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

FIELD NOTES

of the resurvey
Of the *O. S. & W. boundaries & Retraacements*
of S. 1/4 of Sec. 13-14-15-16-17-18.
T. 3 North R. 37 East

Willamette Meridian, Oregon,

BY

William E. Campbell

Deputy Surveyor,

UNDER

Joint Contract No. *718* dated *May 1*, 1900

Survey commenced *July 24*, 1900

Survey completed *August 29*, 1900

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Copied for Washington *3-28-1901-D*

FIELD NOTES

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

Lines of *Practical Township No. 3 North*

Range No. 37 East, Willamette Meridian, Oregon,

as surveyed by *William E. Campbell*

U. S. Deputy Surveyor, under his ^{joint} contract No. *718*

dated *May first*, 1900.

Survey commenced *July 24th*, 1900.

Survey completed *August 29th*, 1900.

NAMES AND DUTIES OF ASSISTANTS.

Charles L. Campbell, Chainman.

Boz J. Campbell, Chainman.

_____, Chainman.

_____, Chainman.

Charles L. Campbell, Axman.

Boz J. Campbell, ~~Axman.~~ ^{Moynihan.}

_____, Flagman.

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Charles L. and

Roy J. Campbell

do solemnly swear that we will faithfully execute the duties of chainmen; 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 Exterior

lines of fractional Township No. 3 North, Range No. 37 East, Willamette Meridian, Oregon.

Charles L. Campbell, Chainman.

Roy J. Campbell, Chainman.

Chainman.

Chainman.

Subscribed and sworn to before me this Twenty-sixth

day of July, 1900.

William E. Campbell

U. S. Deputy Surveyor

[SEAL.]

WE, Charles L. and

and

Roy J. Campbell

do solemnly swear that we will well and truly perform the duties of axmen, mound men, and flagman in the establishment of corners and other duties, according to instructions given us, and to the best of our

skill and ability, in the survey of the Exterior lines of

fractional Township No. 3 N., Range No. 37 East, Willamette Meridian, Oregon.

Charles L. Campbell, Axman.

Roy J. Campbell, Moundman.

Axman.

Flagman.

Subscribed and sworn to before me this Twenty-sixth

day of July, 1900.

William E. Campbell

U. S. Deputy Surveyor

[SEAL.]

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REFERRING THE LINES TO THE PAGES OF THE FIELD NOTES.

South half of
 Township No. 3 North, Range No. 37 East, Will. Mer.

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Boundaries of the south half of T. 3 N., R. 37 E.

Latitudes, departures & closing areas.

Line designated as	True bearing.	Distance.	Latitudes —		Departures —	
			N.	S.	E.	W.
S. half T. 3 N., R. 37 E.,	W. $\frac{1}{2}$ N. 89° 40' W.	478.99	1.84			478.99
W. half of S. half Tp.	N. 1° 42' W. $\frac{1}{2}$ N.	235.00	235.00			1.25
S. half of same: ^{13, 14, 15, 16} _{17 & 18,}	Irregular	481.88	1.66		481.88	
E. half of S. half Tp.	Irregular	238.00		238.00		1.35
Closing						36
			238.50			481.95
			238.00			481.88
	Error in lat.		.50		Error in Df.	.07

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Re-survey of the S. ldy. of T. & N., R. 37 E., Will. Mer., continued.

25.75 Top of point - N. 20° E.

August 10: At this station I set off 15° 38' N. on the decl. arc, and at 5³⁰ p. m., l. m. t., observed the sun on the meridian; the resulting lat. is 45° 41' 30". Descend across hollow.

29.25 Grot; ravine, course N. 20° E.; steep ascent; bears N.W. & S.E.

40.00 A point 600 feet above the sec. cor., just E. of summit of divide, and set a basalt stone 12 x 10 x 5 ins. 8 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, from which

A fir, 12 ins. diam., bears N. 50° E., 66 lbs. dist., marked 1/4 S. 31, B. D.

Find no trace of the old 1/4 sec. cor. described by the surveyor - general as a fir post on E. descent from which

A spruce, 4 ins. diam., bore N. 64° E., 10 lbs. dist. and

A willow, 5 ins. diam., bore S. 15° E. 28 lbs. dist.

41.75 To see timber and undergrowth; bears N.W. and S.E. and thence across grassy opening on summit of divide bet. branches of Tematilla river.

