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# FIELD NOTES

RECEIVED AND FILED.

Of the <sup>re</sup> survey of the <sup>re</sup> exterior *this 2 day of Jan 1890*

ROBERT A. HABERSHAM,  
U. S. Surveyor General for Oregon.

Lines of *Township No. 5 north*

*Range No. 38 east,* Willamette Meridian, Oregon,

as surveyed by *George R. Campbell and William E.*

*their joint* U. S. Deputy Surveyors under ~~his~~ contract No. *699*

Dated *February ninth*, 189*9* *under supplemental*  
*special instructions dated March 25*  
*1899*

Survey commenced *July fourteenth*, 189*9*

Survey completed *August eleventh*, 189*9*

## NAMES AND DUTIES OF ASSISTANTS.

*Robert H. Orms*, Chainman.

*Charles L. Campbell*, Chainman.

*Walter D. Orms*, Chainman.

*Ray J. Campbell*, Chainman.

*Blyde W. Biddell*, Axman.

....., Axman.

....., Flagman.

*Copied by mrc Jan. 26 1900*



1 A

AM

PRELIMINARY OATHS OF ASSISTANTS.

WE, *Robert F. Omeq, Charles L. Campbell,*  
*Homer D. Angell and Roy J. Campbell*  
do solemnly swear that we will faithfully execute the duties of chain-  
men; that we will level the chain over even and uneven ground, and  
plumb the tally pins, either by sticking or dropping the same; that we  
will report the true distance to all notable objects, and the true length  
of all lines that we assist in measuring, to the best of our skill and  
ability, and in accordance with the instructions given us, in the ~~survey~~  
of the ~~resurvey~~ *of the section*  
lines of *T. 5 N., R. 38 E*  
Willamette Meridian, Oregon.

*Robert F. Omeq*, Chainman.  
*Homer D. Angell*, Chainman.  
*Charles L. Campbell*, Chainman.  
*Roy J. Campbell*, Chainman.

Subscribed and sworn to before me this *fourteenth*  
day of *July*, 189*9*.

*William C. Campbell*  
*U. S. Deputy Surveyor*

[SEAL.]

~~WE~~, *I, Clyde W. Riddell*

and *I*  
do solemnly swear that ~~we~~ *I* will well and truly perform the duties of  
axman, ~~mound men, and flagman~~ in the establishment of corners and  
other duties, according to instructions given ~~us~~ *me*, and to the best of ~~our~~ *my*  
skill and ability, in the survey of the ~~section~~ *lines of*  
*Township 5 north, range 38 east*  
Willamette Meridian, Oregon.

*Clyde W. Riddell*, Axman.  
\_\_\_\_\_, Axman.  
\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this *fourteenth*  
day of *July*, 189*9*.

*William C. Campbell*  
*U. S. Deputy Surveyor*

[SEAL.]



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Resurvey

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AO

Affidavit of Deputy Surveyor.

I, George R. Campbell, United States Deputy Surveyor, do solemnly swear that in pursuance of my duties under instructions received from Robert D. Habershern, U. S., Surveyor-General for Oregon, I found it absolutely necessary to resurvey all those portions of the exterior boundaries of township No. 5 north, range No. 38 east, Willamette Meridian, Oregon, which are represented in the following field notes as having been surveyed by me.

George R. Campbell,

U. S. Deputy Surveyor

Subscribed by the said George R. Campbell,

U. S. Deputy Surveyor, and sworn to before me this

23rd day of Dec 1899

Clatsop County Clerk and  
Ex-officio Clerk of Circuit Court  
By W. H. Beebe Deputy



Resurvey of Exterior; T. 5 N., R. 38 E., W. 1/4 Sec., Oregon.

Survey commenced July 14, 1899, and executed with an improved solar compass made by W. and L. E. Gurly. The horizontal limb is provided with double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the vernier of the latitude arc; the vernier of the declination arc is graduated to 30". The instrument was examined, tested on two meridians at the Dallas, found correct and was approved by Edward H. Sharp, U. S. Deputy Surveyor, Aug 19, 1899, under authority given by the Surveyor-General for Oregon.....

July 16: It having been impossible to observe Polaris, because of existing conditions of weather, I examine the adjustment of my instrument carefully and fully satisfy myself of their correctness by hourly observations on true meridian determined by the solar, during the forenoon and afternoon of this day; finding it to agree in its readings of latitude and in alignment.

