

M98-20

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

OREGON  
JULY 13 1979  
ROBERT G DEAN  
1808



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FEB 7 1985

COUNTY SURVEYOR  
DOUGLAS COUNTY, ORE.

*7*

SURVEY NARRATIVE

Survey of Property Lines for U.S.D.A. Forest Service

Location: H.E.S. 178, N.E. 1/4 & S.E. 1/4 Sec. 20 and N.W. 1/4 & S.W. 1/4 Sec. 21, T.26 S., R.2 E., W.M., Douglas County, Oregon.

Date of Survey: Jan. 18, 1985

Basis of Bearings: Solar observations per M98-6.

History: May 1913, Listing Survey by U.F. McLaughlin-- see Seattle Archives Record Group #49, Box 242, File 178. August 1916, Homestead Entry Survey 178, by Frederick W. Rase.

August 1930, Township Subdivision by Otto L. Draper.

July 1945, Survey M12-40, by B.B.Irving.

October 1969, Corner renewals by V.R.Tracy.

Purpose: To mark property lines with steel posts and boundary signs.

Procedure: A perimeter traverse was run using Topcon DMC2 E.D.M. & Topcon TL60E Theodolite (closure 1:26,000)

Monumented Corners:

4 HES 142--Found iron pipe and brass cap as shown in CS 58/204 page 3 of M98-6.

1/4 S 16/S 15--Found iron pipe and brass cap as shown in CS 58/204 page 5 of M 98-6.

1 HES 178--Found corner tree and accessories as shown in CS 58/204 page 4 of M 98-6.

2 HES 178--Obliterated corner restored in original location according to: (1) Testimony of property owner Mr. John Aymond, who remembers that the drill steel mentioned in M12-40 used to lie under a fence which ran north/south on the west side of the old road. He showed me the stumps of the old fence posts sawed off at ground level. (2) The record bearing and distance from the stump of a bearing tree of the 1913 Listing Survey.

#59+

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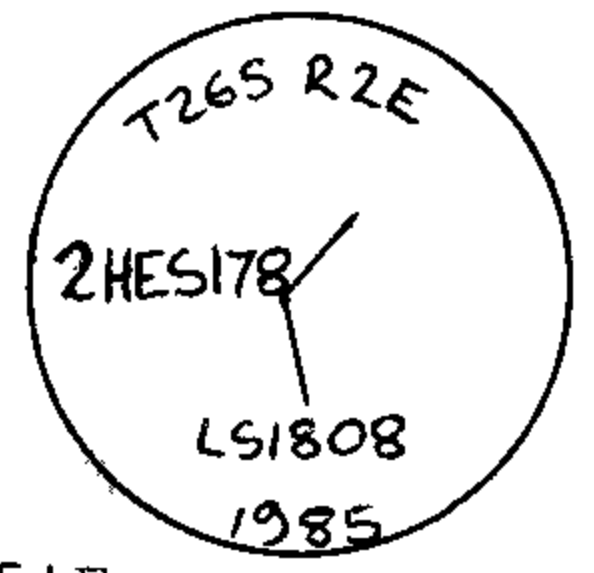
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COUNTY SURVEYOR  
DOUGLAS COUNTY, ORE.

