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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*, 1899, *under supplemental*  
*special instructions dated March 25*  
*1899*

Survey commenced *July fourteenth*, 1899

Survey completed *August eleventh*, 1899

## 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.]



# INDEX

REFERRING THE LINES TO THE PAGES OF THE FIELD NOTES.

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

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>th</sup> & 39<sup>th</sup> E.

At point 700 ft. below the last cor. cor. of the standard cor. of T. 5 N., R. 38<sup>th</sup> & 39<sup>th</sup> E., a pine 62 ins. diam. marked and 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 and fir.

Undergrowth, pine, fir, sheppard & 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.



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

Chains: Ascending over steep, bluffy ground, very difficult to chain, through widely scattering timber; hill bears N. E. & S. W.

15.00 Top of rise; descend across cañon.

21.50 Bottom of cañon, 500 ft. deep; course S. 60° E.; ascend.

29.00 Top of rise; then descend over broken ground.

40.00 Placed 1/4 sec. cor., a basalt stone 10 x 8 x 5 ins. above ground, marked & witnessed as described by the surveyor-general.

66.20 Bottom of cañon; stream, 3 lbs. wide, runs S. E.; ascend steep, along hill; bears N. W. & S. E.

80.00 At point 1,900 ft. above the Sp. cor.; falls on a rock in place, a ledge of basalt, on which I cut a cross (x) at the exact cor. point for cor. of lvs. 25, 30, 31 & 36, marked with 5 notches on N. & 1 notch on S. edges; from which

A pine, 38 ins. diam., bears N. 52° E., 2 chs. and 3 lbs. dist., marked T. 5 N., R. 39 E., S. 30, B. D.;

A fir, 27 ins. diam., bears S. 15 1/2° E., 2 chs. and 31 lbs. dist., marked T. 5 N., R. 39 E., S. 31, B. D.;

A pine, 36 ins. diam., bears N. 16° W., 2 chs. and 2 lbs. dist., marked T. 5 N., R. 38 E., S. 25, B. D.

No tree in limit S. W.; I raised a mound of stone 2 ft. diam., 1 1/2 ft. high, S. W. of cor. Pit imperceptible.



Resurvey of the E. ldy. of D. 5 N., R. 38 E. - Tt.; Continued.

Chains: From this cor. the old sur. cor., a basalt stone  $14 \times 13 \times 6$  ins., marked & witnessed as described by the surveyor-general, bears  $N. 5^{\circ} 40' E.$ , 1 ch. 51 lbs. dist.; I destroy all traces of this old sur. cor. Land, mountainous.

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

Timber, scattering pine & fir.

Undergrowth, pine, fir, chaffanal, willow & bunchgrass.

Mountainous land, 80.00 chs.

July 20: At 9<sup>h</sup> 10<sup>m</sup>, a.m., l.m.t., I set off  $45^{\circ} 52' 30''$  on the lat. arc;  $20^{\circ} 35' N.$  on the decl. arc and determine a true meridian by the solar at the cor. of sur. 25, 30, 31 & 36.

Thence I run

North, bet. sur. 25 & 30.

Ascending over steep, stony ridges; bears E. & W.

7.00 Top of ridge; descend through timber; trail on ridge.

40.00 Falls on a rock in place  $6 \times 4 \times 4$  ins. above ground on which I

cut a cross (x) at the exact cor. point for "4 sur. cor.; marked "4 on W. face, from which

A fir, 10 ins. diam., bears  $S. 70^{\circ} E.$ , 38 lbs. dist., marked "4 S. 30, B.D.;

A fir, 12 ins. diam., bears  $N. 70^{\circ} W.$ , 88 lbs. dist., marked "4 S. 25, B.D.



## Resurvey of the E. leg. T. 5 N., R. 38 E., T. - Continued.

Chains: From this cor. the old <sup>a basalt stone</sup> 114 sur. cor., 18 x 14 x 4 ins., marked <sup>and</sup> witnessed as described by the surveyor-general, bears N. 1 ch. 88 lbs. dist.; I destroy all traces of this old cor.

66.63 Bottom of cañon 800 ft. deep; branch, 15 lbs. wide, runs S. E. - tributary to the South Fork of Walle Walle river. Ascend steep, bluffy hill, through crattering timber.

80.00 At point 600 ft. below the sur. cor. <sup>and</sup> set a basalt stone 15 x 8 x 6 ins. 10 ins. in the ground, for cor. of bers. 19, 24, 25 <sup>and</sup> 30, marked with 4 notches on N. and 2 notches on S. edges; <sup>and</sup> raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. Pits imperceptible.

From this cor. the remains of the old sur. cor., a broken basalt stone with mound of stone, bears N. 2 chs. 30 lbs. dist.; I destroy all traces of this old cor.

Land, mountainous.

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

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

Undergrowth, chaparral, pine, fir, bushberry, willow <sup>and</sup> bunchgrass.

Mountainous land, 80.00 chs.