I first determine by retracements, that the east boundary, while very nearly correct in alignment is defective in measurement and that the corners, in some instances, are partially, or wholly obliterated.

I run west on a blank line on south boundary of sec. 36 and at 13.30 obs. intersect the closing



Resurvey of the S. bdy. of T. 5 N., R. 38 E., etc., continued  
 cor. of T. 4 N., R. 38<sup>rd</sup> & 39 E.; at 44.75 chs.  
 intersect the standard  $\frac{1}{4}$  sec. cor. and at 85.10 chs.  
 intersect the standard cor. of secs. 35 and 36;  
 thereupon I continue my line west and at 165.10 chs.  
 intersect the standard cor. of secs. 34 and 35, having  
 found no trace of the standard  $\frac{1}{4}$  sec. cor.; at 203.10  
 chs. intersect the standard  $\frac{1}{4}$  sec. cor. S. bdy. of sec.  
 34; at 241.10 chs. intersect the standard cor. of secs.  
 33 and 34; at 280.79 chs. fall 22 chs. S. of the  
 standard  $\frac{1}{4}$  sec. cor. S. bdy. of sec. 35 and at  
 321.50 chs. fall 32 chs. S. of the standard cor.  
 of secs. 32 and 33; there finding no trace of the  
 original line until, at 480.00 chs. I fall 42  
 chs. S. of the standard cor. of T. 5 N., R. 37<sup>rd</sup> and  
 38 E.

Thereupon, in accordance with the printed  
 channel and the supplemental special instructions  
 issued by the Surveyor General, bearing date  
 of March 23, 1899, this boundary will be  
 resurveyed and the cor. thereon reestablished  
 at even distances of 40.00 and 80.00 chs.

(out) Resurvey of the South Boundary.  
 July 18:

The old standard cor. of T. 5 N., R. 37<sup>rd</sup> &  
 38 E., is a post greatly decayed and the marks thereon  
 nearly obliterated; the witness trees are dead and



Resurvey of the S. hdy. of G. 5 N., R. 38 E. - et, Continued.

Chains: the marks indistinct; therefore I destroy all traces of this old cor. and reestablish at the same point as follows:

Set a tamarack post 3 ft. long, 3 ins. sq. 24 ins. in the ground, for standard cor. of G. 5 N., R. 37 & 38 E., marked

S. 6., G. 5 N., or N.;

R. 38 E., S. 31, on E. end

R. 37 E., S. 36, on W. face; with 6 grooves on N., E. & W. faces; from which

A tamarack, 10 ins. diam., bears N.  $70^{\circ} 12' E.$ , 77 lbs. dist., marked G. 5 N., R. 38 E., S. 31, R. 9.;

A fir, 12 ins. diam., bears N.  $44^{\circ} 14' W.$ , 1 ch. and 54 lbs. dist., marked G. 5 N., R. 37 E., S. 36, R. 9.

July 18: AT 2  $\frac{1}{2}$  6<sup>m</sup>, p. m., l. m. T., I set off  $45^{\circ} 52'$  on the lat. arc;  $20^{\circ} 57'$  N. on the decl. arc and determine a true meridian by the solar at the standard cor. of G. 5 N., R. 37 & 38 E. before described.

The magnetic bearing of this true meridian is N.  $20^{\circ} 40' W.$ ; the angle thus determined, reduced by the table, page 108 of the Manual, gives the mean mag. decl.,  $20^{\circ} 45' E.$

Thence I run

S.  $89^{\circ} 57' E.$ , on S. hdy. of sec. 81.

Gradually ascending through heavy timber.

. 80 Trail; bears N.  $50^{\circ} E.$  & S.  $50^{\circ} W.$ ; descent gradually.



Resurvey of the S. by. of T. 5 N., R. 88 E., etc., Continued.