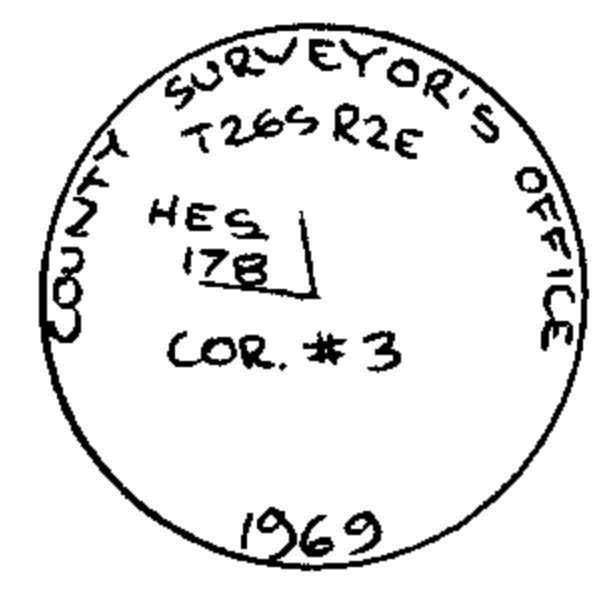
2 HES 178 continued

Set 2" x 30" magnetic aluminum monument in 36" cairn, marked as shown, from which:  
1" x 29" bent drill steel per M 12-40, lying loosely, pointed in north/south direction, covered by 1 inch of soil and turf, bears N.85\*W. 0.2' from corner location. The drill steel is now placed inside the new monument;  
60" Ponderosa Pine sawed stump, no marks, bears S.2\*-15'E. 402.60' (record S.2\*-15'E. 402.60' per listing survey);  
New BT's:  
11" W. Oak, scribed "2HES178BT", bears N.49\*-45'E. 311.7';  
17" D. Fir, scribed "2HES178BT", bears S.13\*-00'E. 374.8';  
A 3/4" brass disc stamped "RLS 1808" is nailed low to the face of each new B.T.



3 HES 178

Found 1" galv. iron pipe with 2 1/2" brass cap, marked as shown, in 36" cairn, per Ren. #29, from which:  
42" D. Fir, healed scar, bears N.83\*-30'E. 75.0' (record N.83\*-15'E. 77.22' per HES 178);  
15" P. Pine, healed scar, bears S.47\*-30'E. 26.1' (record S.50\*E. 29.70' per listing survey);  
50" Y. Pine stump hole bears S.62\*-15'W. 83.4' (Record 30" S.61\*W. 81.84' per listing survey);  
16" D. Fir, healed scar, bears N.54\*-45'W. 6.7' (record N.54\*W. 7.1' per Ren. #29);  
19" D. Fir, healed scars, bears N.16\*-15'W. 15.3' (record N.17\*-45'W. 15.4' per Ren. #1).



4 HES 178

Found 1" galv. iron pipe with 2 1/2" brass cap, marked as shown, per Ren. #30, from which:  
A 12" x 10" x 5" cinder stone marked "4HES178" lies East 0.5'±;  
Pitched center of Y. Pine stump "S178BT" visible at 8" from center, bears N.78\*-30'E. 15.0' (record N.75\*-15'E. 15.18' per HES 178);  
24" Pond. Pine, healed scar, bears S.78\*-00'E. 87.9' (record S.76\*-30'E. 88.1' per Ren. #30);  
25" D. Fir, healed scar, bears S.81\*-30'W. 77.4' (record S. 83\*W. 77.2' per Ren. #30);  
18" W. Oak, rotted face, N. 74\*-50' W. 84.5' (record N. 74\*-00' W. 84.48' per H.E.S. 178).



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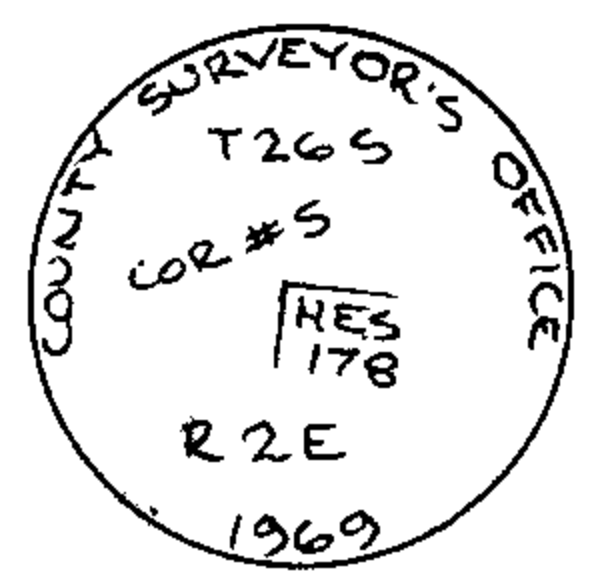
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5 HES 178

Found 1" galv. iron pipe with 2½" brass cap, marked as shown, per Ren. #31, from which:  
37" D. Fir, healed scar, bears N.46\*-30'E. 64.6' (record N.46\*-45'E. 66.00' per HES 178);  
12" W. Fir, healed scar, bears S.42\*-30'E. 7.0' (record S.43\*E. 6.9' per Ren. #31);  
14" D. Fir, healed scar, bears S.24\*-15'W. 12.0' (record S.25\*W. 12.0' per Ren. #31);  
36" Ponderosa Pine snag, scribing visible in rotted face, bears S.30\*-00'W. 26.9' (record S.29\*-30'W. 27.06' per HES 178).



