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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.]

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Resurvey

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

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

Chains: Land, mountainous.

Soil, gravelly & stony; 3rd & 4th 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 1/4 sec. cor. marked 1/4 on W. face; from which
A fir, 38 ins. diam., bears S. 60° E., 8 lbs. dist., marked 1/4 S. C., B. I.;

A fir, 24 ins. diam., bears N. 55° W., 26 lbs. dist., marked 1/4 S. 1, B. I.

From this cor. the old 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; 3rd & 4th rates.

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

Undergrowth, pine, fir, chaparral, spruce, hemlock, alder,

Resurvey of part of N. hdy. of D. 5 N., R. 38 E., W. Mo., Oregon.

Chains: Heavily timbered with pine, fir, tamarack and spruce.
Undergrowth, pine, fir, chepparel, tamarack, alder,
willow, huckleberry, cassara, pine and meadow grass.
Heavily timbered land, 83.87 chs.

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

August 10, 1899.

By deputy George B. Campbell:

From the closing cor. of sec. 3 and 4, which is a
basalt stone 12 x 12 x 7 ins. above ground, marked
and witnessed as described in the field-notes of
subdivisions returned to the surveyor-general, I run
West, on a blank line, N. hdy. of sec. 4; at 40.00 chs. set
Temp. 14 cor. N. hdy. of sec. 4; at 79.46 chs.
intersect cor. of sec. 4, 5, 32 and 33, before described.

Thence I run

East, on N. hdy. of sec. 4.

Descending "breaks" of Mill creek, through heavy
timber and undergrowth.

39.46 A point 400 ft. below the sec. cor. and set a basalt
stone 24 x 10 x 10 ins. 18 ins. in the ground, for 14 cor.
N. hdy. of sec. 4, marked 14 on N. face, from which
A fir, 24 ins. diam., bears S. 7° E., 23 chs. dist.,
marked 14 S. 4, B.D. Thence descend ravine.

60.00 Same ravine.

79.46 A point 600 ft. below the 14 cor. and the closing
cor. of sec. 3 and 4, before described.

Resurvey of part of N. hwy. of G. S. N., R. 38 & 6. - Continued.

Lehins: Land, rolling and hilly.

Soil, gravelly and stony; 2^d and 3rd rates.

Heavily timbered with pine, fir, tamarack and spruce.
Undergrowth, pine, fir, tamarack, spruce, alder,
willow, huckleberry and pine-grass.

Heavily timbered land, 79.46 chs.

Note: No trace of the old 1/4 sec. cor. can be found and because of the great discrepancy in the original survey of this boundary discovered by the position of the cor. of secs. 35 and 36, which is the only cor. I have been able to find that is described by the surveyor-general, I am unable, without going beyond the bounds of my work, to reestablish the cor. pertaining to many north and give the resultant connections therewith.

Day was overcast at 12 M.; observations for lat. not possible.

August 9, 1899.

August 9: Proceeding retracement of N. hwy. of sec. 4; from the temp. closing cor. of secs. 3 and 4, I run East, on a black line, north hwy. of sec. 3; at 40.00 chs. hit temp. 1/4 sec. cor.; and at 80.04 chs. intersect the closing cor. of secs. 2 and 3, a beselt stone 12 x 12 x 5 ins. above ground, marked and witnessed as described in the field-notes of subdivisions returned to the surveyor-general.

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

Chains: Thence I run

West, on N. ldy. of sec. 3, on line of old blazes.

Descending through heavy timber; hill bears N. W. 20° S. E.

3.50 Stream, 4 lbs. wide, runs N.; crossed along the "breaks" of Mill creek; slope N. 20° E.

40.02 Set a basalt stone $36 \times 24 \times 10$ ins. 15 ins. in the ground (strike rock and place mound of stones firmly about cor.) for $1/4$ sec. cor. N. ldy. of sec. 3, marked $1/4$ on N. face, from which
A fir, 20 ins. diam., bears S. $81 \frac{1}{2}^{\circ}$ E., 10 lbs. dist., marked $1/4$ S. 3, B. 3.

80.04 A point 300 ft. above the $1/4$ sec. cor. and the temp. closing cor. of secs. 3 and 4; established as true cor. as described on page 35.

Land, rough and hilly.

Soil, gravelly and stony; 3rd and 4th S. notes.

Heavily timbered with pine, fir, tamarack and spruce.
Undergrowth, pine, fir, tamarack, spruce, ^{chaparral} shepherds, alder, willow, huckleberry and pine-grass.

Heavily timbered land, 80.04 ch.

East, on a blank line on N. ldy. of sec. 2; 40.00 ch. but temp. $1/4$ sec. cor., N. ldy. of sec. 2, on line of old blazes; thence blazes depart northward; at 79.94 ch. I fall 1 ch. S. of the closing cor. of secs. 1 and 2, a fir post, 4 ins. sq., 12 ins. above ground, marked and witnessed as described in the field notes of

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

Chains: subdivisions returned to the surveyor-general.