- 13.50 Leave timber; bears S.  $10^{\circ}$  E. and N.  $10^{\circ}$  W.; then, steep descent.
- 28.00 Bottom of ravine, 150 ft. deep course S.  $30^{\circ}$  E. ascend.
- 33.40 Top of rise; descend steep hill; bears N. & S.  
 Difference between measurements of 40.00 chs. by two sets of chainmen, is 8 lbs.; position of middle point.  
 By first set, 39.96 chs.;  
 By 2<sup>d</sup> set, 40.04 chs.; the mean of which is
- 40.00 After renewed search find no trace of the old standard  $\frac{1}{4}$  sec. cor. described by the surveyor general in a basalt stone  $16 \times 14 \times 6$  in.  
 I set a basalt stone  $20 \times 10 \times 6$  in. 15 in. in the ground, for standard  $\frac{1}{4}$  sec. cor., marked S. 6.,  $\frac{1}{4}$  a N. face, and set in a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pit impracticable.
- 40.35 Ravine, course S.; ascend.
- 41.50 Top of ridge, bears N. & S.; descend.
- 43.00 Ravine, 100 ft. deep, course S.; ascend S. slope.
- 65.00 Ridge; bears N.  $10^{\circ}$  E. and S.  $10^{\circ}$  W.; descend through timber.
- 72.00 Leave timber; bears N.  $30^{\circ}$  E. and S.  $30^{\circ}$  W.
- 76.75 More gradual descent.
- 77.75 Day end of stream, 25 lbs. wide, course S.  $20^{\circ}$  E.  
 At point 1.000 ft. below the township corner and find no trace of the old standard cor. of sec. 31 and 32, described by the surveyor general.



Resurvey of the S. bdy. of G. 5 N., R. 58 E., etc., Continued.

Chains: general as a basalt stone  $16 \times 10 \times 6$  ins. from which a fir 10 ins. diam., bore N.  $85^\circ$  E., 340 lbs. dist.;  
 Difference bet. measurement of 80.00 chs. by two sets of chainmen is 12 lbs.; position of middle point

By 1<sup>st</sup> set, 80.06 chs.;

By 2<sup>d</sup> set 79.84 chs.; the mean of which is 80.00  
 Set an iron stone  $22 \times 12 \times 4$  ins.,  $16\frac{1}{2}$  ins. in the ground, for standard cor. of ans. 31<sup>st</sup> and 32, marked S. C. & N. for; with 5 grains on E. and 1 grain on W. for; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pit impracticable. Land, mountainous and rolling.

Soil, stony and gravelly; 3<sup>rd</sup> and 4<sup>th</sup> rates.

Heavily timbered with fir, tamarack, pine and spruce, 13.50 chs.

Undergrowth, fir, pine, tamarack, spruce, huckleberry, willow and bunchgrass.

Mountainous, a heavily timbered land, 8000 chs.

S.  $89^\circ 57'$  E., or S. bdy. of Sec. 32.

Descending.

15.40 Dry bed of stream, 10 lbs. wide, across S.; around steep hill; bears S.  $40^\circ$  E. and N.  $40^\circ$  W.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 6 lbs.; position of middle point

By 1<sup>st</sup> set, 40.03 chs.;



Resurvey of the S. ldy. of D. 5 N., R. 38 E., etc., continued.

- Chains: By 2<sup>d</sup> set, 39.97 chs; the mean of which is  
 40.00 Find no trace of the old standard  $\frac{1}{4}$  sec. cor. described by the Survey-General as a basalt stone  $16 \times 12 \times 5$  ins. I set a basalt stone  $18 \times 14 \times 12$  ins.,  $13\frac{1}{2}$  ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., marked S. C., '14 on N. face and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits imperishable.
- 58.00 Top of ridge; bears S.  $10^{\circ}$  E.  $2\frac{1}{4}$  N.  $10^{\circ}$  W.; cleared along barren hillside; slope S.  $70^{\circ}$  E.
- 69.40 Deep ravine, course S.  $20^{\circ}$  E.; thence along slope S.
- 78.50 The old standard cor. of sec. 32  $2\frac{1}{4}$  33, a basalt stone  $16 \times 12 \times 5$  ins. in mound of stone, marked  $2\frac{1}{4}$  witnessed as described by the Survey-General, bears N. 4 ths. dist.; I destroy all trace of this old cor.
- At point about level with the last sec. cor. and the difference in measurement of 5000 chs. by two sets of chainmen is 6 ths.; position of middle point
- By 1<sup>st</sup> set, 80.03 chs;  
 By 2<sup>d</sup> set, 79.87 chs; the mean of which is  
 80.00 Falls on a rock in place  $50 \times 30 \times 30$  ins. above the ground, on which I cut a cross (x) at the exact cor. point for standard cor. of sec. 32  $2\frac{1}{4}$  33, marked



Recovery of the S. bdg. of T. 5 N., R. 58 E., etc., Continued.

