

FIELD NOTES

Of the survey of the Exterior

Lines of Townships 4 & 5 South

Range 33. East, Willamette Meridian,

Oregon, as surveyed by George S.

Pershin, U. S. Deputy Surveyor,

under his Contract No. 410, dated

July 28, 1881

Survey commenced, September 5 1881

Survey completed, September 10 1881

NAMES AND DUTIES OF ASSISTANTS.

....., Compassman.

William F. Mc Reynolds, Chainman.

Malcolm E. Sturtevant, Chainman.

....., Chainman.

....., Chainman.

Thomas Gilliland, Axeman.

....., Axeman.

....., Flagman.

1A

PRELIMINARY OATHS OF ASSISTANTS:

We, *William F. McReynolds, Malcolm Sturtivant & Charles Vinson*

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 boundary*
lines of *Townships 4 and 5*
South Range 33 East - Willamette Meridian, Oregon.

Wm F McReynolds, Chainman.
Malcolm E. Sturtivant, Chainman.
Charley Vinson Chainman.
_____, Chainman.

Subscribed and sworn to before me, this *fifth*
day of *September* 188*8*

[SEAL.]

George S. Perkins
U.S. Dep. Sur.

We, *D. Thomas Gilliland* and

D *X* *X* *X* *X* *X* 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, in the survey of the *Ex. Boundaries of Townships*
4 & 5 South Rang 33 East Willamette Meridian Oregon.

Thomas Gilliland, Axeman.
_____, Axeman.

Subscribed and sworn to before me, this *fifth*
day of *September* 188*8*

[SEAL.]

George S. Perkins
U.S. Dep. Sur.

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Exteriors of Township No. 5 South Range 33 East
Willamette Meridian, Oregon.

North on the East boundary of Sec. 1
Ba. $19^{\circ} 45'$ East.

38.50 foot of descent creek bottom
descent 80 ft -

40.00 Set basalt stone $14 \times 12 \times 8$ ins on
level in creek bottom 10 ins in
ground for $\frac{1}{4}$ Sec. cor. marked
 $\frac{1}{4}$ on west face from which

A Pine 6 ins. dia. brs. N. 38° E. 9 lbs. dist
marked. $\frac{1}{4}$ S. B.T.

A Pine 10 ins. dia. brs. N. 38° W 12 lbs. dist

43.00 Camas, creek 20 lbs. wide to West

44.50 leave creek bottom begin ascent -
timber becomes scattering

8000 Set pine post 5 ins square 5 ft
long on level in large open ⁺⁸⁰
glade for corner to Townships
4 & 5 South Ranges, 33 & 34 East

marked: T. 4 S. R. 34 E. S. 31 on N.E. side

" T. 5 S R. 34 W. S. 6 " S.E. "

" T. 5 S. R. 33 E. S. 1 " S.W. "

" T. 4 S. R. 33 E. S. 36 " N.W. "

Exteriors of Township No. 5 South Range 33 East
Willamette Meridian, Oregon.

Also marked with 6 notches on N.E.S & W. edges
Raised mound of stone 2 1/2 ft high &
5 1/2 ft base around post in lieu of pits
Land. surface rolling and undu-
lating; soil 3rd & 2nd rate
Scattering Pine. timber

September 6th 1881

General description

The S. Eastern part is mountainous
the northern and western part
rolling and undulating with
a considerable part nearly level
soil about equally 3 & 2 rate with
some 1st rate, about 2/5 is
heavily timbered about 1/4 is
open prairie or scattering timber
about 1/5 is agricultural land
and is located mostly on
north and west sides

This township should be subdivi-
ded at an early day

Extremities of Township No. 4 South Range 33 East
Willamette Meridian, Oregon.