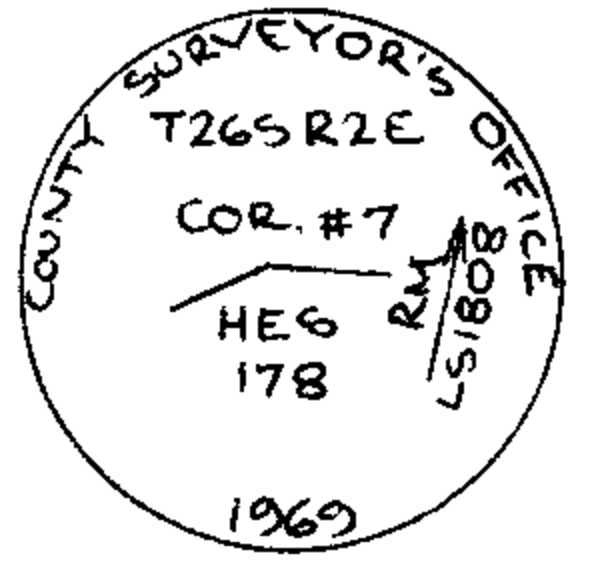
6 HES 178

Found 1" galv. iron pipe with 2½" brass cap, marked as shown, per Ren. #32, in the center of a 30" Pond. Pine stump, from which:  
16" Oak stump, rotted face, bears N.6\*-25'W. 38.61' (record N.5\*W. 37.62' per HES 178);  
18" Oak snag, rotted face, bears S.2\*-00'E. 26.7' (record S.2\*E. 27.72' per H.E.S. 178);  
14" D. Fir, healed scar, bears S.19\*-00'W. 31.5' (record S.20\*W. 31.8' per Ren. #32);  
12" D. Fir, healed scar, bears S.72\*-30'W. 29.8' (record S.75\*W. 30.0' per Ren. #32).



7 HES 178

Found 23" W. Oak corner tree, healed scar, from which:  
1" galvanized iron pipe with 2½" brass cap bears S.12\*-12'W. 2.22' (record 2.0' per Ren. #33), marked as shown, I add figures " → " "RM LS1808" to cap;  
15" W. Oak, rotted face, bears N.67\*-20'E. 24.7' (record N.69\*E. 24.42' per H.E.S. 178);  
17" Oak snag, healed scar, bears S.54\*-15'E. 48.0' (record S.53\*-30'E. 44.22' per listing survey);  
9" D. Fir, healed scar, bears S.36\*-45'E. 13.5' (record S.33\*E. 13.5' per Ren.#33);  
11" D. Fir, healed scar, bears S.44\*-00'W. 16.0' (record S.47\*W. 16.4' per Ren.#33);  
17" Oak snag, healed scar, bears S.46\*-45'W. 34.6' (record S.46\*-15'W. 34.98' per H.F.S. 178).



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COUNTY SURVEYOR  
DOUGLAS COUNTY, ORE.

Diagram  
Accompanying Special Instructions  
Dated December 17, 1915

for Survey of  
Homestead Entry N<sup>o</sup> 09413 dated March 31, 1914  
Roseburg Land Office