Chains: S. C. on N. face; with 4 grooves on E. and 2 grooves on W. face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor.; Pits impracticable.

Land, mountainous.

Soil, stony; 3<sup>rd</sup> and 4<sup>th</sup> rates.

Timber, bettering fir, tamarack, pine and spruce.

Undergrowth, fir, tamarack, pine, spruce, willow and bunchgrass.

Mountainous land, 80.00 ch.

July 18, 1899.

July 19: At 7<sup>h</sup> 8<sup>m</sup> a.m. l.m.t., I set off  $20^{\circ}48'30''$  N. on the decl. arc, (the lat. being set at  $45^{\circ}52'$ ) and determine a true meridian by the solar at the standard cor. of series 52 and 53. S.  $89^{\circ}57'E.$ , on S. bdg. of sec. 53.

Ascending; hill bears S.  $40^{\circ}E.$  and N.  $40^{\circ}W.$

.75 Stream, 3 lbs. wide, runs S.  $10^{\circ}W.$

10.00 Enter heavy timber; bears N. and S.

12.50 Top of point corner S.; descend.

31.15 Basin, 400 ft. deep, course S.  $30^{\circ}W.$ ; ascend.

37.00 Top of prominent, rocky spur; bears S.  $10^{\circ}E.$  and N.  $10^{\circ}W.$ ; descend; hill slopes S.  $20^{\circ}E.$

39.21 The old standard  $\frac{1}{4}$  sec. cor., a basalt stone,  $17 \times 12 \times 4$  ins. marked and witnessed as described by the surveyor-general, bears S. 3 lbs. dist. I destroy all traces of this old cor.



Resurvey of the S. cor. of T. 5 N., R. 38 E., etc., Continued.

Chains: Difference between measurement of 40.00 ch., by two sets of chainmen is 14 lbs.; position of middle point

By 1<sup>st</sup> set, 39.93 ch.;

By 2<sup>d</sup> set, 40.07 ch.; the mean of which is

40.00 Falls on a rock in place 36 x 30 x 30 ins above ground, on which I

cut a cross (x) at the exact cor. point for standard  $\frac{1}{4}$  sec. cor.; marked S. C.  $\frac{1}{4}$  on N. face, from which

A fir, 10 ins. diam., bears N. 10° W., 58 lbs. dist., marked  $\frac{1}{4}$  S. 33, B. D. No other tree available; I raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high N. of cor. Pit impracticable.

53.65 Bottom of ravine, 500 ft. below spur; course S 10° W. ascend steep hill; bears N. 10° E. and S. 10° W.

62.15 Top of spur; bears N. and S.; descend steep slope S. 70° E.

67.40 Ravine, 100 ft. deep, course S. 10° E.; ascend.

76.00 Top of rocky spur, bears S. 10° E. and N. 10° W.; descend through scattering timber.

77.90 The old standard cor. of sec. 33 and 34, a bench stone 14 x 10 x 5 ins. marked and witnessed as described by the surveyor-general, bears S. 19 lbs. dist. I destroy all traces of this old standard sec. cor.

A point 800 ft. below the last sec. cor. and the



Resurvey of the S. ldy. of T. 5 N., R. 38 E. etc., Continued.

Chains: difference in measurements of 8000 ch. by two sets of chainmen is 4 lbs.; position of middle point

By 1<sup>st</sup> set, 80.02 ch.;

By 2<sup>d</sup> set, 79.98 ch.; the mean of which is

80.00 Set a basalt stone 15 x 12 x 8 ins. 10 ins. in the ground, for standard cor. of sec. 33 & 34, marked S. E. or N. for, with 3 poles on E. and W. for, from which

A fir, 24 ins. diam., bears N. 80° E., 21 lbs. dist. marked T. 5 N., R. 38 E., S. 34, B. 9.;

A fir, 8 ins. diam., bears N. 60° W., 47 lbs. dist. marked T. 5 N., R. 38 E., S. 33, B. 9. Land, mountainous.

Soil, stony; 4<sup>th</sup> set.

Timber, pine, fir, tamarack & spruce.