From the cor. to Tps. 4 & 5 S. Rs.
33. and 34 E. I run West on a ran-
dom line between said townships
variation of my compass $17^{\circ} 45'$ East
I set temporary half mile and
mile markers at 40 and 80 chains
and find the township line to
be 5 miles 79 chs. and 68 lks
and the falling to be 128 south
of cor to Tps. 4 & 5 S. Rs. 32 & 33
East. the correction for the true
line will therefore be $21\frac{1}{2}$
links north per mile; and
its course S. $89^{\circ} 51'$ East

From the cor. to Tps. 4 and 5 S.
Rs. 32. and 33 E. which is a post
4 ins square. marked

T 4 S. R. 33. E. S 31 on N. E.
T 5 S. R. 33 E. S 6 " S. E.
T. 5 S. R. 32 E. S 1 on S W.
T 4 S. R. 32 E. S 36 " N. W.

Exteriors of Township No. 4 South Range 33 East
Willamette Meridian, Oregon.

and with 6 notches on each
edge, and Mound of stone
around post. I run

S. 89° 51' East on a true line
between Sec. 31. and 6
ca. 20° 00' East

19.00 Enter timber

39.68 Set basalt Stone 15 x 12 x 5 ins
10 ins. in ground for 1/4
Sec. cor. marked 1/4 on N. face

A Pine 18 in. dia. brs. N. 32° W. 39 lks. dist
marked 1/4 S. B.T.

A Pine 18 ins. dia. brs. S. 45° E. 37 lks dist
marked 1/4 S. B.T.

^{49.68}
~~49.68~~ Set basalt stone 16 x 12 x 5 ins
11 ins in ground for cor to
Sec. 5, 6, 31 and 32 marked
with 1 notch on N. and 5 notches
on E edges. from which

A Pine 6 ins. dia. brs. N. 7° E 109 lks dist
marked, T. 4 S. R. 33 E. S. 32. B.T.

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Exteriors of Township No. 4 South Range 33 East
Willamette Meridian, Oregon.

A Pine 5 ins. dia. brs. S. 14° E 68 lbs. dist.
marked T. 5 S. R. 33 E. S 5. B. T.

A Pine 10 ins. dia. brs. S 50° W. 52 lbs. dist.
marked T. 5 S. R. 33 E. S 6. B. T.

No tree N. W. raised Mound of
stone along side in lieu of pit-
Land: Surface undulating;
Soil 2nd & 3rd rate. Pine &
Tamarack timber on E. 60 chs

S. $89^{\circ} 51'$ East on a true line
between Sec. 32 and 5
or. $20^{\circ} 15'$ East-
ascending

32.00 On ridge and begin descent +100
top 100 ft above cor. ridge N. & S.

40.00 Set basalt stone $12 \times 8 \times 7$ ins.
8 ins. in ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face

A Tamarack, 8 ins. dia. brs. N. 76° W. 15 lbs. dist
marked. $\frac{1}{4}$ S. B. T.

A Tamarack 5 ins. dia. brs. south 24 lbs dist

205

Exteriors of Township No. 4 South Range 33 East
Willamette Meridian, Oregon.

Marked: $\frac{1}{4}$ S. B.T.

8000 Set basalt stone $16 \times 12 \times 7$ ins
11 ins. in. ground for. cor. to
Sec. 32, 33, 4 & 5 - Marked with
2 notches on W. and 4 notches on
E edges, 80 ft descent -

A Fir 18 ins. dia. brs. N. 20° E. 25 lbs. dist.
Marked T4 S. R. 33 E. S. 33. B.T.

A Pine 11 ins. dia. brs. S. 14° E. 30° lbs. dist.
Marked T5 S. R. 33 E. S. 4. B.T.

A Pine 6 ins. dia. brs. S. 20° W. 27 lbs. dist.
Marked T5 S. R. 33 E. S. 5. B.T.

A Pine 10 ins. dia. brs. N. 68° W. 38 lbs. dist.
Marked T4 S. R. 33 E. S. 32. B.T.

Land: Surface rolling; soil
2nd & 3rd rate. Mostly heavy Pine
Tamarack and Fir timber
with open glades

Exteriors of Township No. 4 South Range 33. East
Willamette Meridian, Oregon.

S. $89^{\circ} 51'$ East on a true line
between Sec. 33 & 4

va. $20^{\circ} 15'$ East.

