

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

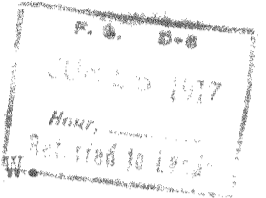
OF

HOMESTEAD ENTRY SURVEY NO. 186

SITUATED IN THE **Umpqua** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 6.

In Sections 21, & 28 surveyed, Township 32 S., Range 3 W.



of the

Willamette Meridian.

State of

Oregon

Composite Survey.

Applicant for listing **Elmer L. Colwell,**
S. R. Miller.

Residence **Anchor, Oregon.**
Glendale, Oregon.

Application No. **45**, dated **June 21, 1909.** 19
93 **September 7, 1912.**

List No. **6-422**, dated **August 22, 1910.** 19
6-969 **October 1, 1913.**

and four tracts of land upon the application of **S.R. Miller.**

Applicant for survey **Stephen R. Miller,**

Residence **Glendale, Oregon.**

H. E. No. **09340**, dated **February 18,** 1914.

Land District **Roseburg, Oregon.**

Survey executed by **Frederick W. Rase, Surveyor.**
[Forest Service Title.]

Under special instructions dated **February 3,** 1916.

Survey commenced **September 9, 1916.** 19

Survey completed **September 12, 1916.** 19

Under Acts of **June 11, 1906** and **August 11, 1916.**

ACCEPTED BY THE NON. COMMISSIONER **G. L. O. February 1-1918.**

County Surveyor's Record, Douglas County, Oregon

14063

HOMESTEAD ENTRY SURVEY NO. 186 SECS. 21 & 28 T 32 S R 3 W

CHAINS

Entryman: Stephen R. Miller,
H.E. NO. 09340, dated February 18, 1914
Land District: Roseburg, Oregon.

Survey commenced September 9, 1916 and executed with a Buff and Buff light mountain transit No. 9701 with solar attachment; the horizontal limb having two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Portland, Oregon, found correct and was approved by the Assistant Supervisor of Surveys for Oregon and Washington April 29, 1916.

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 9, 1916: At a point about 3.00 chains southwest of entryman's house, in latitude $42^{\circ}45'N.$, longitude $123^{\circ}02'W.$ (obtained from blue print accompanying Special instructions and subsequently verified) I set off $42^{\circ}45'N.$ on the latitude arc, $5^{\circ}11'N.$ on the declination arc, and at 4^h p.m., l.m.t. determine a meridian with the solar and mark the point thereof on a peg set in the ground 5 chains north of my station.

At 8^h20^m p.m., l.m.t. I observe Polaris at eastern elongation and mark a point in the line thus determined on a peg driven in the ground 5 chains north of station.

September 9, 1916.

September 10, 1916: At 8^h a.m. l.m.t. I lay off the azimuth of Pol. 93 minutes to the west and mark the mer. thus determined by a tack in the peg previously set, on which the mer. falls 0.45 ins. west of the mark determined by the solar.

At 8^h05^m a.m., l.m.t., I set off $42^{\circ}45'N.$ on the lat. arc; $4^{\circ}56'N.$ on the decl. arc; and mark a point in the mer. determined with the solar by a tack in the peg already set in the ground 5 chs. north of station; this mark falls 0.3 ins. east of the mer. established by the Pol. obsn.

The solar apparatus by a.m. and p.m. obsns. defines positions for the mer. within 1 minute of arc of the mer. established by the Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.

September 10, 1916: At cor No. 1 of this survey, hereinafter described, I set off $4^{\circ}51'N.$ on the decl. arc and at 11^h57^m l.m.t. obs. the sun on the mer.; the resulting lat. is $42^{\circ}46'N.$, long. $123^{\circ}02'W.$

The mag. bearing of the true mer. at this cor. at 12^h noon is $N.20^{\circ}07'W.$; the angle thus determined gives the mag. decl. $20^{\circ}07'E.$ The mean mag. decl. is $20^{\circ}10'E.$

RETACEMENTS

September 10, 1916: Preliminary to the survey of this Homestead