Undergrowth, pine, fir, tamarack, spruce, chapparal, willow & brushyess.

Mountainous land, 80.00 ch.

S. 89° 57' E., on S. ldy. of sec. 34.

Descending gradually through scattering timber.

6.00 Enter heavy timber.

7.00 Abrupt descent; bears N. and S.

20.40 Spring branch, 6 lbs. wide, runs S.

20.90 Perpendicular bluff 75 ft. high; bears N. and S.

33.00 Spring branch, 6 lbs. wide, runs S. 30° W.; ascend.

36.90 The old standard 1/4 sec. cor., a fir, 12 ins. diam.,



Resurvey of the S. bdy. of T. 5 N., R. 38 E., etc., Continued.

- Chains: marked & witnessed as described by the surveyor-general, bears S. 16 lbs. dist. I destroyed all traces of this old standard  $\frac{1}{4}$  sec. cor. Difference in measurement of 40.00 ch. by two sets of chainmen is 10 lbs.; position of middle point
- By 1<sup>st</sup> set, 39.95 ch.;
- By 2<sup>d</sup> set, 40.05 ch. The mean of which is 40.00
- Wells on a point of rock 20 x 15 x 12 in. above basaltic ledge, on which I cut a cross (x) at the exact cor. point for standard  $\frac{1}{4}$  sec. cor., marked S. 6.,  $\frac{1}{4}$  on N. face, from which
- A fir, 10 in. diam. bears N.  $18\frac{1}{2}^{\circ}$  E., 1 ch. & 16 lbs. dist., marked  $\frac{1}{4}$  S. 35, B.D.;
- A fir, 10 in. diam., bears N.  $86^{\circ}$  W., 74 lbs. dist., marked  $\frac{1}{4}$  S. 34, B.D.
- 52.00 Top of spur; bears N.  $40^{\circ}$  E. & S.  $40^{\circ}$  W.; descended through scattering timber; hill bears N.  $60^{\circ}$  E. & S.  $60^{\circ}$  W.
- 58.00 Bottom of ravine - course S. - as usual.
- 62.00 Top of spur; descended steep slope.
- 73.00 Spring branch, 2 lbs. wide, runs S. E.
- 74.00 Spring branch, 2 lbs. wide, runs S.; as usual.
- 74.90 The old standard cor. of secs. 34 & 35, a basalt stone in mound of stone, marked and witnessed as described by the surveyor-general, bears S. 13 lbs. dist.; I destroyed all traces of this old cor. At point 800 ft. below the last anc. cor. and the



Summary of the S. bdy. of T. 5 N., R. 38 E., etc., continued.

Chains: Difference in measurement of 8000 ch. by two sets of chains is 8 lbs.; position of middle point

By 1<sup>st</sup> set, 79.96 ch.;

By 2<sup>d</sup> set, 80.04 ch.; the mean of which is 80.00

Set a basalt stone 20 x 16 x 10 ins. 15 in. in the ground, for standard cor. of subs. 34 & 35, marked S. E. on N. face; with 2 grooves on E. & 4 grooves on W. face, from which

A pine, 28 in. diam., bears N.  $72^{\circ} 12' E.$ , 2 ch. and 20 lbs. dist., marked T. 5 N., R. 38 E., S. 38, B. D.; no other tree in limit; I raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.; Pits impracticable land, mountainous.

Soil, stone; 4<sup>th</sup> rate.

Timber, pine, fir, tamarack and spruce.

Undergrowth, chapparel, pine, fir, tamarack, spruce, willow, huckleberry & huckleberries.

Mountainous land, 80.00 ch.

July 19: At the cor. of subs. 34 & 35, I set off  $20^{\circ} 47' N.$  on the decl. arc, and at 12 h. 6 m. p. m., l. m. t., observe the sun on the meridian; the resulting latitude is  $45^{\circ} 52'$ .

S.  $89^{\circ} 6' 7" E.$ , on S. bdy. of sec. 38.

Abreaching through scattering timber.

6.50 Top of spur; bears N. & S.; descend.

13.00 Head of ravine; bears S.  $70^{\circ} E.$



Resurvey of the S. bdy. of T. 5 N., R. 38 E., etc.; Continued.