11.20 foot of bluff near creek. descent
180 ft. Spring branch. co. north

34.50 enter open glade

40.00 Set basalt stone $18 \times 10 \times 5$ ins

12 ins in ground for $\frac{1}{4}$ sec.

cor. marked $\frac{1}{4}$ on N. face

no trees near. raised mound
of stone on N. side in lieu
of pits

45.00 Leave open glade co. N. & S.

55.00 Camas. creek 45 lbs. wide
co. N. W.

59.50 leave creek bottom & begin
ascent N. W. & S. E

66.50 on spur extending S ascent 60 ft

70.00 creek bottom descent 50 ft.

open

80.00 Set basalt stone $18 \times 8 \times 7$ ins

12 ins. in ground for

Exteriors of Township No. 4 South Range 33 East
Willamette Meridian, Oregon.

Cor to Sec. 33, 34, 3 & 4, marked
with 3 notches on E and 3 notches on
W. edges. from which a
Pine 8 ins. dia. brs. S. 8° W. 102 lbs. dist
marked: T. 5 S. R. 33 E. S. 4. B T
no other trees near.

Raised Mound of stone along-
side of cor. in lieu of pits

Land: Surface, part rolling
& part level: Soil 3" 2" and
small part on creek bottom 1" rot.
heavy Pine Tamarack and Fir
timber or dense under brush
most of the mile

Exposures of Township No. 4 South Range 33 East
Willamette Meridian, Oregon.

S. $89^{\circ} 51'$ East on a true line betw
een Sec. 34. and 3

Pa. $18^{\circ} 30'$ East-

^{nearly level surface}
70 Camas Creek 20 lbs. wide co. S. W.
40.00 Set basalt stone $12 \times 8 \times 6$ ins

9 ins. in ground for $\frac{1}{4}$ sec.

cor. Marked $\frac{1}{4}$ on N. face

no trees. raised mound
of stone alongside in
sieu of pits

44.25 Camas Creek. 25 lbs. wide
co. N. W.

80.00 Set basalt stone $16 \times 12 \times 5$ ins

11 ins. in ground for cor.

to Sec. 34. 3, 5, 2, and 3.

Marked; with 4 notches on
the W. and 2 notches on E.

edges from which

A Pine 7 ins. dia. brs. S. $64^{\circ} E$. 44 lbs. dist.

Marked. T. 5 S. R. 33 E. S. 2. B.T.

A Pine 14 ins. dia. brs. S. $3^{\circ} N$. 56 lbs. dist

Marked: T. 5 S. R. 33 E. S. 3 B.T.

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24

Exteriors of Township No. 4 South Range 33 East
Willamette Meridian, Oregon.

no other trees near
Raised a mound of stone
alongside of cor. in lieu of pits

Land: Surface nearly
level. Soil 2" and 1" rate
Some groves of thick young
pine timber. Mostly good
Natural meadow

20

25

Exteriors of Township No. 4 South Range 33 East
Willamette Meridian, Oregon.

S. 89° 51' East on a true line
between Sec. 35 and 2
Va, 20° 00' East

1.50 Wagon road to hot sulphur
Springs N. & S.

1.75 Fence co N. & S. brook 5 eps
wide co south

4.00 Cabin about 3 chs South
claimed by Henry Bowman

8.00 Fence co. N. & S. leave sheep yard
28.56 Creek, 30 lks. wide co. S. W.

37.00 Creek, co. N. W. 50 lks. wide

40.00 Set pine post 4 in. dia. and
4 ft long on level. for
1/4 sec. cor. marked 1/4 S
on N. side from which

A Pine 10 in. dia. brs. N. 14° E. 134 lks. dis.
marked 1/4 S. B.T.

A Pine 10 ins. dia. brs. S. 77° E. 135 lks. dist
marked 1/4 S. B.T.

73.50 begin to ascend

Exteriors of Township No. 4 South Range 33 East
Willamette Meridian, Oregon.