Thence I run

S. $88^{\circ} 24' W.$, on N. ldy. of sec. 2; on line of old blazes.

Descending "breaks" of Mill creek cañon through heavy timber and undergrowth; hill bears N. $60^{\circ} E.$ & $S. W.$

39.66 Stream, 4 lbs. wide, runs N.; ascend.

39.97 At point 1,000 ft. below the closing cor. cor. and set a basalt stone $20 \times 16 \times 4$ ins. 15 ins. in the ground, for "14 cor. cor. N. ldy. of sec. 2, marked "14 on N. fore, from which

A fir, 10 ins. diam., bears S. $80^{\circ} E.$, 19 lbs. dist., marked "14 S. 2, B.P. Thence I run

West, along line of old blazes.

78.00 Ridge; bears N.; descend.

79.94 At point 300 ft. below the "14 cor. cor. and the temp. closing cor. of sec. 2 and 3; established as true cor., a basalt stone as described on page 36.

Land, mountainous.

Soil, gravelly and stony; 3rd and 4th rates.

Heavily timbered with pine, fir, tamarack and spruce.

Undergrowth, pine, fir, tamarack, spruce,

alder, willow, huckleberry and pine grass.

Mountainous and heavily timbered land, 79.94 chs.

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

July 29, 1899.

Recovery of part of N. ldy. G. & W., R. 38 & E. Continued.

Chains: From the temp. closing cor. of sec. 1 & 2, I run East, on a blank line on N. ldy. of sec. 1; at 40.00 chs. set temp. $1/4$ sec. cor. N. ldy. of sec. 1; at 62.00 chs. set 25 lbs. S. of the cor. of sec. 35 & 36; and at 80.22 chs. intersect E. ldy. of Sp. 25 lbs. S. of the closing cor. of G. & W., R. 38 & 39 E., a post 4 in. dia. 30 in. above ground, marked and witnessed as described by the surveyor-general.

Thence I run

West, on N. ldy. of sec. 1,

Ascending gradually through heavy timber and undergrowth.

18.22 The cor. of sec. 35 & 36, a post in mound of stone, marked and witnessed as described by the surveyor-general. Thence I run

S. $89^{\circ}41'$ W., along line of old blazes; steep slope northward.

40.11 Set a fir post 3 ft. long, 3 in. dia., 24 in. in the ground, for $1/4$ sec. cor. N. ldy. of sec. 1, marked $1/4$ S. on N. face, from which
A fir 10 in. diam., bears N. 25° E., 29 lbs. dist., marked $1/4$ S. 1, B. D.;

A fir, 6 in. diam., bears S. 20° W., 11 lbs. dist., marked $1/4$ S. 1, B. D.

Note: The witness-tie north of line was deemed more permanent.

Resurvey of part of N. 1/2 Sec. 9, T. 5 N., R. 58 E. - Concluded.

Described along "breaks" of Mill creek cañon.

80.22 At point 500 ft. below the 1/4 sec. cor. of the
temp. closing cor. of lines 1st & 2, a pin post,
established as true cor. as described on page 37.

Land, mountainous.

Soil, gravelly and stony; 3rd and 4th rates.

Heavily timbered with pine, fir, tamarack and spruce.

Undergrowth, pine, fir, tamarack, spruce; alder,
willow, huckleberry, pine and huckleberry.

Mountainous and heavily timbered land, 80.22 etc.

July 28, 1899.

The latitude was taken daily, weather permitting.

The survey could not be commenced earlier
because of the unusual lateness of the season;
the depth of snow remaining in the densely timbered
regions and the misty condition of the more level
portions of the township which precluded the
possibility of transporting supplies by pack-train.

Latitudes, departures and closing error.

Latitudes. Departures.

Line designated.	True bearing.	Distance.	Latitudes.			
			N.	S.	E.	W.
First Standard Parallel N.,	S. 89° 57' E.	480.00		0.42	480.00	
East bdy. T. 5 N., R. 38 E.,	North,	493.47	493.47			
North bdy. Secs. 1, 2, 3 and 4,	West, } S. 89° 46' W., } S. 88° 34' W., } and West	319.66		1.25		319.66
North bdy. Secs. 17 and 18 - in part - West,		160.48				160.48
E. bdy. Secs. 5 and 8,	S. 1° 08' W., } South and } S. 2° 58' W.	164.91		164.91		3.70
W. bdy. Secs. 18, 19, 20 and 21,	S. 1° 20' E., } S. 0° 56' W., } S. 1° 04' W.	326.88		326.88	573	1.40

Convergence,

72

Totals, ----- 493.47 493.46 485.73 485.96

493.46 485.73

Error in lat. ----- .01 Error in dep. ----- 0.23

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Boundaries of T. 5 N., R. 38 E.

No officer authorized to administer oaths, other than ourselves, being available, without great inconvenience, delay and expense, I administered the required preliminary and final oaths.

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

This township, though to be classed generally as mountainous land, contains a very considerable amount of tillable land; scattered along the river and on the higher benches. The township is well watered, well timbered and the soil in places very fertile. The township should be subdivided.

William C. and George B. Campbell
U. S. Deputy Surveyors.

August 11, 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.

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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*, 189*9*, 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*, 189*9*.

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.