

FIELD NOTES.

On the survey of the Exterior
 Lines of T5S. R29E. T6S. R32, 33 & 34 E. T9S.
R33 & 34 E. T8S. R33 & 34 E. T7S. R33 & 34 E Willamette Meridian,
 Oregon, as surveyed by Frank W Campbell
 U. S. Deputy Surveyor, under his Contract No. 468
 dated April 12" — 1883

Survey commenced April 28" — 1883

Survey completed July 17" — 1883

NAMES AND DUTIES OF ASSISTANTS.

-, Compassman.
-, Chainman.
-, Chainman.
- John S. Sutcliffe....., Chainman.
- Frank Ellis....., Chainman.
- Cory W. Wetlock....., Axeman.
-, Axeman.
-, Flagman.

PRELIMINARY OATHS OF ASSISTANTS.

We, John S. Guttridge and
Frank Ellis

do solemnly swear that we will faithfully execute the duties of Chain Carriers, 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 will 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 T. 5 S. R. 29 E. T. 6 S.
R. S. 32, 33 & 34 E. T. 9 S. R. S. 33 & 34 E. & T. 8 S.
R. S. 33 & 34 E. & T. 7 S. R. S. 33 & 34 E. Willamette Meridian, Oregon.

John S. Guttridge, Chainman.

Frank Ellis, Chainman.

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me, this Eighteenth

day of April 1883

[SEAL.] Frank W. Campbell
U.S. Deputy Surveyor

J. Carey W. Matlock and

_____, do solemnly swear that we will well and truly perform the duties of Axemen in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability

T. S. 7 in the survey of the Exterior lines of T. 5 S. R. 29 E. T. 6 S. R. S. 32, 33 & 34 E.
8 & 9 S. R. S. 33 & 34 E. Willamette Meridian, Oregon.

Carey W. Matlock, Axeman.

_____, Axeman.

Subscribed and sworn to before me, this Eighteenth

day of April 1883

[SEAL.] Frank W. Campbell
U.S. Deputy Surveyor

Extensions of T. 7S bet. R. S 33 & 34 E

Willamette Meridian, Oregon.

North bet. Secs 1 & 2

ca 18° E

40.00 A point - about 50 ft. above last-
sec. cor facing West -
Set a basalt stone 16 x 12 x 12 ins. 110ms
in the ground for $\frac{1}{4}$ sec. cor
marked $\frac{1}{4}$ S. B. T. from which
A fir 15 ms diam. bears S 30° W. 26 lks. dist.
marked $\frac{1}{4}$ S. B. T.

A fir 24 ms diam. bears S 50° E 16 lks. dist.
marked $\frac{1}{4}$ S. B. T.

77.00 Creek 8 lks wide runs S. W.

80.00 Set a basalt stone 12 x 12 x 12 ins 8 ms
in the ground for cor to
Tps 6 & 7 S R 33 & 34 E. marked
with 6 notches on the N. S. E & W
edges. from which

A spruce 10 ms diam. bears N 71° E. 27 lks. dist.
marked T 6 S R 34 E S 31 B. T.

A tamarack 15 ms diam. bears S 11° E 32 lks. dist.
marked T 7 S R 34 E. S. 6 B. T.

A tamarack 10 ms diam. bears S 30° W. 3 lks. dist.

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Exteriors

of T. 7 S. bet. R. 33 & 34 E.

Willamette Meridian, Oregon.

marked T 7 S R 33 E S. 1 B. T.

A spruce 18 ins diam. bears N 48° W 12 lbs dist.

marked T 6 S. R 33 E. S 36. B. T.

Land mountainous

Soil 3d rate

Densely covered with forests
of pine-fir, spruce and
tamarack 80 chs.

Thick undergrowth of balsam
and small pine 80 chs -

June 20th 1883

Exteriors of T. 7 S. bet. R. S. 34 & 35 E.

Willamette Meridian, Oregon.

North bet. Secs. 156

va 20° E

19.10 Spring branch 3 lks wide runs N.
40.00 Set a basalt-stone 12x10x10 ins
8 ins in the ground for $\frac{1}{4}$ Sec. cor
marked $\frac{1}{4}$ on N. face from which
A pine 10 ins diam bears N 11° W 31 lks dist.
marked $\frac{1}{4}$ S B. T.

A pine 10 ins diam bears S 34° E 50 lks dist.
marked $\frac{1}{4}$ S B. T.

78.50 Creek 10 lks wide runs N.

80.00 Set a basalt-stone 20x20x8 ins 15 ins
in the ground for cor. to T. 6 &
7 S. Rys 34 & 35 E. marked with
6 notches on each edge from which
A pine 10 ins diam bears N 36° E 34 lks dist.
marked $\frac{1}{6}$ S R 35 E. S 31 B. T.