80.00 Set basalt stone, 16 x 14 x 5 ins

11 ins in ground, on slight
S. W. slope for cor. to Sec.

35, 36, 1 and 2. Marked
with 1 notch on E. and 5
notches on W. edges, ascent 35 ft

A Pine 20 ins. dia. brs. N. 52° E. 160 lbs. dist

Marked: T 4 S. R. 33 E. S. 36, B. T.

A Pine 44 ins dia brs. S. 46° E 126 lbs. dist.

Marked T 5 S. R. 33 E. S. 1 B. T.

A Pine 30 in. di. brs. S. 16° W. 27 lbs dist.

Marked T 5 S. R. 33 E. S. 2. B. T.

No tree N. W. raised a
mound of stone alongside in
lieu of posts

Land: Surface nearly level;
soil. 1" & 2" rate, mostly
open creek bottom, some
Pine timber on E 1/2 mile

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Extremities of Township No. 4 South Range 33 East
Willamette Meridian, Oregon.

- S. $89^{\circ} 57'$ East on a true line
between Sec. 36 & 1
ba. $18^{\circ} 15'$ East
Cabin brs. South
800 " " S. 41° W.
along south slope
4000 Set basalt stone $18 \times 10 \times 8$ ins.
12 ins in ground on S.E. slope
for $\frac{1}{4}$ Sec. cor. Marked
 $\frac{1}{4}$ on N. face, from which
A. Pine 18 ins. dia. brs. N. 64° E. 39. lbs. dist
Marked $\frac{1}{4}$ S. B.T.
A Pine 18 ins. dia. brs. S. 13° W. 34 lbs. dis
Marked: $\frac{1}{4}$ S. B.T.
41.00 A ravine 20 ft deep co S.W.
69.00 On level Plateau about 80 ft
above creek bottom
8000 The cor. to Townships
4 and 5 South Ranges
33. and 34 east

Exteriors of Township No. 4 South Range 33 East
Willamette Meridian, Oregon.

Land: Surface rolling. part-
nearly level. Soil 2nd & 3rd
rate. Some pine timber
mostly open
September 7th 1881

FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by George S. Perkin, 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 Boundaries lines of Townships 4 & 5 South Range 33 East Willamette Meridian, Oregon, showing the respective capacities in which they acted:

- William F. McReynolds, Compassman.
- Malcolm E. Sturdivant, Chainman.
- _____, Chainman.
- _____, Chainman.
- Thomas Gilliland, Axeman.
- _____, Axeman.
- _____, Flagman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted George S. Perkin, U. S. Deputy Surveyor, in surveying all those parts or portions of the Exterior boundary lines of Townships 4 & 5 South Range 33 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.

- William F. McReynolds, Compassman.
- Malcolm E. Sturdivant, Chainman.
- _____, Chainman.
- _____, Chainman.
- Thomas Gilliland, Axeman.
- _____, Axeman.
- _____, Flagman.

Subscribed and sworn to before me, this this tenth day of September 1884.

[SEAL.]

George S. Perkin
U. S. Dep. Surveyor

FINAL OATH OF DEPUTY SURVEYOR.

I, George S. Pershin

United States Deputy Surveyor, do solemnly swear that in pursuance of instructions received from James C. Tolman

U. S. Surveyor General for Oregon, bearing date of the 28th day of

July, 1881, 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 Surveying Manual, and the laws of

the United States, surveyed all those parts or portions of Exterior boundaries

of Townships 4 & 5 - South Range 33 east

Willamette Meridian, in the State of Oregon, as 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 Surveying Manual, printed instructions, 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.

George S. Pershin
U. S. Deputy Surveyor.

Subscribed and sworn to before me, this twenty - second
day of October, 1881.

James C. Tolman
Surveyor General
Oregon

Office U. S. Surveyor General,Portland, Oregon, *DEC. 9* 188*1*

The following Field Notes of the Survey of

The Ext. of T- 4 & 5
*S. R. 33 E.*executed by *Geo S. Pesham*under *his* contract No. *2410*dated *July 28* 188*1*, 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.