHAINS

The history of surveys in that portion of township 30 south, range 9 west, Willamette Meridian, Oregon, covered by this resurvey is as follows:

The north and west boundaries of the township were surveyed by Dennis Hathorn in 1855. In 1893, Wm. M. Bushey surveyed a portion of the subdivisional lines and retraced and resurveyed the west boundary of the township. William M. Porter retraced a portion of the north boundary in 1907.

The survey was made at the request of the Coos Bay District Manager to facilitate timber sales.

Preliminary to the resurvey the lines of the original survey are retraced and a search is made for all corners and other calls of the record. Identified corners are remonumented in their original positions. 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 580534, 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 the beginning of the survey. The instrument was also tested and checked frequently during the course of the survey. Measurements were made on the slope with a Lallie steel tape, five 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 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. All lines not forming closures were double chained to verify distances.

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

The geographic position of the corner of sections 7, 8, 17, and 18, as scaled from the Bone Mountain Quadrangle Map, published by the United States Geological Survey, in 1954, is as follows:

Latitude  $42^{\circ} 58.1' N.$  Longitude  $123^{\circ} 48.0' W.$

The mean magnetic declination is  $19^{\circ} 07' E.$

Dependent Resurvey of a portion of the Subdivisional Lines,  
T. 30 S., R. 9 W., Willamette Meridian, Oregon  
(Restoring the 1893 survey by William M. Bushey)

The cor. of secs. 7, 8, 17, and 18, is determined at record bearing and distance from the remaining original bearing trees:

A sawed fir stump, 30 ins. diam., bears N.  $30^{\circ}$   
E., 74 lks. dist., with bottom of healed blaze.

A fir, 30 ins. diam., bears N.  $48\frac{1}{4}^{\circ}$  W.,  $30\frac{1}{2}$  lks.  
dist., with healed blaze.