

# County Surveyor's Record, Douglas County, Oregon

18678

T. 28 S., R. 4 W., Willamette Meridian, Oregon

## CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines and a portion of the boundaries of Mineral Survey No. 979, and subdivision of section 14, township 28 south, range 4 west, Willamette Meridian.

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

In 1881, William H. Byars, U.S. Deputy Surveyor, surveyed the subdivisional lines.

In 1897, A. C. McDonald segregated certain mining claims in sections 14 and 15.

In 1958, Irving Zirpel, Jr. and William W. Glenn, Cadastral Surveyors, resurveyed a portion of the subdivisional lines.

In 1965, John. M. Jelley, Cadastral Surveyor, resurveyed a portion of the subdivisional lines and subdivided section 13.

In 1970, George W. Plumb, U. S. Mineral Surveyor, surveyed the Morning Star Placer and the Evening Star Placer under Mineral Survey No. 979, Oregon.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated August 10, 1987, and the Supplemental Special Instructions dated August 2, 1990, for Group No. 1398, Oregon.

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

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.

Preliminary to the resurvey, the lines of the original surveys were retraced and search was made for all corners and other calls of the 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 given herein. All lines not forming a closure were measured twice.

The geographic position (NAD 1927) of the cor. of secs. 14, 15, 22, and 23, as determined from a tie to Doppler Global Position Station EC71004 "LEE CREEK," established by the Bureau of Land Management in 1987, is as follows:

Latitude 43° 07' 37.40" N. Longitude 123° 08' 50.75" W.

The mean magnetic declination is 20° E.

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Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 28 S., R. 4 W., Willamette Meridian, Oregon

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(Restoring the 1881 survey by Willaim H. Byars)

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Beginning at the cor. of secs. 14, 15, 22, and 23, monumented with an iron post, 2½ ins. diam., firmly set, projecting 10 ins.