

RECEIVED AND FILED 255

this 3 day of April 1907

U. S. Surveyor General for Oregon.

FIELD NOTES

Platted
J
Of the Exterior Retracumunt of Subdivisions Lines of

Township 24, Range 26, E.

Willamette Meridian, Oregon,

BY

Charles L. Campbell
Deputy Surveyor,

UNDER

Joint Contract No. 733 dated March 1901

Survey commenced July 2, 1901

Survey completed July 4, 1901

Platted

Copied for Washington Feb 7 1903 by W. W. W. W.

FIELD NOTES

Of the survey of the *Exterior*
Retracement of Subdivisional

Lines of *Township No. 2 North,*

Range No. 36 East, Willamette Meridian, Oregon,

as surveyed by *Charles L. Campbell*

U. S. Deputy Surveyor, under his ^{*joint*} contract No. *783*

dated *March 22*, 190*1*.

Survey commenced *July 3*, 190*1*.

Survey completed *July 4*, 190*1*.

NAMES AND DUTIES OF ASSISTANTS.

Clyde W. Biddell, Chainman.

Ray J. Campbell, Chainman.

....., Chainman.

....., Chainman.

W. A. Burt Campbell, Axman.

....., Axman.

....., Flagman.

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Blyde W. Biddell 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 ^{retracement} ~~survey~~ of the subdivision and exterior lines of Township No. 2 North, Range No. 36 East, Willamette Meridian, Oregon.

Blyde W. Biddell, Chainman.
Roy J. Campbell, Chainman.
_____, Chainman.
_____, Chainman.

Subscribed and sworn to before me this Third day of July, 1901

[SEAL.] Charles L. Campbell
U. S. Dept. Sur.

WE, W. A. Burl Campbell

and _____ 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 ^{retracement} ~~survey~~ of the subdivision and exterior lines of Township No. 2 North, Range No. 36 East, Willamette Meridian, Oregon.

W. A. Burl Campbell, Axman.
_____, Axman.
_____, Flagman.

Subscribed and sworn to before me this Third day of July, 1901

[SEAL.] Charles L. Campbell
U. S. Dept. Sur.

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Meanders of Pages to

Retraciments of Sub. Lines of T. & N., R³⁶E.

Survey commenced July 8, 1901. and executed with an improved Gurley solar compass, No. 210. The horizontal limb is provided with two 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 and declination arcs.

The instrument was examined, tested on the true meridian at The Dalles, Oregon, found correct and was approved by Chas. A. Schuyt, C. E., May 20, 1901. under authority given

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Retractions of Sub. Line of T. N. R. 36 C. - Con.

him by the surveyor general for Oregon, May 7, 1907.

I examined the adjustments of the instrument and find no level or collimation errors; then to test the solar apparatus by comparing its indications resulting from solar observations made during a. m. and p. m. hours, with a true meridian determined by observations on Polaris I proceed as follows:

At my old camp about 2 Troches. E. of the S. H. cor of T. N. R. 37 C., latitude $45^{\circ} - 41'$; longitude $118^{\circ} - 14'$ W., at 5-10 p. m., l. m. t., I set

Retraciments of Sub. Line of T. N. R. 36 E. - Con.

off $45^{\circ} 41'$ on the
lat. arc; $22^{\circ} 59'$
N. on the decl.
arc and determine
a true meridian
with the solar
in the true
meridian estab-
lished from Polaris
observations at
this station by
me June 20, 1901
and described
heretofore. The
meridian deter-
mined by solar
observations this
day falls 0.3 in
east of the
true meridian
established by the
Polaris observations
July 3, 1901.

July 4: At $7-10$ ^{h m}
a. m., l. m. t., I set

Retraciments of Sub Line T. N. R. 36 E. - Con.

off $45^{\circ} 41'$ on the
lat. arc; $22^{\circ} 56' N.$
on the decl. arc;
and determine
a true meridian
with the solar
and mark a point
thereof on the stone
already set 5.00 chs.
N. of Dry station.
This point falls
0.5 in. west of the
true meridian
established by
Polaris observations.

The solar ap-
paratus by a.m.
and p.m. obser-
vations define
positions for true
meridians, respec-
tively $0^{\circ} 10''$ east
and $0^{\circ} 26''$ west
of the meridian
established by the
Polaris observations;
therefore, I con-

Retraciments Sub. Line T. & N. R. & C. - Con.

clude that the adjustments of the instrument are satisfactory.

I commence at the cor. of sec. 13 and 24 on the E. bdy. of T. & N. R. & C. described heretofore.

Thence I run N. 89° 56' W. on S. bdy. of sec. 13.

Ascend steep W. slope of mountain through heavy timber and dense undergrowth.

9.75
9.75

Foot of mountain 150 ft. below sec. cor.

9.80
9.80

S. Fork Umatilla River, 15 lbs. wide, swift current, stony bottom, course N. 10° E.

11.50
11.50

Ascend steep E. slope of mountain.

Retracumute Sub-Line F. & M. R. & C. - Con.

21.25 Enter scattering
timber bears N and
S.

39.50 More gradual
ascend!

40.40 Intersect the old
 $\frac{1}{4}$ sec. cor. which
is a basalt stone,
6 x 10 x 5 in. above
ground, marked
and witnessed
as described by
the surveyor Gen.
ral.