**H.E.S. N<sup>o</sup> 178**

List N<sup>o</sup> 6-1085 dated October 16, 1913

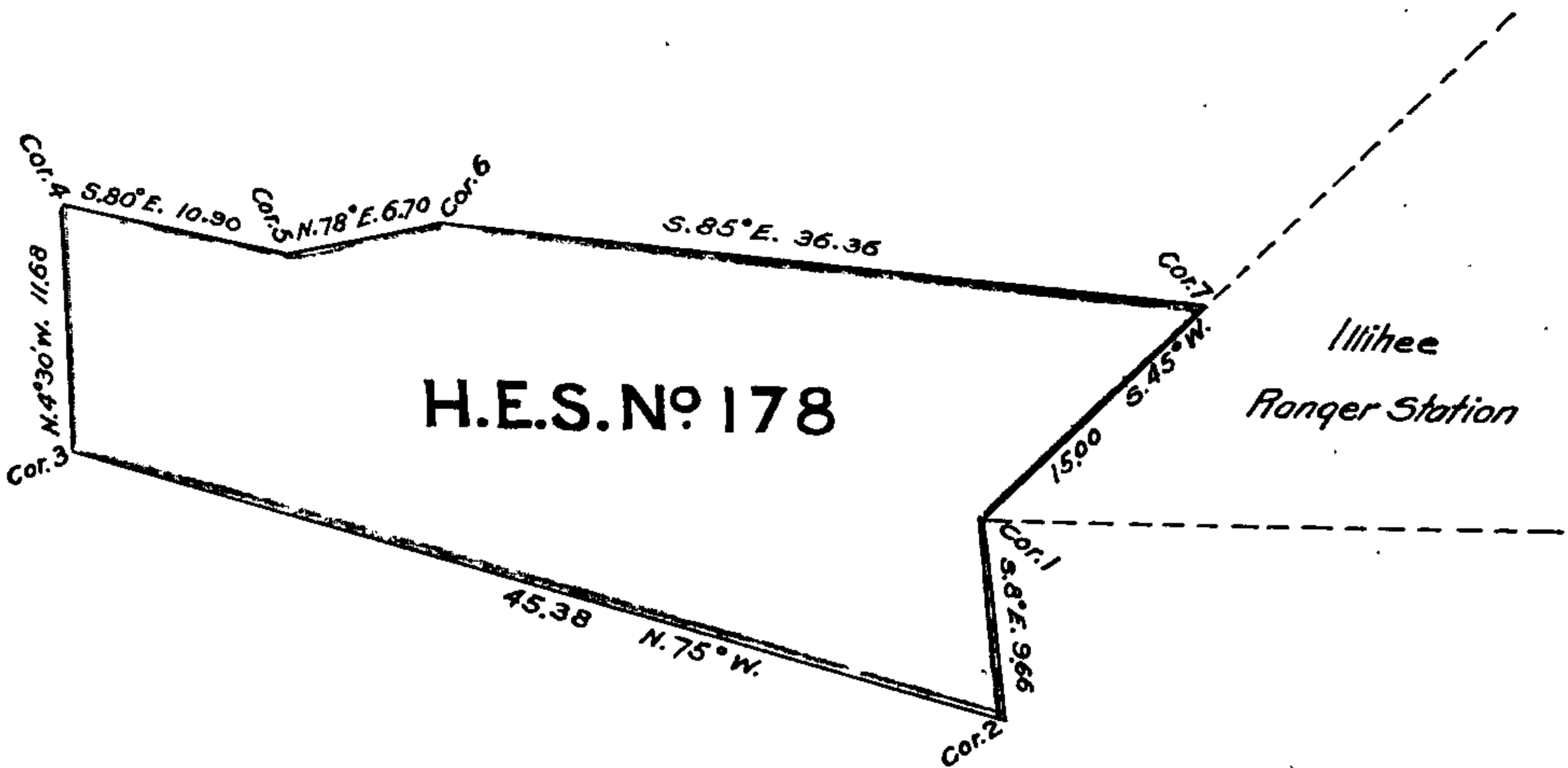
Application of John B. Wright

Glide, Oregon.

Situated in Approximate Sec. 14 T. 26 S. R. 2 E. W. M. Oregon. (unsurveyed)  
within the

**UMPQUA NATIONAL FOREST**

Scale. 10 chs = 1 inch



Approximate } Latitude. 43° 18' N. } at Cor. N<sup>o</sup> 1  
                  } Longitude. 122° 32' W. }

2/7/85

THIS SET OF NOTES RECEIVED  
FROM ROBT. DEAN - FROM HIS  
RESEARCH OF RECORDS AT THE  
SEATTLE ARCHIVES.