- 32.00 Spur; bears N.W. and S.E.; abrupt descent. Difference in measurement of 40.00 ch., by two set of chainmen is 8 lbs.; position of middle point  
By 1<sup>st</sup> set, 40.04 ch.;  
By 2<sup>d</sup> set, 39.96 ch.; the mean of which is
- 40.00 Nail to find any trace of the old standard  $\frac{1}{4}$  sec. cor. and set a basalt stone 36 x 30 x 20 ins. 27 ins. in mound of stone, on rocky ground, for standard  $\frac{1}{4}$  sec. cor., marked S. C.  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.
- 57.90 Nail; bears S. 20° E., and N. 20° W.
- 59.10 Branch, 30 lbs. wide, runs S. 20° E.
- 74.90 The old standard cor. of sec. 35 and 36, a basalt stone 20 x 10 x 4 ins., marked and witnessed as described by the surveyor-general, bears S. 7 $\frac{1}{2}$  lbs. dist. I destroy all traces of this old cor.  
A point 200 ft. below the last sec. cor. and the difference in measurement of 80.00 ch. by two set of chainmen is 20 lbs.; position of middle point  
By 1<sup>st</sup> set, 79.90 ch.;  
By 2<sup>d</sup> set, 80.10 ch.; the mean of which is
- 80.00 Set a basalt stone 20 x 18 x 12 ins. 15 ins. in the ground, for standard cor. of sec. 35 and 36, marked S. C. on N. face, with 1 groove on E. and 5 grooves on W. face; from which  
A pine, 18 ins. diam., bears N. 5° E., 59 lbs. dist.,



Resurvey of the S. ldy. of I. 5 N., R. 38 E., etc, Continued.

Chains: marked I. 5 N., R. 38 E., S. 36, B. D.;

A fir, 10 in. diam., bears N. 2° W., 60 lbs. dist.,  
marked I. 5 N., R. 38 E., S. 35, B. D.

Land, mountainous.

Soil, stony, 4<sup>th</sup> set.

Timber, scattering pine, fir & Tamarack.

Undergrowth, pine, fir, Tamarack, chapparel,  
& brushgrass.

Mountainous land, 80.00 ch.

S. 89° 57' E., on S. ldy. of sec. 36,

Ascending through scattering timber; hill  
bears N. W. & S. E.

35.25 The old standard  $\frac{1}{4}$  sec. cor., a basalt stone,  
18 x 10 x 5 ins. marked & witnessed as  
described by the surveyor-general, bears S. 3 lbs.  
dist. I destroyed all traces of this old  $\frac{1}{4}$  sec. cor.

Difference in measurement of 40.00 ch. by two  
sets of chains was 6 lbs.; position of middle point

By 1<sup>st</sup> set, 39.97 chs;

By 2<sup>d</sup> set, 40.03 chs.; the mean of which is

40.00 But an iron stone 20 x 8 x 5 ins. 15 in. in round  
of stone on rocky ground, for standard  $\frac{1}{4}$  sec. cor.  
from which

A pine, 15 in. diam., bears N. 88° E., 2 ch. &  
10 lbs. dist., marked  $\frac{1}{4}$  S. 36, B. D.;

A fir, 12 in. diam., bears S. 80° W., 73 lbs.



Resurvey of the S. bdy. of T. 5 N., R. 38 E., Concluded.

Chains: Dist., marked  $\frac{1}{4}$  S. 36, B. 9.

51.00 Top of rise; descend across deep cañon.

56.00 Bottom of cañon; ascend over ridge.

62.00 Top of rise; descend over bluffy ground.

66.70 The closing cor. of T. 4 N., R. 38<sup>nd</sup> & 39<sup>th</sup> E.

At point 700 ft. below the last ev. cor. of the standard cor. of T. 5 N., R. 38<sup>nd</sup> & 39<sup>th</sup> E., a pin 32 ins. diam. marked <sup>and</sup> witnessed as described by the surveyor-general;

Difference in measurement of 8000 ch. by two sets of chains is 18 lbs.; position of middle point

By 1<sup>st</sup> set, 80.09 chs;

By 2<sup>d</sup> set, 79.91 chs, the mean of which is

80.00 The true length of the south boundary as originally established - 480.00 chs.

Land, mountainous.

Soil, stone; 4<sup>th</sup> rate.

Timber, asstaining pine <sup>and</sup> fir.