A pine 11 ins diam bears S 38° E 34 lks dist.
marked $\frac{1}{7}$ S R 35 E. S 6 B. T.

A pine 10 ins diam bears S 60° W 23 lks dist.
marked $\frac{1}{7}$ S R 34 E. S 1 B. T.

A pine 12 ins diam bears N 70° W. 28 lks dist.

Exteriors of T. 7 S. bet. R. S. 34 & 35 E

Willamette Meridian, Oregon.

marked 16 S R 34 & 35 E B, 1
 Sand rolling
 Soil 2d rate
 Densely covered with forests
 of pine, fir, tamarack and
 spruce 80 chs.
 Thick undergrowth of huckle
 berry - balsam, pine and
 tamarack 80 chs.

July 13th 1883

General Description.
 These Townships are high
 and mountainous, and
 covered with dense
 forests of pine, fir
 and tamarack.
 Soil good 2d rate

Exteriors of T. 6 S. R. 34 E.

Willamette Meridian, Oregon.

From the Cor. to Tps 6 & 7 S. Rgs 34 & 35 E I run West on a random line. between said townships the variation of my compass being 20° E I set temporary half-mile and mile corners at each 40 and 80 chs. and find the Township line to be 5 miles 76 chs and 2 lks. long and the falling to be 252 lks South of the Cor to Tps 6 & 7 S Rgs 33 & 34 E. The correction for the true line will therefore be 43 lks ^{North} ~~North~~ and ~~398 lks East~~ per mile and its course will be $S 89^{\circ} 42' E$.

July 14th 1883

From the Cor to Tps 6 & 7 S. Rgs 33 & 34 E I run

$S 89^{\circ} 42' E$ on a true line bet. Secs. 6 & 31

va $20^{\circ} E$

2.75 Creek 8 lks wide runs S.W

40.99 Set a post 3 ft long 3 ins square

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Exteriors of T. 6 S R. 34 E

Willamette Meridian, Oregon.

24 ins in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S on N. face. from which
A pine 5 ins diam. bears S 20° W. 9 lks. dist.
marked $\frac{1}{4}$ S. B. T.

A fir 15 ins diam. bears N 40° E. 43 lks. dist.
marked $\frac{1}{4}$ S B. T.

40.08 Brook 3 lks wide runs N. W.

76.02 Set a post 4 ft long. 4 ins square
24 ins in the ground for cor to sec.
5, 6, 31 & 32 marked

T 6 S. S 32 on N E

R 34 E, S. 5. " S E

T 7 S S 6 " S W. and

S. 31 on the N. W. faces with 1 notch
on the W. and 5 notches on the E. edges.
from which

A pine 6 ins diam bears N 38° E 16 lks dist.
marked T 6 S R 34 E. S 32 B. T.

A pine 8 ins diam. bears S 20° E. 7 lks dist.
marked T 7 S R 34 E S 5 B. T.

A pine 10 ins diam. bears. S 31° W. 3 lks dist.
marked T 7 S R 34 E. S 6 B. T.

Exteriors of T. C. S

R. 34 E

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Willamette Meridian, Oregon.

A pine 6 ins. diam. bears $N45^{\circ}W$. 8 lks dist. -
marked T6 S R 34 E S 31. B. T.

Land rolling and mountainous
soil 2d rate

Densely covered with forests of pine
fir Tamarack and Spruce

76.02 Chs.

Thick undergrowth of small pine
fir, tamarack and balsam 76.02 Chs

$S89^{\circ}42' E$ on a true line bet. - sec. 5 + 32

or $19^{\circ} E$

4000 Set a post - 3 ft long 3 ins square
24 ins in the ground for 44 sec. cor.
marked 44 S on N face from which

A tamarack 10 ins. diam. bears $N45^{\circ}E$ 14 lks dist.
marked 44 S B T

A tamarack 11 ins. diam. bears $S40^{\circ}E$ 20 lks dist.
marked 44 S B T

80.00 A tamarack 8 ins. diam. which I mark
T6 S. S 33. on NE. R. 34 E. S 4 on SE.
T 7 S. S 5 on SW. S 32 on NW. faces.

Extensions of T. 6 S R. 34 E

Willamette Meridian, Oregon.

with 4 notches on the E and 2 notches
on W. Sides. from which

A tamarack 12 ins diam. bears $N36^{\circ}E$ 18 lks dist
marked T 6 S R 34 E S 33 B, T

A tamarack 18 ins diam. bears $S6^{\circ}E$ 18 lks dist.
marked T 7 S R 34 E S 4 B, T

A tamarack 10 ins diam. bears $S54^{\circ}W$ 12 lks dist.
marked T 7 S R 34 E S 5 B, T

A fr 8 ins diam bears, $N18^{\circ}W$, 12 lks dist -
marked T 6 S R 34 E S 32 B, T,

Land rolling

Soil 2d rate

Densely covered with pine, fir
tamarack and spruce 80 chs

Exteriors of T. 6 S R. 34 E

Willamette Meridian, Oregon.