42.30 Trail to "Eight Mile Ridge"; bears S.E. - S. & N.W.

43.00 Descend gradually.

45.00 Stock trail; bears N. 10° E. and S. 10° W.

47.50 Enter timber and undergrowth; bears N. 20° W. and S. 20° E.

51.25 Grot; ascend gradually through heavy timber.

57.85 Top of rise or ridge; cross narrow opening; bears N.W. and S.E.

58.50 Stock trail; bears N.W. and S.E.

60.00 Enter timber and dense undergrowth; bears N.W. and S.E.

60.50 Descend gradually.

Resurvey of the S. ldy. of T. 3 N., R. 37 E., Will. Mer. - Concluded.

80.34 A point about level with the $\frac{1}{4}$ sec. cor. $\frac{2}{3}$ of the cor. of T. 3 N., R. 36 $\frac{2}{3}$ & 37 E., which is the stump of a fir, 36 ins. diam., (not a post as stated in the field notes furnished me) marked & witnessed as described by the surveyor-general.

Land, nearly level & mountainous.

Soil, part creble; sandy loam, gravel & stone; 2^d, 3^d & 4th notes.

Heavily timbered with pine, fir, tamarack, spruce, alder & birch, 54.69 chs.

Densely overgrown with pine, fir, tamarack, spruce, alder, willow, birch, cypress, elder, huckleberry, thimbleberry, pinegrass, fern, rosebrier & brushgrass, 48.09 chs.

Mountainous, heavily timbered, on lands covered with dense undergrowth, 80.34 chs.

Good pasture land. August 10, 1900.

Resurvey of the W. ldy. T. 3 N., R. 37 E., Will. Mer.

Note: Failing to close random line bet. secs. 30 & 31, as stated in field notes of survey of subdivisions, page 48, I retrace W. ldy. of sec. 31, north from S.W. cor. of Tp. $\frac{2}{3}$ at 40.00 chs. set temp. $\frac{1}{4}$ sec. cor.; at 40.64 chs. intersect the old $\frac{1}{4}$ sec. cor., as determined by the two witness-trees described by the surveyor-general, post missing; at 80.00 chs. set temp. cor. of secs. 30 & 31 $\frac{2}{3}$ at 82.35 chs. fall 1 ch. 25 lbs. E. of the cor. of

FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by William E. 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 Coctior lines of fractional Township No. 3 N., Range No. 37 East, Willamette Meridian, Oregon, showing the respective capacities in which they acted :

- Charles L. Campbell, Chainman.
Roy J. Campbell, Chainman.
Charles L. Campbell, Chainman.
Roy J. Campbell, Chainman.
Charles L. Campbell, Axman.
Roy J. Campbell, Axman Moundman
Flagman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted William E. Campbell, U. S. Deputy Surveyor, in surveying all those parts or portions of the Coctior lines of fractional Township No. 3 N., Range No. 37 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 :

- Charles L. Campbell, Chainman.
Roy J. Campbell, Chainman.
Charles L. Campbell, Axman.
Roy J. Campbell, Moundman Axman
Flagman.

Subscribed and sworn to before me, this thirtieth day of August, 1900

William E. Campbell
U. S. Deputy Surveyor

[SEAL.]

FINAL OATH OF DEPUTY SURVEYOR.

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I, William E. Campbell, United States

Deputy Surveyor, do solemnly swear that in pursuance of instructions received from Robert A. Heabushane, U. S.

Surveyor-General for Oregon, bearing date of the seventh

day of May, 1900, 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 lines of fractional Township No. 3 North, range No. 37 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

U. S. Deputy Surveyor.

Subscribed by said William E. Campbell, U. S.

Deputy Surveyor, and sworn to before me this twenty eighth

day of December, 1900

Alvin E. Lake

County Clerk ex officio
clerk of the Circuit Court.

Office of U. S. Surveyor-General,

PORTLAND, OREG., *March 28*, 190*1*

The foregoing field notes of the ^{Re} survey of the *East Sound*
and West boundaries and the
Retracement of South boundaries
of Secs. 13-14-15-16-17+18. of
Township 3 N. R. 37 E Will Met Co
 executed by *William E. Campbell*
U. S. Deputy Surveyor
 under his contract No. *718*, dated *May 1*.

....., 190*1*, 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.