

Survey No. 922

CHAINS

This survey was made with a Berger transit No. 31424, with horizontal limb 4.5 ins. diam., having two double opposite verniers and full vertical circle 4 ins. diam., having one double vernier; the verniers read to one minute of arc; the eyepiece is equipped with a colored shade set in the dust shutter for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order. September 8, 1953, at Cor. No. 1 of the Extension South of Cloudy Day lode, in latitude 42°45' N. and longitude 123°11' W., I make a series of four observations upon Polaris at eastern elongation for azimuth, the details of which observation are shown in the calculation sheets herewith submitted for examination. All azimuths in this record are referred to the true meridian thus determined, by the method of deflection angles and calculated courses.

The lines were measured with a new Dietzgen steel tape, 301 ft. in length, graduated every foot throughout with the extra foot on the front end and the last foot graduated to tenths and hundredths. The tape was compared with a new Lufkin 300 ft. standard tape at the time of beginning the survey, and found correct.

All lines and connections of this survey were run by direct methods where the lines were accessible; the inaccessible lines were run by traverse methods, as shown in the calculation sheets herewith submitted.

Feet

EXTENSION SOUTH OF CLOUDY DAY LODE

At Cor. No. 1 of the Extension South of Cloudy Day lode, identical with Cor. No. 2 Sur. No. 5 Green Mountain Quartz Mine lode, approved July 8, 1887; Cor. No. 1 Sur. No. 8 First Extension South of Green Mountain Quartz Mine lode, approved June 4, 1887; and angle corner (not numbered) of Sur. No. 6 F. O. Worley Placer Mine, approved July 12, 1887.

Set a galvanized iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd. CDX-1-922; from which

A cedar, 8 ins. diam., bears N. 20°00' E., 43.9 ft. dist., mkd. CDX-1-922 BT.

A fir, 8 ins. diam., bears N. 64°00' E., 48.3 ft. dist., mkd. CDX-1-922 BT.

The $\frac{1}{4}$ sec. cor. of secs. 32 and 33, T. 32 S., R. 4 W., Willamette Meridian, Oregon, bears N. 83°24'30" W., 1368.21 ft. dist.; monumented with a fir stake, 3 ins. diam., 18 ins. above ground, surrounded by a mound of stone, witnessed as described in the records of the County Surveyor's Office of Douglas County, Oregon, as follows:

A fir, 30 ins. diam., bears N. 43°05' E., 16.5 ft. dist.

A fir, 30 ins. diam., bears S. 89°45' W., 31.7 ft. dist.

The observed magnetic declination at this corner is 22°45' E.

Thence N. 35°45'30" E.

Along an east line of Sur. No. 6 F. O. Worley Placer Mine, approved July 12, 1887.

132.00 Intersect an angle corner in northeast line of Sur. No. 6 F. O. Worley Placer Mine, approved July 12, 1887, from which Cor. No. 1 of said survey bears N. 75°00' W., 425.04 ft. dist.

1,500.00 Cor. No. 2, on line 2-3 Sur. No. 5 Green Mountain Quartz Mine lode, approved July 8, 1887.

Set a galvanized iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, with brass cap mkd. CDX-2-922; from which

A fir, 12 ins. diam., bears S. 57°00' E., 19.6 ft. dist., mkd. CDX-2-922 BT.