

County Surveyor's Record, Douglas County, Oregon

T. 21 S., R. 4 W.

CHAINS

The history of surveys of township 21 south, range 4 west, in the portion of the township covered by the resurvey, is as follows:

The east boundary was surveyed by James E. Freeman, in 1851. The south boundary was surveyed by Harvey Gordon and Charles T. Gardner, in 1855. The subdivisional lines were surveyed by Harvey Gordon and Charles T. Gardner, in 1856.

The resurvey was made at the request of the Eugene District Manager for the administrative purposes of the Bureau of Land Mngmt.

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 compass made by Youn and Sons, serial number 8401, constructed in accordance with the standard specifications of the General Land Office. 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 Dietzgen steel tape, two chains (132 feet) in length, graduated every link. The vertical angle of each measurement was ascertained by use of a clinometer. 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 1 chain in length and found correct.

The directions of lines were determined by solar compass method.

The geographic position of the corner of sections 1, 2, 35, and 36, on the south boundary of the township, as scaled from the Anlauf quadrangle map prepared by the Geological Survey, in 1954, is as follows:

Latitude $43^{\circ} 41.6' N.$ Longitude $123^{\circ} 07.6' W.$

The mean magnetic declination is $21^{\circ} 01' E.$

Dependent Resurvey of Portion of Subdivisional Lines, T.21 S., R.4 W.
(Restoring the survey executed by Gordon
and Gardner in 1855 and 1856)

Beginning at the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the township, perpetuated by Weyerhaeuser Timber Co. in 1958, monumented with an iron pipe, 32 ins. long, $2\frac{1}{2}$ ins. diam. protruding 8 ins. above ground, from which the remaining original bearing trees:

A rotted fir stump, 28 ins. diam., bears $N. 11^{\circ} E.$, 71 lks. dist., with no marks remaining.

A rotted fir stump, 24 ins. diam., bears $S. 62^{\circ} E.$, 120 lks. dist., with scribe mark B visible on rotten face.

and a tree of which I have no record:

A cedar, 56 ins. diam., bears $S. 50\frac{1}{4}^{\circ} W.$, 157 lks. dist., with scribe marks CS visible on old open blaze.

and trees marked in 1958 by Weyerhaeuser Timber Company

A fir, 14 ins. diam., bears $S. 65\frac{1}{2}^{\circ} E.$, 10 lks. dist., mkd. with a nail stamped W on head and driven through the center of a 3 in. bronze disc mkd. Reg. Engineer No. 2149.