Undergrowth, pine, fir, sheppard <sup>&</sup> huckleberry

July 19, 1899.

Resurvey of E. bdy. T. 5 N., R. 38 E., W. M., Oregon

Survey commenced July 20,  
1899, by deputy George B. Campbell,  
assisted by Robert



Resurvey of the E. bdy. of T. 5 N., R. 38 E., etc.; Continued.

H. Dreyer and Charles L. Campbell, chairman,  
and Clyde W. Biddell, assessor.

Preliminary to commencing the subdivision of this township I ran north on a blank line on E. bdy. of sec. 36, and at 40.00 chs. intersect the  $\frac{1}{4}$  sec. cor.; at 80.00 chs. fail to find any trace of the cor. of sects. 25, 30, 31 and 36; I set temp. sec. cor. and at 81.50 chs. fall 15 lbs. west of the old cor. of sects. 25, 30, 31 and 36. Therefore I continue my line north, find this east boundary very nearly correct in alignment, but out of limit in its measurement and a portion of the cor. thereon partially, or wholly obliterated; and

At 6 miles, 13 chs. and 47 lbs. I intersect the closing cor. of T. 5 N., R. 38 and 39 E.. As these townships have not been subdivided, in accordance with the original and supplemental special instructions received from the surveyor-general, I resurvey the range line between them as follows:

July 20:

The standard cor. of T. 5 N., R. 38 and 39 E., is a pine, 32 ins. diam., marked and witnessed as described by the surveyor-general;

Thence I run North, bet. sects. 31 and 36.



FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by George R. Campbell, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the surveys of the exterior lines of township No. 5 north range No. 38 east, Willamette Meridian, Oregon, showing the respective capacities in which they acted:

- Compassman.
Robert F. Omez, Chainman.
Charles L. Campbell, Chainman.
Homer D. Angell, Chainman.
Roy J. Campbell, Chainman.
Blyde W. Riddell, Axman.
Axman.
Flagman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted George R. Campbell, U. S. Deputy Surveyor, in surveying all those parts or portions of the exterior lines of township No. 5 north range No. 38 east, Willamette Meridian, Oregon, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the U. S. Surveyor-General of Oregon:

- Compassman.
Robert F. Omez, Chainman.
Homer D. Angell, Chainman.
Charles L. Campbell, Chainman.
Roy J. Campbell, Chainman.
Blyde W. Riddell, Axman.
Axman.
Flagman.

Subscribed and sworn to before me, this twelfth day of September, 1899.

William C. Campbell, U. S. Deputy Surveyor.

[SEAL.]





FINAL OATH OF DEPUTY SURVEYOR.

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Wm E. Campbell,

I, George R. Campbell, United States Deputy Surveyor, do solemnly swear that in pursuance of instructions received from Robert A. Habersham, U. S.

Surveyor-General for Oregon, bearing date of the twenty-third day of March, 1899, I have well, faithfully, and

truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor-General for Oregon, the Manual of Surveying Instructions, and the laws of the United States, surveyed

all those parts or portions of the exterior boundaries of Township No. 5 north, range No. 38 east,

Willamette Meridian, in the State of Oregon, which are represented in the foregoing field notes as having been surveyed by me and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions and the special written instructions of the U. S. Surveyor-General for Oregon, and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury, under the provisions of an act of Congress approved August 8, 1846.

William E. Campbell  
George R. Campbell

U. S. Deputy Surveyor.  
Wm E. Campbell

Subscribed by said George R. Campbell, U. S.

Deputy Surveyor, and sworn to before me this 11th day of October, 1899.

By Wm E. Campbell  
Deputy Clerk

Ex officio Clerk of the Circuit Court



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Office of U. S. Surveyor-General,

PORTLAND, OREG.,

June 30, 1899

The foregoing field notes of the survey of the *Re East and*

*South* - part of the North and West boundaries of Tr 5 N. R.

38 East Will Iber Oregon

executed by *Wm C. and Geo. R. Campbell*  
U. S. Deputy Surveyors

under his contract No. *699*, dated *February*

*9th* and *under Supplemental Special Instruction*  
*dated March 23 1899*

, 1899, having been critically examined,

and the necessary corrections and explanations made, the said field

notes and the surveys they describe, are hereby approved.

*Robert A. Habershon*

U. S. Surveyor-General.