North, bet. bers. 19 <sup>and</sup> 24.



## Resurvey of the E. bef. I. 5 N., R. 38 E. str., Continued.

Chains: A trending steep, bluff mountain through scattering timber; bears N. W. and S. E.

40.00 No 14 cor. was established on E. bef. of sec. 24 at the time of original survey; I set an ironstone 15 x 12 x 5 ins. 10 ins. in the ground, for 14 cor., marked 14 on W. face, and raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. Pts imperishable.

I by sun cast at 12 M.; observation for latitude not possible.

July 20, 1899.

July 21: At 7<sup>h</sup> 16<sup>m</sup>, a.m., l.m.T., I set off  $45^{\circ} 54'$  on the lat. arc;  $20^{\circ} 26' N.$  on the decl. arc, and determine a true meridian by the solar at this 14 cor.

80.00 At point 2,800 ft. above the last cor. and set a basalt stone 24 x 16 x 12 ins. 18 ins. in the ground, for cor. of secs. 18, 18, 19 and 24, marked with 3 notches on N. and S. edges, from which

A pin, 28 ins. diam., bears N.  $75^{\circ} E.$ , 23 lbs. dist., marked I. 5 N., R. 39 E., S. 18, B. D.;

A pin, 40 ins. diam., bears S.  $20^{\circ} E.$ , 36 lbs. dist., marked I. 5 N., R. 39 E., S. 19, B. D.;

A pin, 20 ins. diam., bears S.  $37^{\circ} W.$ , 70 lbs. dist., marked I. 5 N., R. 38 E., S. 24, B. D.;

A pin, 20 ins. diam., bears N.  $85^{\circ} W.$ , 46 lbs. dist.,



Resurvey of the E. half, T. 5 N., R. 38 E., S. 13, B. D. - Continued.

Chains: marked T. 5 N., R. 38 E., S. 13, B. D.

From this cor. the old sur. cor., a basalt stone  
10 x 10 x 6 ins. above ground, marked and  
witnessed as described by the surveyor-general,  
bears N. 2 ch. 50 ths. dist.; I destroy all  
trees of this old sur. cor.

Land, mountainous.

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

Timber, fir, pine, tamarack, spruce and hemlock.

Undergrowth, fir, pine, chapparel, hemlock,  
spruce, willow and bunchgrass.

Mountainous land, 80.00 chs.

North, bet. sur. 13 and 18.

Descending along east slope of mountain  
through scattering timber.

40.00 Set a basalt stone 15 x 12 x 6 ins. 10 ins. in the  
ground, for 1/4 sur. cor., marked 1/4 on W. face;  
and raise a mound of stone 2 ft. base, 1 1/2 ft. high,  
W. of cor.; Pits imperceptible.

No trace of the old 1/4 sur. cor. can be found.

42.75 Stream, 2 ths. wide, runs E.; crossed through  
heavy, partially deadened timber.

80.00 At point 100 ft. below the last sur. cor. set a  
basalt stone 15 x 10 x 8 ins. 10 ins. in the ground,  
for cor. of sur. 7, 12, 13 and 18, marked with 2  
notches on N. and 4 notches on



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

Chains: S. edges and raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.  
From this cor. the old cor., a basalt stone 18 x 12 x 8 ins., marked and witnessed as described by the surveyor-general, bears N. 2.50 ch. dist.; I destroy all traces of the old cor.

Land, mountainous.

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

Timber, partially deadened pine, fir, hemlock, and spruce.

Undergrowth, pine, fir, chaparral, hemlock, spruce, huckleberry, willow and bunchgrass.

Mountainous land, 80.00 ch.

North, bet. secs. 7 and 12.

Along E. slope of mountain, through scrubby, deadened timber.

20.00 Summit of divide between North and South Forks of the Walla Walla river; bears N. 10° E. and S. 10° W.; trail; same bearing.

40.00 Set a basalt stone 18 x 10 x 8 ins. 13 1/2 ins. in the ground, for 1/4 hr. cor., marked 1/4 or W. 100, from which

A spruce, 18 ins. diam., bears S. 57° E., 25 ch. dist., marked 1/4 S. 7, B. D.;

A spruce, 3 ins. diam., bears S. 70° W., 47 ch. dist., marked 1/4 S. 12, B. D.



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

Chains: The old  $\frac{1}{4}$  sec. cor., a basalt stone  $18 \times 12 \times 7$  ins., marked and witnessed as described by the surveyor-general, bears  $N. 3^{\frac{1}{2}}^{\circ} W.$ , 3 chs. and 10 lbs. dist.; I destroy all trace of the old cor.

July 21: At this point I set off  $20^{\circ} 24' 30'' N.$  on the decl. arc, and, at  $12^{\text{h}} 05^{\text{m}}$  p. m., (C.M.T.) observe the sun on the meridian; the resulting latitude is  $45^{\circ} 55' 30''$ , the correct lat. nearly. I hence along W. slope of divide.

