

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

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T. 31 S., R. 8 W.

## CHAINS

The history of surveys of township 31 south, range 8 west, pertaining to this resurvey, is as follows:

The northwest corner of the township was established by Dennis Hathorn in 1856. The north and west boundaries were surveyed by William H. Byars, in 1882. The township was subdivided by Byars in 1883. The west boundary of the township was resurveyed by Byars in 1901.

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 official record. The retrace data are thoroughly verified and only the true line field notes are given herein. Only the lines bounding public lands are blazed.

The resurvey 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 resurvey. The instruments were tested and checked frequently during the course of the resurvey. 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 tapes were tested by comparison with a standard steel tape, 1 chain in length, and found correct. The vertical angle of each measurement made was ascertained by the use of two clinometers, in good adjustment, or the transits, when necessary. Only the horizontal equivalents of the measurements made are entered in the field note record.

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

The geographic position of the southeast corner of section 15, as scaled from the Dutchman Butte quadrangle map, published by the United States Geological Survey, in 1946, is as follows:

Latitude  $42^{\circ} 52'$  N. Longitude  $123^{\circ} 37.2'$  W.

The mean magnetic declination is  $19^{\circ} 00'$  E.

Dependent Resurvey of a Portion of the W. Bdy.,  
T. 31 S., R. 8 W., Willamette Meridian, Oregon.  
(Restoring the 1882 survey and 1901 resurvey by William H. Byars)

Beginning at the cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp., perpetuated with an iron pipe, 2 ins. diam., firmly set, 4 ins. above the ground, at record bearing and distance from the remains of the original bearing trees:

A fir stump, 24 ins. diam., bears N.  $21^{\circ}$  E., 90 lks. dist., with no marks remaining.