

AL

1

FIELD NOTES

RECEIVED AND FILED.

Of the ^{re} survey of the ^{re} 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

Township No. 5 north Range No. 38 east Will. Mer.

			35	36	37	39		
	6	5	34	4	3	2	1	23
	7	8	32	9	10	11	12	21
27	18	17	16	15	14	13		20
26	19	20	21	22	23	24		18
25	30	29	28	27	26	25		17
24	31	32	33	34	35	36		14 15
	2	2	2	2	2	1-2		
	2	5	7	9	11	13		

Meanders of Pages to

Meanders of Pages to



1C

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., etc., continued
 cor. of T. 4 N., R. 38rd & 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. 37rd 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. 37rd &
 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^m, 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 E. ldy. T. 5 N., R. 38 E., etc. - Concluded.

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

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 chs.

the 1/4 sec. cor. bears E. 75 lbs. dist.; & at 79.75 chs. 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 chs., 28 lbs. intersect S. ldy. of sec. 7, 4 chs. 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 country; giving location of the Walla Walla river 32.25 chs. south of its true position.

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

August 5: At 8^h 3^m, 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

Resurvey of part of W. bdy. T. 5 N., R. 38 E.; Continued.

Chains: N. $0^{\circ}56'$ E., bet. subs. 31 & 36.

Descending north slope.

50.00 Steeper descent; dense undergrowth.

51.50 Spring. Run N E

79.75 At point 500 ft. below the Sp. cor. & the cor. of subs. 25, 30, 31 & 36, a post, marked & witnessed as described by the surveyor-general.

Land, gently rolling & hilly.

Soil, part arable; light & gravelly loam; 2^d, 3^d & 4th rates.

Heavily timbered with pine, fir & tamarack.

Undergrowth, pine, fir, tamarack, sheppard, huckleberry, willow & bushy grass.

Heavily timbered land, 79.75 chs.

N. $1^{\circ}20'$ W., on W. bdy. of sec. 30.

Descending through heavy timber & dense undergrowth; hill bears N. E. & S. W.

30.00 Enter scattering timber.

40.00 At point 650 ft. below the sec. cor. & set a basalt stone $20 \times 10 \times 6$ ins. 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., W. bdy. of sec. 30, marked $\frac{1}{4}$ on W. face; & raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits imperceptible.

45.00 Steeper descent through heavy timber; bears E. & W.

80.00 At point 1.000 ft. below the $\frac{1}{4}$ sec. cor. & set an iron stone $18 \times 16 \times 12$ ins. $13\frac{1}{2}$ ins. in the ground, for cor. of subs. 19 & 30, marked with 4 notches on N. & 2 notches on S. edge, from which a pin, 18 ins. diam., bears N. 46° E., 97 chs. dist.,

Resurvey of part of W. ldy. T. 5 N., R. 38 E. - Continued.

Chains: marked T. 5 N., R. 38 E., S. 19, B. I.;
A fir, 30 ins. diam., bears S. 39° E., 66 lbs. dist.,
marked T. 5 N., R. 38 E., S. 30, B. I.

Land, mountainous.
Soil, gravelly and stony; 3rd and 4th rates.
Timber, pine, fir, tamarack and spruce.
Undergrowth, pine, fir, chaffard, tamarack,
spruce, alder, willow and bunchgrass.
Mountainous land, 80.00 chs.

N. 1° 20' W., on W. ldy. of sec. 19.

Descending steep base of mountain through heavy
timber and undergrowth; bears E. and W.

3.00 Foot; cross narrow bottom.

3.25 North Fork of Walla Walla river, 75 lbs. wide, flows
S. 50° W.

7.00 Deep bottom and across steep, stony hill; through
widely scattering timber; hill bears E. and W.

40.00 At point 900 ft. above the sec. cor. and set a basalt
stone 24 x 14 x 4 ins. 18 ins. in the ground, for 1/4 sec. cor.
W. ldy. of sec. 19, marked 1/4 on W. face; and raise a
mound of stone 2 ft. diam, 1 1/2 ft. high, W. of cor.
Pits impracticable.

50.00 Steep slope eastward.

55.00 Deep ravine, course S. 30° E.; thence steep ascent
bearing E. and W.

80.00 At point 1,000 ft. above the 1/4 sec. cor. and set a

Recovery of part of W. bdy. T. 5 N., R. 58 E., etc. - Continued.
 Chains: basalt stone 20 x 14 x 6 ins. 15 in. in the ground,
 for cor. of sec. 18 and 19, marked with 3 notches
 on N. and S. edges; and raise a mound of stone 2 ft.
 base, 1 1/2 ft. high, W. of cor. Pit imperturbable.
 Land, mountainous.
 Soil, gravelly and stony; 3rd and 4th rates.
 Timber, pine, fir and tamarack.
 Undergrowth, pine, fir, tamarack, choppard,
 alder, willow and brushgrass.
 Mountainous land, 80.00 chs.

N. 1° 20' W., on W. bdy. of sec. 18.

Ascending steep, stony hill through scattering
 timber; bears E. and W.

14.85 Stream, 8 lbs. wide, runs S. W.

17.00 Top of mountain; thence over level land through
 heavy timber.

34.00 Leave heavy timber bearing E. and W.; enter old burn
 gradually descending W. slope.

40.00 At point 650 ft. above the sec. cor. and set an
 ironstone 20 x 10 x 6 ins. 15 in. in the ground, for 1/4
 sec. cor. marked 1/4 on W. face; and raise a mound of
 stone 2 ft. base, 1 1/2 ft. high, W. of cor. Pit imperturbable.

72.68 Foot; branch, 5 lbs. wide, runs S. 80° W.; leave
 old burn and ascend through scattering timber; hill
 bears E. and W.

87.13 At point 100 ft. above the 1/4 sec. cor. and the cor.

Resurvey of part of W. ldy. T. 5 N., R. 38 E. etc. concluded.

of sec. 7, 12, 13 and 18, which is a fir post 4 in. sq., badly decayed; witness-trees dead and fallen. I set a fir post 4 ft. long; 4 in. sq., 24 in. in the ground, for cor. of sec. 7, 12, 13 and 18, marked T. 5 N., S. 7, or N. E.;

R. 38 E., S. 18, or S. E.;

R. 37 E., S. 13, or S. W. and

S. 12, or N. W. faces; with 2 notches on N. and 4 notches on S. edges, from which

A tamarack, 10 in. diam., bears N. 79° E., 21 lbs. dist., marked T. 5 N., R. 38 E., S. 7, B. D.

A tamarack, 10 in. diam., bears S. 84° E., 18 lbs. dist., marked T. 5 N., R. 38 E., S. 18, B. D.;

A tamarack, 12 in. diam., bears S. 27 1/2° W., 52 lbs. dist., marked T. 5 N., R. 37 E., S. 13, B. D.;

A tamarack, 8 in. diam., bears N. 41° W., 81 lbs. dist., marked T. 5 N., R. 37 E., S. 12, B. D.

Land, level, hilly and mountainous.

Soil, part arable; light loam, gravel and stones, 2^d, 3^d and 4th rates.

Heavily timbered with tamarack, pine and fir, 17.00 ch.

Undersawed, tamarack, pine, fir, alder, willow, pine and larches.

Mountainous and heavily timbered land, 34.00 ch.

Sky overcast at 12 M.; observation for lat. not possible

August 5, 1899.

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

46

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 Inspection*
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.