

COUNTY SURVEYOR'S RECORD, DOUGLAS COUNTY, OREGON

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BUSHONG & CO. PORTLAND, ORE. 87545

Survey No. *5* Made on January 12-20 1931

Survey No. Made on

In Town. **31 S** Range **2 W** Sec. **13**

In Town. Range Sec.

Made for **F. L. Thomas Drew, Oregon.**

Made for

Purpose of Establish the boundaries of the land owned by F. L. Thomas ($N\frac{1}{2}NW\frac{1}{4}$, $SE\frac{1}{4}NW\frac{1}{4}$) section 13 Purpose of

Surveyed by Ben. B. Irving Dep. Co. Surveyor.

C.S. No. *37/27*

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Ten days notice having been given to the adjoining property owners as provided by the laws of Oregon the Survey was commenced by Ben. B. Irving Deputy County Surveyor on the morning of January 12, 1931.

The survey was begun at the Northwest corner of section 13 T 31 S R 2 W WM. the location of which was determined from the original bearing trees three of which were standing. The corner was renewed in accordance with the law and duly recorded in the office of the County Surveyor. A traverse was run south from this corner to the $\frac{1}{4}$ section corner between sections 13 and 14. A solar observation was made during the running of this traverse and the true meridian determined. All angles were turned in deflection from this meridian and the true bearings followed ~~throughout~~ thruout the survey.

The line between the NW corner of section 13 and the $\frac{1}{4}$ section corner on the west side was found to be S $1^{\circ}15'W$ 40.080 chains. The ~~the~~ $1/16$ section corner was placed at the midpoint of this line.

A traverse was then run between the NW corner of the section and the $\frac{1}{4}$ section corner between sections 12 and 13. This $\frac{1}{4}$ section corner was renewed in a proper manner and duly recorded. this line was found to be S $89^{\circ}46'E$ 40.203 chains. At the midpoint of this line the $1/16$ th section corner was placed.

A traverse was then ran from the $\frac{1}{4}$ section corner between sections 12 and 13 south to the $\frac{1}{4}$ section corner between sections 13 and 24. this line was found to be S $0^{\circ}18'W$ 80.704 chains.

A traverse was next ran from the $\frac{1}{4}$ section corner between sections 13 and 14 east thru section 13 to the $\frac{1}{4}$ section corner between sections 13 and 18. This $\frac{1}{4}$ section corner was lost having been destroyed by fire. In order to establish the $\frac{1}{4}$ section corner between sections 13 and 18 it as necessary to run from the two section corners on the east side of the section. This was done and the section line found to be N $0^{\circ}16'W$ 80.315 chains. The $\frac{1}{4}$ section corner between sections 13 and 18 was placed at the midpoint of this line and tied to the traverse east thru the center of the section. This line thru the center of section 13 is S $89^{\circ}46'E$ 80.778 chains.

The $\frac{1}{4}$ section corner at the center of section 13 was placed at the intersection of the lines running thru the center of the sections, i.e: at the intersection of the lines connecting the opposite $\frac{1}{4}$ section corners.

At the midpoints of the lines between the center $\frac{1}{4}$ corner of the section and the $\frac{1}{4}$ section corners on the North and West boundaries of the section was located the $1/16$ section corners which apply to the NW $\frac{1}{4}$ of the section.

From the four $1/16$ th section corners placed as described above I ran lines connecting the opposite corners and at the intersection of the two lines placed the $1/16$ th corner for the center of the NW quarter.

The attached blue print forms a part of this record and shows the work actually accomplished. All angles were thuned in deflection and doubled. A buff transit reading to one minute was used. A 1 distances was measured with a 5 chain tape and slope distances measured vertical angle read with the transit and horizontal distances computed. All traverses were computed by latitudes and departures and all closures were within good standards.

The solar observation ~~was~~ was made direct 4 times twice with the teles ope direct and twice with the telescope reversed. all observations checked within 1 minute of azimuth. Due to local attraction the magnetic variation was very irrigular but averaged about $20\frac{1}{2}^{\circ}$ East.

Feb. 6, 1931.

Ben. B. Irving
Deputy County Surveyor

Field Notes filed Vault 27 27