

11996 County Surveyor's Record, Douglas County, Oregon

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 HOMESTEAD ENTRY SURVEY NO. 130
 SIUSLAW NATIONAL FOREST
 OREGON

CHAINS

All measurements, unless otherwise specified, are made with a 1/8 inch steel tape, 5 chains in length, compared with a Chesterman standard steel tape. Clinometers are used to determine slope angles, and measurements are reduced to true horizontal distances.

I examine the adjustments of the transit and correct all errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

September 11, 1915: At my camp in the NW $\frac{1}{4}$, sec. 6, T. 22 S., R. 10 W., lat. 43°41' N., long. 123°56' W., at 3 p.m., l.m.t., I set off 43°41' N. on the lat. arc; 4°43' N. on the decl. arc, and determine a meridian with the solar and mark the point thereof by a notch in a wooden peg driven in the ground 5 chs. N. of my station.

At 8^h 14^m p.m., l.m.t., I observe Polaris at eastern elongation, and mark a point in the line thus determined by cutting a notch in a peg driven in the ground, 5 chs. N. of my station.

Sept. 11, 1915.

September 12, 1915: At 7^h 20^m a.m., l.m.t., I lay off the azimuth of Polaris 1°35' to the west and mark the meridian thus determined by cutting a notch in the wooden peg driven in the ground yesterday, 5 chs. N. of my station; on which the meridian falls 0.25 ins. west of the mark determined by the solar.

At 7^h 30^m, l.m.t., I set off 43°41' N. on the lat arc; 4°27' N. on the decl. arc, and mark a point in the meridian thus determined with the solar, by a notch in the peg already set 5 chs. N. of my station; this mark falls 0.1 ins. east of the meridian established by the Polaris observation.

The solar apparatus by a.m. and p.m. observations defines positions for the meridian within one minute of arc from the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

RESURVEY

From the cor. of T. 22 S., Rs. 10 and 11 W., which is a sandstone, 8 x 10 x 6 ins. above ground, firmly set, marked and witnessed as described by Frank D. Maxwell, Surveyor, in his notes of the reestablishment of this corner.

I run

South, retracing the range line bet. T. 22 S., Rs. 10 and 11 W.

Descend through dense fir, cedar and alder timber and dense undergrowth, along SE. slope.

22.64 Creek bed, course SE.

37.65 Trail, bears E. and W.

37.68 Right bank of Umpqua River. I make diligent search for meander cor. but fail to find any trace of it. (Settlers in the neighborhood claim private surveyors had searched for it a number of times during the past ten years but never found it.) From this point the N. end of old fence on S. bank of Umpqua River, supposed to have been built on the range line years ago, bears South.

I reestablish the meander cor. as follows:

Set a sandstone, 30 x 15 x 10 ins., 23 ins. in the ground, over a stone marked with a cross, marked MC on side facing the river; and 6 grooves on E. and W. faces; from which