C.S. File No. 63/5-2d

"LISTING" SURVEY

SPECIAL INSTRUCTIONS  
FOR SURVEY OF  
HOMESTEAD ENTRY WITHIN UMPQUA NATIONAL FOREST  
OREGON.

H.E.S. NO. 178:

Office of U.S. Surveyor General,  
Portland, Oregon, December 17, 1915.

*Fred W. Ruse,*

Forest Service Surveyor,  
Portland, Oregon.

Sir:-

Acting District Forester, C.J. Buck, by letter dated December 10, 1915, requested that Special Instructions be issued (in blank) for survey of the following tract, under the Acts of June 11, 1906 and March 4, 1915.

In the execution of this survey you will be guided by these "Special Instructions", together with Circular No. 235.

---

As indicated by the diagram herewith (showing assembled information, including courses and distances of prior surveys, etc.; also approximate latitude and longitude as shown by office records, the same to be corrected by you according to facts), you are directed to survey out by m<sup>e</sup>tes and bounds:

HOMESTEAD ENTRY NO. 09413, dated MARCH 31, 1914

ROSEBURG LAND DISTRICT

LIST NO. 6-1085, dated OCTOBER 16, 1913

upon the application of

JOHN B. WRIGHT, GLIDE, OREGON

situate in approximate Sec. 14, T. 26 S., R. 2 E., W. M. Oregon,  
(unsurveyed).

You are hereby authorized to include within this survey such adjacent tracts of land not yet listed as may be found desirable and expedient for inclusion, by the District Forester, or simplify the boundary of a tract already listed where it is rendered unduly crooked by unnecessary exclusions, bearing in mind always that you, as executing surveyor in the employ of the Forest Service, will guard its interests well.

This authority is based on G.L.O. letters dated February 4th and March 30, 1914, copies of which have been furnished you.

The survey will be designated as H.E.S.No.178, and a corner will be established at each change in direction of the boundaries of the entry survey, said corners to be numbered consecutively, beginning with Corner No. 1, which will be connected to a locating monument, as no regular survey in good standing is within two miles.

#### LOCATION MONUMENTS

This entry survey being situated in a district where there are no corners of the public survey, as mentioned above, you will proceed to establish a location monument of substantial form, with witnesses, mound, bearing trees, bearing objects, etc. and in the position in the region prescribed for Mineral Monuments, concerning which, you appear to have already been instructed ( see Sec. 17 and portions of Sec. 7, Circular No. 235 as to determining the location of such a monument and the importance of fully recording same in your field notes).

This entry survey is reported in approximate Sec.14, T. 26 S., R. 2 E. U. S.L.M. No. 142 established in connection with H.E.S.No.142, is reported in Sec. 2 of this unsurveyed township. Should it transpire that this monument is found to be within two miles of this survey, you will tie the nearest corner of this survey (which you will designate as Cor.No.1) to this monument instead of establishing a new one.

### MINERAL CLAIMS

At the date of these Special Instructions the records of this office show no mineral claims in this vicinity.

Your attention is particularly called to the enclosed revised list of lost surveys (showing approximate location only) to be tied in, should you happen to find them; carefully observe Secs. 19, 26 and 27 of Circular No. 235, as to non-inclusion of patented lands in any case, and the conditions of including conflicts in other cases.

The plat to be posted on the claim as required by the Act of 1906 (see Sec. 51) should be complete in respect of such conflicts that it may constitute due notice to all concerned of the proposed final proof.

### DATA

For your guidance and convenience in the execution of this work there is attached to these Special Instructions, the following:

Copy of listing letter in the name of Walter F. Wright, Umpqua Settlement No. 107.

Blue Print diagram of the listed tract.

Copy of letter, Restoration to Entry.

Copy of Field notes of Forest Service survey by U.F. McLaughlin, Surveyor-Asst. Forest Ranger.

There is also herewith furnished the following:

Copy of G.L.O. circular on "Restoration of Lost or Obliterated Corners and Subdivision of Sections (Revision of June 1, 1909)".

