

# County Surveyor's Record, Douglas County, Oregon

18766

T. 19 S., R. 10 W., Willamette Meridian, Oregon

## CHAINS

The following field notes describe the dependent resurvey of a portion of the east boundary and subdivisional lines, and the subdivision of sections 13, 24 and 27, township 19 south, range 10 west, Willamette Meridian, Oregon.

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

In 1889, Charles M. Collier, U.S. Deputy Surveyor, surveyed the west boundary.

In 1895, Henry L. Chandler, U.S. Deputy Surveyor, surveyed the east boundary and subdivisional lines.

In 1895, Thos. G. Gerdine, GLO Special Agent, examined a portion of the east boundary as shown in the field notes of the examination of surveys, dated December 14, 1895. Consequently, the Chandler returns of survey were rejected by the Commissioner of the General Land Office by letter dated February 17, 1897.

In 1899, Chandler surveyed the east boundary and subdivisional lines.

In 1918, Charles M. Collier, U.S. Cadastral Engineer, and Elmer F. Strickler, U.S. Transitman, resurveyed a portion of the west boundary.

In 1921-22, Fred Mensch, U.S. Cadastral Engineer, retraced and resurveyed a portion of the east boundary.

In 1957-58, Thomas A. Tillman, Robert L. Holm and Floyd A. Brooks, Cadastral Surveyors, resurveyed a portion of the east boundary.

In 1968-76, Donald R. Beck and Peter A Peterson, Cadastral Surveyors, retraced a portion of the east boundary.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and Special Instructions dated June 25, 1988, for Group No. 1450, Oregon.

Preliminary to the resurvey, the lines of the prior surveys were retraced and a search was made for all corners and other calls of record. Identified corners were remonumented in their original positions; lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are give herein. Those lines not forming a closure were measured twice. Only those lines bounding public lands were posted.

The directions of the lines are based on the true meridian as determined by direct solar observations and were carried forth by means of sustained angulation and by NAVSTAR Global Positioning System (GPS) relative position techniques, between intervisible GPS stations.

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, 2½ inches long, weigh 2½ ounces, and are magnetically detectable to an average depth of 8 feet.

The geographic position (NAD 1927) of the corner of sections 8, 9, 16 and 17, as determined from a direct tie to GPS Station No. 191016B, located in northeast ¼, section 17, established by David Evans and Associated, Inc., Portland, Oregon, for the United States Forest Service, in 1988, is as follows:

Latitude 43° 55' 44.99" N. Longitude 123° 54' 16.63" W.

The mean magnetic declination is 18° 30' East.