S 89° 42' E. on a true line bet. Secs 4 & 33

or. 19° E

18.50 Creek 15 lbs wide runs S-

40.00 Set a post 3 ft long 3 ins square
24 ins in the ground for 14 sec cor.
marked 14 S. on N face from which
A pine 9 ins diam. bears N 69° W 20 lbs dist.
marked 14 S B. T.

A pine 8 ins diam. bears S 79° E 16 lbs dist.
marked 14 S B. T.

49.65 Spring branch course N

80.00 A pine 10 ins diam. which I marked
T 6 S - S 34 on N E
R 34 E - S 3 " S E
T 7 S - S 4 " S W. and

S. 33 on N W. faces, with 3 notches on
the E and W. sides - from which
A pine 6 ins diam. bears. N 42° E 30 lbs dist.
marked T 6 S R 34 E S 34 B. T.

A pine 6 ins diam. bears S 39° E 21 lbs dist.
marked T 7 S R 34 E S. 3 B. T.

A Spruce 18 ins diam. bears. S 65° W. 20 lbs dist.

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Extensions of T. 6 S R. 34 E.

Willamette Meridian, Oregon.

marked T 7 S R 34 E S 4 B. 1.

A spruce 15 in. diam. bears N 37° W 29 lbs dist.

marked T 6 S R 34 E. S 3 B. 1.

Land rolling

soil 2d rate

Densely covered with forests
of pine, tamarack and
fir 80 chs.

Thick undergrowth of balsam
hackberry 80 chs

Exteriors of T. 6 S R. 34 E. 226

Willamette Meridian, Oregon.

S 89° 42' E. on true line, bet. Secs 3 & 34
va 190 E

12.00 Creek 5 lks wide runs N.

40.00 Set a post - 3 ft. long 3 ins square
24 ins in the ground for 14 Sec cor
marked 14 S. on N. face. from which
A pine 10 ins. diam. bears S 47° W. 17 lks. dist.
marked 14 S B. T.

A pine 10 ins diam. bears N 30° W. 39 lks. dist.
marked 14 S. B. T.

45.50 Ravine course S.

80.00 Set a basalt stone 16 x 10 x 10 ins 10 ins
in the ground for cor. to Secs. 2, 3
34 & 35 marked with 2 notches
on the E and 4 notches on W.
edges. from which

A pine 30 ins diam. bears N 79° E 156 lks. dist.
marked T 6 S R 34 E S. 35 B. T.

A pine 18 ins diam. bears S 79° E 126 lks. dist.
marked T 7 S R 34 E S. 2. B. T.

A pine 30 ins. diam. bears S 63° W. 157 lks. dist.
marked T 7 S R 34 E S. 3 B. T.

227 Exteriors of T. 6 S R. 34 E

Willamette Meridian, Oregon.

A pine 36 ins. diam. bears N 68° W. 189 lks. dist-
marked T 6 S R 34 E S 34 B. T.

Land rolling

Soil 2d rate

Densely covered with forest of
pine, spruce & fir 80 chs.

Exteriors of T. 6 S R. 34 E 228

Willamette Meridian, Oregon.

S 89° 42' E on a true line bet. sees 2 & 35

va 19° 40' E

40.00 Set a basalt stone 15 x 12 x 6 ins 10 ins
in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face from which
A pine 8 ins diam. bears N 13° E 40 lks. dist.
marked $\frac{1}{4}$ S B.T.

A pine 10 ins diam. bears S 76° E 214 lks. dist.
marked $\frac{1}{4}$ S B.T.

80.00 Set a basalt stone 20 x 10 x 8 ins 15 ins
in the ground for cor to sees. 1, 2
35 & 36. marked with 1 notch on
the E and 5 notches on N. edges.
from which

A pine 8 ins diam. bears. N 13° E 40 lks dist.
marked T 6 S R 34 E S 36 B.T.

A pine 10 ins diam. bears S 76° E 214 lks dist.
marked T 7 S. R 34 E S 1 B.T.

A pine 10 ins diam. bears. S 45° W. 39 lks. dist.
marked T 7 S R 34 E S 2. B.T.

