

Survey No. 918

-GLAINS

This survey was made with a Berger transit No. 31434, 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. A series of six altitude observations were made upon the sun 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 Lufkin steel tape 301 ft. in length, graduated every foot for 300 ft. and the remaining foot to tenths and hundredths; the tape was compared with a 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.

The magnetic declination observed at each corner of the survey gave a uniform value of 20°52' E.

Feet

## GOLD LEAF LODE

At Cor. No. 1 of the Gold Leaf lode, identical with Cor. No. 4 of the North Extension Gold Leaf lode of this survey, Cor. No. 6 Sur. No. 5 Green Mountain Quartz Mine lode approved July 8, 1887 and Cor. No. 3 Sur. No. 8 First Extension South on the Green Mountain Quartz Mine lode approved July 13, 1887.

Set an iron post, 36 ins. long, 1 in. diam., 30 ins. in the ground, surrounded by a mound of stone to top, with brass cap mkd. GL-1-GLX-4-918; from which

A fir, 6 ins. diam., bears S. 88°00' E., 13.9 ft. dist., mkd. GL-1-GLX-4-918 BT.

A madrona, 8 ins. diam., bears N. 70°00' W., 19.0 ft. dist., mkd. GL-1-GLX-4-918 BT.

The  $\frac{1}{4}$  sec. cor. of secs. 32 and 33, T. 32 S., R. 4 W., W. M., Oregon, bears N. 75°17' W., 1,905.28 ft. dist.; 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., mkd.  $\frac{1}{4}$  S 33 CS BT.

A fir, 30 ins. diam., bears S. 89°45' W., 31.7 ft. dist., mkd.  $\frac{1}{4}$  S 32 CS BT.

Thence S. 53°50'30" E.

297.27 Lode line; discovery point bears S. 11°45' W., 61.01 ft. dist.

526.22 Cor. No. 2, identical with Cor. No. 3 of the North Extension Gold Leaf lode of this survey.

Set an iron post, 36 ins. long, 1 in. diam., 30 ins. in the ground, surrounded by a mound of stone to top, with brass cap mkd. GL-2-GLX-3-918; from which

A maple, 10 ins. diam., bears N. 20°00' E., 37.8 ft. dist., mkd. GL-2-GLX-3-918. BT.

A maple, 10 ins. diam., bears N. 67°00' E., 26.7 ft. dist., mkd. GL-2-GLX-3-918. BT.