

# County Surveyor's Record, Douglas County, Oregon

18506

T. 29 S., R. 4 W., Willamette Meridian, Oregon

## CHAINS

The following field notes are those of the dependent re-survey of a portion of the subdivisional lines and boundaries of Donation Land Claim No. 41, and the subdivision of sections 17 and 19, township 29 south, range 4 west, Willamette Meridian, Oregon.

The history of surveys pertaining to this resurvey is as follows:

James E. Freeman, U. S. Deputy Surveyor, surveyed the west boundary of the township, in 1851.

Nathaniel Ford, U.S. Deputy Surveyor, surveyed a portion of the subdivisional lines, in 1854.

Dennis Hathorn, U. S. Deputy Surveyor, surveyed a portion of the subdivisional lines and Donation Land Claim No. 41, in 1857.

William H. Byars, U. S. Deputy Surveyor, completed the survey of the subdivisional lines, in 1881.

William F. Briggs, U.S. Deputy Surveyor, retraced portions of the west boundary, subdivisional lines, and Donation Land Claim No. 41 boundaries, and surveyed a portion of the subdivisional lines, in 1899.

Irving Zirpel Jr., Cadastral Surveyor, resurveyed a portion of the west boundary, in 1957.

Lynn M. Roseberry and James E. Jelly, Cadastral Surveyors, resurveyed a portion of the subdivisional lines, in 1967-77.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated July 23, 1987, and Supplemental Special Instructions dated August 25, 1987, for Group No. 1394, Oregon.

The directions of the lines refer to the true meridian as determined by deflections from azimuths obtained by direct solar observations.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of the record. Identified corners were re-monumented in their original positions. Lost corners were reestablished and re-monumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein. All lines not forming a closure were measured twice.

Detectable Electronically Energized particles (DEEP-1 TM) were buried as memorials at certain corner monuments. The DEEP-1 is composed of strontium encased in a color-coded plastic container. The units are 1 inch in diameter,  $2\frac{1}{2}$  inches long, weigh  $2\frac{1}{2}$  ounces, and are magnetically detectable to an average depth of 8 feet.

The geographic position (NAD 1927) of the closing corner of sections 8 and 17, on the west boundary of section 9, determined by a tie to a control point, established by the doppler method of global positioning, using Magnavox MX-1502 Receivers, in 1987, is as follows:

Latitude  $43^{\circ} 03' 20.17''$  N. Longitude  $123^{\circ} 11' 18.41''$  W.

The mean magnetic declination is  $18\frac{3}{4}^{\circ}$  E.