A pine 8 ins. diam. bears N 24° W. 57 lks. dist.
marked T 6 S R 34 E S 35 B.T.

Extensions of T. 6 S R. 34 E.

Willamette Meridian, Oregon.

Level high and rolling
 Soil 2d rate
 Densely covered with forests
 of pine, fir and tamarack
 80 lbs
 Thick undergrowth of small
 pine in patches.

July 15th 1883

Exteriors of T. 6 S R. 34 E 230

Willamette Meridian, Oregon.

S 89° 42' E on true line bet-secs 1736

va 20° E

8.00 Trail, course $\text{N} 6^{\circ} \text{E}$ & $\text{S} 24^{\circ} \text{W}$
 13.00 Creek 20 lks wide runs $\text{N} 6^{\circ} \text{E}$ & $\text{S} 24^{\circ} \text{W}$.
 40.00 Set a post 3 ft long 3 ins square
 24 ins in the ground for $\frac{1}{4}$ Sec, con
 marked $\frac{1}{4}$ S on N face from which
 A pine 10 ins diam bears $\text{S} 38^{\circ} \text{W}$ 70 lks dist.
 marked $\frac{1}{4}$ S B. T.

A pine 12 ins diam bears $\text{N} 30^{\circ} \text{E}$ 39 lks dist.
 marked $\frac{1}{4}$ S B. T.

80.00 The Cor to Tps 6 & 7 S Rps 34 & 35 E.
 Land mostly level Creek bottom
 Soil 1st & 2d rates.

Densely covered with forests of
 pine and fir 80 lks

Thick undergrowth of small
 pine - fir and willow 80 lks.

FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by -----

Frank W. Campbell, U. S. Deputy Surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing field notes of the survey of the Exterior lines of T5S R29E, T6S. Rs. 32, 33 & 34 E. ~~lines of~~ T7. 8 & 9 S. Rs 33 & 34 E. ----- Willamette Meridian, Oregon, showing the respective capacities in which they acted:

- , Compassman.
-----, Chainman.
John S. Guttridge, Chainman.
-----, Chainman.
Frank Ellis, Chainman.
-----, Chainman.
-----, Axeman.
Carey N. Matlock, Axeman.
-----, Flagman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted -----

Frank W. Campbell, U. S. Deputy Surveyor, in surveying all those parts or portions of the Exterior lines of T5S R29E T6S. Rs 32, 33 & 34 E & T7S. 7, 8 & 9 S. Rs 33 & 34 E. ----- 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.
John S. Guttridge, Chainman.
Frank Ellis, Chainman.
-----, Chainman.
-----, Chainman.
Carey N. Matlock, Axeman.
-----, Axeman.
-----, Flagman.

Subscribed and sworn to before me, this twenty fifth day of August 1883

[SEAL] Frank W. Campbell U.S. Deputy Surveyor

FINAL OATH OF DEPUTY SURVEYOR.

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I, Frank W Campbell

United States Deputy Surveyor, do solemnly swear that in pursuance of

instructions received from James E Tolman

U. S. Surveyor General for Oregon, bearing date of the 12th

day of April, 1883, I have well, faith-

fully and truly, in my own proper person, and in strict conformity with

the instructions furnished by the U. S. Surveyor General for Oregon, the

Surveying Manual, and the Laws of the United States, surveying all those

parts or portions of Exterior lines of T. 5 S. R. 29 E. T. 6 S

R. S. 2, 33, & 34 E. T. 7 S. 7, 8 & 9 S. R. S. 33 & 34 E.

Willamette Meridian, in the State of Oregon, as are represented in the

foregoing Field Notes as having been surveyed by me and under my di-

rections; and I do further solemnly swear that all the corners of said sur-

vey have been established and perpetuated in strict accordance with the

Surveying Manual, Printed Instructions, the Special Written Instructions

of the U. S. Surveyor General for Oregon, and in the specific manner de-

scribed 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

8th, 1846.

Frank W Campbell

U. S. Deputy Surveyor.

Subscribed and sworn to before me, this 18

day of October 1883

W. H. Busfield

Notary Public for Oregon.

24247

OFFICE U. S. SURVEYOR GENERAL,

Portland, Oregon, *Jan'y 7,* 1884

The following Field Notes of the Survey of the
Exteriors of the foregoing Town-
ships, as

executed by *Frank W. Campbell*

under his Contract No. 468, dated *April*

12th 1883, having been critically examined,

the necessary corrections and explanations made, the said

Field Notes and the survey they describe are hereby approved.

James C. Tolman
Surveyor General.