

# County Surveyor's Record, Douglas County, Oregon

12033

HOMESTEAD ENTRY SURVEY NO. 144  
 COMPOSITE METES AND BOUNDS SURVEY OF FRANK T. CASE, HOMESTEAD ENTRY,  
 UMPQUA NATIONAL FOREST  
 OREGON

CHAINS

Frank T. Case, applicant for listing; application No. 46, dated July 15, 1909.

Special Instructions dated April 27, 1914, for H.E.S. No. 144, which is a composite survey.

Claim situated in unsurveyed secs. 8 and 9, T. 29 S., R. 1 E., W.M., Oregon. Authority is contained in the Acts of June 11, 1906 and March 4, 1913, for this survey.

Survey commenced June 26, 1914, and executed with a W. and L. E. Gurley light mountain solar transit No. 12985, the horizontal limb having two double verniers reading to single minutes of arc, which is also the least count of the lat. and decl. arcs.

The instrument was approved by the Assistant Supervisor of Surveys for Washington and Oregon on May 25, 1914, at Portland, Oregon.

All measurements, unless otherwise specified, are made with a  $\frac{1}{2}$ -inch steel tape, two 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 the results of obsns. on the sun made during a.m. and p.m. hours with a mer. determined by obsn. on Pol., I proceed as follows:

On June 26, 1914, at point 1 ch East of claimant's house, (H.E.S. No. 143), in lat.  $43^{\circ} 4'$  N., long.  $122^{\circ} 43'$  W., at 1h 20m a.m., l.m.t., I obs. Pol. at eastern elong., and mark the point in the line thus determined by a tack driven in a wooden peg set in the ground 5 chs. N. of my station.

At same station, at 6h 45m a.m., l.m.t., on June 26, 1914, I lay off the azimuth of Pol.  $1^{\circ} 35'$  to the West, which exactly coincides with Pol. meridian established by me at same station on June 17, 1914.

At same station, at 7h a.m., l.m.t., June 26, 1914, I set off  $23^{\circ} 24\frac{1}{2}'$  N. on the decl. arc,  $43^{\circ} 4'$  N. on the lat. arc, and determine a mer. with the solar. This mer. coincides with the mer. established by Pol. obsn.

At same station, at 5 p.m., l.m.t., on June 17, 1914, I set off  $23^{\circ} 25'$  N. on the decl. arc,  $43^{\circ} 4'$  N. on the lat. arc, and determine a mer. with the solar which coincides with the mer. determined by Pol. obsn. I therefore conclude that my instrument is in perfect adjustment.

June 26, 1914.

## H. E. S. No. 144

Beginning at Cor. No. 1, identical with Cor. H/3 of listing survey No. 6-605, which is a fir tree, 24 ins. diam., mkd. and witnessed as described by Asher Ireland, Assistant Forest Ranger. I mark tree 1 H E S 144 on SE. face, with a blaze on the S and NE faces; from which

A fir, 15 ins. diam., brs. N.  $18^{\circ} 30'$  E., 23 lks. dist.,

A hemlock, 9 ins. diam., brs. S.  $30^{\circ} 30'$  W., 38 lks. dist.,

both blazed and scribed 1 H E S 144 B T.

Cor. of secs. 12 and 13, T. 29 S., R. 1 W., W.M., a stone, mkd. and witnessed as described by the Surveyor General, brs. N.  $78^{\circ} 29'$  W.,