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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

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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



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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. Habershon, 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. 38nd & 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. 35th and 36;
 thereupon I continue my line west and at 165.10 chs.
 intersect the standard cor. of secs. 34th 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.
 33rd & 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. 32nd & 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. 37th 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 corner thereon reestablished
 at even distances of 40.00th and 80.00 chs.

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

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

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. 38th & 39th E.

At point 700 ft. below the last cor. cor. of the standard cor. of T. 5 N., R. 38th & 39th E., a pin 32 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 1st set, 80.09 chs;

By 2^d 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; 4th 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.

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. Habusham, 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 Sher 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.