67.49 Stream, 6 lbs. wide, runs S. W.

80.00 A point 100 ft. above the last sec. cor. and set an ironstone  $20 \times 14 \times 6$  ins.  $15$  ins. in the ground; for cor. of secs. 1, 6, 7 and 12, marked with 1 notch on N. and 5 notches on S. edges, for which  
 A fir, 30 ins. diam., bears  $N. 25^{\circ} E.$ , 1 ch. and 29 lbs. dist., marked T. 5 N., R. 39 E., S. 6, B. D.;  
 A fir, 34 ins. diam., bears  $S. 26^{\circ} E.$ , 95 lbs. dist., marked T. 5 N., R. 39 E., S. 7, B. D.;  
 A fir, 24 ins. diam., bears  $S. 88^{\circ} W.$ , 58 lbs. dist., marked T. 5 N., R. 38 E., S. 12, B. D.;  
 A fir, 46 ins. diam., bears  $N. 5^{\circ} W.$ , 90 lbs. dist., marked T. 5 N., R. 38 E., S. 1, B. D.

From this cor. the old sec. cor. a basalt stone  $20 \times 11 \times 8$  ins., marked and witnessed as described by the surveyor-general, bears  $N. 3^{\circ} W.$ , 2 chs. and 80 lbs. dist. I destroy all trace of the old cor.



Resurvey of C. Sec. 9. 5 N., R. 38 E., etc. - Continued.

Chains: Land, mountainous.

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

Timber, pine, fir, hemlock and spruce.

Undergrowth, pine, fir, hemlock, spruce, willow & brushy grass.

Mountainous land, 80.00 chs.

North, bet. sec. 1 & 6.

Descending through timber.

40.00. Set a basalt stone  $20 \times 14 \times 8$  ins. 15 ins. in the ground, for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face; from which  
A fir, 38 ins. diam., bears S.  $60^\circ$  E., 8 lbs. dist., marked  $\frac{1}{4}$  S. C., B. I.;

A fir, 24 ins. diam., bears N.  $55^\circ$  W., 26 lbs. dist., marked  $\frac{1}{4}$  S. 1, B. I.

From this cor. the old  $\frac{1}{4}$  sec. cor., an alder post, bears north 3 chs. 22 lbs. dist.; I destroyed all trees of the old cor.

44.22 Foot; North Fork of Walla Walla river, 10 lbs. wide, runs W.

57.62 Branch, 6 lbs. wide, runs S. W.; curved; hill bears N. E. & S. W.

80.22 Top of rise or divide bet. Mill creek and Walla Walla river; with trail or ridge, bears E. & W.; descend into Mill creek basin.

93.47 A point about level with last sec. cor. & the closing cor. of 9. 5 N., R. 38 & 39 E., a post 4 in. dia., 30 ins. above ground, marked & witnessed as described by the surveyor-general.

Land, mountainous.

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

Timber, pine, fir, tamarack, spruce & hemlock.

Undergrowth, pine, fir, chapparal, spruce, hemlock, alder,



Resurvey of E. ldy. T. 5 N., R. 38 E., etc. - Concluded.

Chains: huckleberry, willow, cypress, pine & bunchgrass.  
Mountainous land, 93.47 ch.

July 21, 1899.

Retirement of part of W. ldy. T. 5 N., R. 38 E.

From the cor. of T. 5 N., R. 37 & 38 E., before described, I run north on a blank line, W. ldy. of sec. 31; at 40.00 ch.

the 1/4 sec. cor. bears E. 75 lbs. dist.; & at 79.75 ch. the cor. of secs.

25, 30, 31 & 36 bears E. 1 ch. 40 lbs. dist. Therefore I continue my line north & find no further trace of original survey; or evidence that this part of the W. ldy. has ever been surveyed.

At 4 miles, 6 ch., 28 lbs. intersect S. ldy. of sec. 7, 4 ch. 33 lbs.

E. of the cor. of secs. 7, 12, 13 & 18. The field-notes furnished by the surveyor-general do not correctly describe the topography of the county; giving location of the Walla Walla river 32.25 ch. south of its true position.

Therefore I establish this part of W. ldy. as follows:

August 5: At 8<sup>h</sup> 3<sup>m</sup>, a.m., l.m.t., I set off  $45^{\circ}51'50''$  on the lat. arc;  $16^{\circ}55'N.$  on the decl. arc, & determine a true meridian by the solar at the cor. of T. 5 N., R. 37 & 38 E.

Thence I run

N.  $1^{\circ}04'E.$ , bet. secs. 31 & 36.

Over gently rolling ground through heavy timber.

13.50 Old logging road; bears N.  $60^{\circ}E.$  & S.  $60^{\circ}W.$

19.50 Old logging road; bears N.  $40^{\circ}W.$  & S.  $40^{\circ}E.$

40.00 The 1/4 sec. cor.; a post marked & witnessed as described by the surveyor-general. Thence I run



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.

45

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. Habersham*

U. S. Surveyor-General.