Copy of the "Ephemeris of the Sun and Polaris and Tables of Azimuths of Polaris for the Year, 1916."

Field notes of U.S.L.M. No. 142, established in connection with H.E.S. No. 142.

GENERAL PRINCIPLES (When applicable)

- a- I trust that conflicts between listings can be avoided; that is, to settle the common boundaries between them before survey; which would greatly simplify our work; however, where two entrymen cannot agree, there is no way apparently but to let one of them appeal, etc., arrest survey, and await the concluded action on the appeal.
- b- In road exemptions, complete the corner numbering for one tract, before beginning another.
- c- Your attention is particularly called to the importance of observing the regulations governing RIGHT-OF-WAY, in Circular No. 235 (Secs. 22 and 32, pages 7 and 9).  
Your H.E. survey field notes should contain a concise but clear statement of the field process whereby you lay down the prescribed center line and obtain therefrom the angle points of the road boundaries.  
You should remember that the courses were determined by a magnetic needle (which is not only subject to daily and yearly change, but is also liable to defects in the instrument, so that different compasses may run different courses) on an assumed declination and the same courses laid down from an astronomic meridian may or may not give the location intended for the center line and attain the other boundary of the tract at the point required. When this condition arises, it will necessitate an adjustment of the recorded courses between the fixed terminal points; this adjustment will be made on the assumption that the error is equally divided between erroneous bearings and erroneous chaining, which experience shows to be true in needle-compass work.

OBSERVATIONS

When using a solar apparatus for determining meridians, it is deemed necessary to take the latitude daily -weather permitting- while running all the lines of Homestead Entry Surveys.

A large percentage of the errors in determining azimuth by solar apparatus, is due to using the incorrect latitude of instrument station; therefore, in order to guard against this error, the only safe practice is to take daily latitude observations.

FIELD WORK

Your attention is particularly called to the importance of observing Circular No. 235 in making metes and bounds surveys.

If such circular cannot be properly complied with in any special instance, let your field notes state why, and then state

what was done; such record should be furnished to justify my approval.

Where a corner of the entry survey is assigned to a corner of the regular government survey, you will not interfere with such public survey markings, but let it stand for what it was originally intended; however, an entry survey embracing lands proper to be entered and patented -to the exclusion of other lands- should have a substantial and distinctive marking on the ground, and a concise but complete and correct record thereof appear in your notes (see Sec. 59); therefore, if a corner of the entry survey is identical with a corner of the regular survey, you are instructed to place a cross on the top for chaining point and drive a stake alongside, with the proper markings, for the corner of the H.E. survey. When the corner of the regular survey is monumented by an iron post, a cross on the top will not be necessary, but the post may be used as a chaining point and a stake, bearing the H.E.S. corner markings driven alongside. The notes, however, should clearly indicate that the corner of the regular survey was adopted as the H.E.S. corner.

Your attention is particularly called to a strict observance of Sec.10, Circular No. 235, in the establishment of all corners of this survey, and the necessity of incorporating in your field notes memorials used, and if not used, the reasons therefor.

#### FIELD NOTES

You are cautioned to maintain complete field notes in every particular, and to compute all doubtful closings in the field as the work progresses, in order that the entire record of the survey may always be kept complete to avoid the necessity of returning to the field.

In case conflicts (not patented) are included at entryman's request; for instance, of an unpatented mineral survey, which he

thinks he can hold and sustain at final proof, the field notes should state that Sec. 26 (Circular No. 235) was read and explained to him, and that the inclusion was at his own request.

In the preparation of field notes -where you include adjacent tracts of land not yet listed, but found desirable and expedient for inclusion by the District Forester- we do not ask for the areas of the separate entries, (as it would require the survey of the common boundary) when both are to be included in the one patent, bearing in mind however, that the total area must not exceed 160 acres and not more than one mile in length.

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Inasmuch as your returns are to be prepared under the direction of this office, your hearty cooperation in complying with above rules will be appreciated.


As no Manual of 1902, is issued -for the limited use it would be in this survey- a suitable synopsis of the Manual sections mentioned in Circular No. 235, together with sketches are herewith attached; also list of U.S.L.M's. established in connection with mineral and H.E. surveys.