51.70 Spring branch, 3
lks. wide, in
ravine 50 ft deep
course N. E.
Through very dense
thicket of Fir
Tamarack and pine

67.50 Enter scattering
timber bears N.
and S.

80.00 Intersect closing
cor. of sec. 13 and
14 established by

Reconnaissance Sub. Line T. & N., R. & C. - Con.

81.45

run June 25, 1907.

81.45

Intersect cor of
secs. 23 and 24
described heretofore.
Land, mountainous.
Soil, stony and
loam; rd and end
rate.

Timber, pine, fir,
spruce, larch,
cottonwood and
tamarack.

Undergrowth, yew,
mountain laurel,
huckle berry and
small fir.

Mountainous land,
81.45 ch.

From the cor. of secs.
22 and 23 described
heretofore

I run

S 89° 43' W. bet. secs. 15
and 22 on old line.
Over plateau through

Reconnaissance Sub-Line T. & N., R. 26 C. - Con

- scattering timber.
- 1.00 Summit of divide bet. Maachum Creek and Unatilla Tributaries, bare N. and S. descend.
- 4.00 Steeper descent.
- 40.18 Intersect old $\frac{1}{4}$ sec. cor. which is a stone, loosely set, marked as described by the surveyor general. No trace of a fir, described as a bearing tree could be found. I visit the stone at the same point and, Raise mound of stone, 2 ft. base $4\frac{1}{2}$ ft. high, N. of the cor. Pits impracticable.
- 63.00 Enter heavy timber and spruce growth, bare N. and S.
- 65.45 Foot of mountain, 500 ft. below ridge,

Retracante Sub. Line T. & M., R. 26 E. - Con.

bears N. 10° W.

River Creek, 100 yds.
wide, swift current,
sandy bottom, course
N. 10° W.

Ascend steep E. slope
of mountain.

7 6.00 Summit of divide,
300 ft. high, bears
N. and S.

Enter scattering
timber bears N and
S descend.

7 8.23 Intersect the closing
cor. of sec. 15 and 16
established by me
June 29, 1901.

8 0.18 Intersect the old cor.
of sec. 21 and 22,
described heretofore.
Land, mountainous.
Soil, loam and stony,
and and red ralt.
Timber, pine, fir,
lamarack, spruce
yew and alder.
Blind growth, small

Retracumate Sub. Line T. & N., R. 36 E. - Con.

fire, mountain laurel, huckle berry vine maple and wild cherry.

Mountainside sand, 80.15 chs.

Overcast at noon prevented taking the latitude.

July 4, 1901.

From the cor. of secs. 33 and 34 on the north side of T. & N., R. 36 E., described heretofore,

I run West bet. secs. 4 and 33 on blank line.

Around through heavy timber, along steep N. slope of hill.

13.90 Ravine, 100 ft. deep, course N. 60° E.

Around steep E. slope of ridge

14.00 Leave heavy timber.

FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by Charles L. Campbell

Campbell, U. S. Deputy Surveyor; to assist in running,

measuring, and marking the lines and corners described in the foregoing field notes of the

retracement of the subdivisional

surveys of the *and exterior* lines of Township No. 2 North,

Range No. 36 East, Willamette Meridian, Oregon,

showing the respective capacities in which they acted:

-, Compassman.
- Blyde W. Riddell....., Chainman.
- Roy J. Campbell....., Chainman.
-, Chainman.
-, Chainman.
- W. A. Burr Campbell....., Axman.
-, Axman.
-, Flagman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted Charles L. Campbell

Campbell, U. S. Deputy Surveyor, in *retracing* all

those parts or portions of the *subdivision lines*

and exterior of Township No. 2 North,

Range No. 36 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.
- Blyde W. Riddell....., Chainman.
- Roy J. Campbell....., Chainman.
-, Chainman.
-, Chainman.
- W. A. Burr Campbell....., Axman.
-, Axman.
-, Flagman.

Subscribed and sworn to before me, this fourth day

of July, 1897

[SEAL.]

Charles L. Campbell
U. S. Dept. Surveyor.

FINAL OATH OF DEPUTY SURVEYOR.

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I, Charles L. Campbell, United States

Deputy Surveyor, do solemnly swear that in pursuance of instructions

received from Robert A. Habershaw, U. S.

Surveyor-General for Oregon, bearing date of the Third

day of April, 1902, 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 exterior & subdivision lines of Township No. 2 North, Range No. 36 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.

Charles L. Campbell
U. S. Deputy Surveyor.

Subscribed by said Charles L. Campbell, U. S.

Deputy Surveyor, and sworn to before me this 8th

day of February, 1902

Lee Lee
County Clerk

Office of U. S. Surveyor-General,

PORTLAND, OREG., *March 4*, 1903*Retracement*The foregoing field notes of the ~~survey~~ of *the* *a portion**of the North Body & the Sub.**divisional lines bet Secs 15 + 22**+ 13 + 24. Township 2 North Rang.**36 East Willam Oregon*executed by *Charles L. Campbell*
*U.S. Deputy Surveyor*under his contract No. *733*, dated*March 22*, 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.

Henry Meldegg
U. S. Surveyor-General.