Very respectfully,



U.S. Surveyor General of Oregon

JWR  
NEH

Approved by Commissioner's Letter.....

**DATED**

APR 28 1916

C.S. File No. 63/5-2J

DESCRIPTION OF SURVEY

Settlement Application No. 107

Walter F. Wright

May 14, 1913.

Unsurveyed. Approximately T. 26 S., R. 2 E., W.M.

Weather conditions, cloudy.

Variation. This survey was made with a Gurley Compass, on a variation of 20° E.

Beginning at corner No. 5 of the Caps Illihee Ranger Station, which consists of a rock 2'x12"x10" in a mound of rocks marked

R. Whence a yellow pine, 36" in diam. marked W bears N. 46° W. <sup>5</sup>

39x 6.00 chs. A yellow pine 48" in diam. marked W bears S. 21° E. <sup>5</sup>

6.10 chs. 402 60

Chains Run S. 8° E.

9.66 and established corner No. 2 which consists of a dry  
637.56' pitchey yellow pine limb 4"x4"x3'6" set in the ground 15" and rocks piled around it. Whence a yellow pine tree 8" in diam. mkd. HW bears S. 50° E., 0.45 chs.

A yellow pine tree 30" in diam. mkd. HW bears S. 61° W. <sup>2</sup>

1.24 chs. (The corner stake is marked H) <sup>2</sup>

Thence N. 75° W.

Through scattering yellow pine and white oak timber and along the south brink of the Illihee plateau

45.38 To corn. No. 3 a dry white oak post, 4"x4"x3'6" mkd.  
2995 08' H and set in the ground 15". Whence a yellow pine 12" <sup>3</sup>

in diam. mkd. HW bears N. 77° E., 0.22 chs. A white oak tree 15" in diam. mkd. HW bears N. 75° W., 1.26 chs. <sup>3</sup>

Thence N. 4° 30" W.

11.68 across the west end of the Illihee, through open country  
770.88' to corner No. 4, a dry white oak post 4"x4"x3'6" mkd.

H and set in the ground 15". Whence a yellow pine 30" <sup>4</sup> in diam. mkd. HW bears S. 28° W., 0.39 chs. A douglas <sup>4</sup>

fir 32" in diam. mkd. HW bears N. 45° E., 1.00 ch. <sup>4</sup>

Thence S. 80° E.

10.90 through open yellow pine and douglas fir timber to  
71940 corner No. 5, a yellow pine tree 12" in diam. marked H<sub>5</sub>  
Whence a white oak tree 16" in diam. marked HW bears<sub>5</sub>  
N. 6° W. 0.57 chs. A white oak tree 18" in diam. mkd.  
HW bears due South 0.42 chs.  
5

Thence N. 78° E.

.50 Across Government trail

6.70 to corner No. 6, a white oak tree 26" in diam. mkd.  
44220 H. Whence a white oak tree 16" in diam. mkd. HW bears<sub>6</sub>  
S. 53° 30" E. 0.67 chs. A white oak tree 14" in diam.  
mkd. HW bears N. 64° E., 0.35 chs.  
6

Thence S. 85° E.

7 Enter scattering fir and pine reproduction  
15 Across dry creek bed and start up point of low ridge  
19 On top of ridge, enter douglas fir reproduction  
33 Enter opening  
36.36 To corner No. 7, a yellow pine tree 28" in diam. mkd.  
2399.76' H. Whence a white oak tree 16" in diam. mkd. HW<sub>7</sub>  
bears S. 41° 0.47 chs. A douglas fir 8" in diam. mkd.  
HW bears N. 38° 30" W. 0.33 chs. 21.78  
7

Thence S. 45° W.

3 Enter douglas fir reproduction  
6 Cross dry creek bed and enter open. Creek bed bears N. 86° W  
7.15 Struck corner No. 5 of the West addition to the Illihee  
Ranger station  
14.15 To place of beginning  
93390'

U.F. McLaughlin  
Surveyor, Assist. Forest Ranger

Description and plat  
compared and approved:

August 27, 1913

G.A. Bonebrake  
Actg. Forest Supervisor

U.S. File No. 63/5-24