

## 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 Mc Reynolds. 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 Mc Reynolds, Chainman.  
Malcolm E. Sturtivant, Chainman.  
Charley Vinson, Chainman.  
\_\_\_\_\_, Chainman.

Subscribed and sworn to before me, this fifth  
day of September 1888

[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 1888

[SEAL.]

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

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Referring the Lines to the pages of the Field Notes.

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Referring the Lines to the Pages of the Field Notes.

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Meanders of \_\_\_\_\_ Pages \_\_\_\_\_ to \_\_\_\_\_

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

North on the east boundary  
of Section 1  
ba.  $20^{\circ} 45'$  East

22.00 Begin descending

40.00 Set basalt stone  $14 \times 12 \times 4$  ins  
10 ins in ground for  $\frac{1}{4}$  sec  
cor. Marked  $\frac{1}{4}$  on N. face

A Pine 10 ins. dia. brs. N.  $34^{\circ}$  E. 81 lbs. dist.

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

A Pine 12 ins. dia. brs. N.  $38^{\circ}$  W. 90 lbs. dist

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

47.50 A stream 15 lbs wide co. N.E.  
descent 180 ft

80.00 Set a basalt stone  $18 \times 12 \times 5$  ins  
12 ins. in ground for cor. to  
Townships. 3 & 4 South,  
Ranges. 33 and 34 East  
Marked with 6 notches on  
N. S. E and W. edges. severally  
Ascent 150 ft

A Pine 6 ins. dia. brs. N.  $38^{\circ}$  E. 80 lbs. dist.

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

Marked: T. 3 S. R. 34 E. S. 31 B.T

A Pine 16 ins. dia. brs. S. 58° E. 48 lbs. dist.

Marked T. 4 S. R. 34 E. S. 6. B.T

A Pine 15 ins. dia. brs. S. 50° W. 13 lbs. dist.

Marked T. 4 S. R. 33 E. S. 1 BT

A Pine 12 ins dia. brs. N. 74° W. 23 lbs. dist.

Marked T. 3 S. R. 33 E. S. 36 B.T

Land; surface part undulating  
and part broken; soil 3<sup>rd</sup> rate  
Pine. Tamarack & Fir timber  
heavy in places some open glades

September 9<sup>th</sup> 1881

Exteriors of Township No. 4 South Range 33 East

Willamette Meridian, Oregon.

From the cor. to Townships 3 and 4 South, Ranges 33 and 34 E I run West on a random line between said Townships the variation of my compass being  $20^{\circ}00'$  East.

I set temporary half-mile and mile corners at each 40 and 80 chains and find the Township line to be 5 miles

78 chains and 38 links long, and the falling to be 138 links South of cor. to Tps. 3 and 4 South Ranges, 32 and 33 East. The correction for the true line will therefore be 23 links North per mile.

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

and its course S. 89° 50' East

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From the cor to Tps. 3 and 4  
South Rs. 32 and 33 E —  
which is a basalt-stone 20 x 8 x 4  
ins marked with 6 notches  
on N. S. E. and W. edges  
from which a

Pine 8 ins di brs. N. 32° E 9 lbs. dist,  
marked T. 3 S. R. 33 E. S. 31 B.T.

Pine 10 ins. dia. brs. S. 36° E 31 lbs. dist,  
marked T. 4 S. R. 33 E. S. 6 B.T.

Pine 7 ins. di. brs. S. 28° W. 4 lbs. dist,  
marked T. 4 S. R. 32 E. S. 1 B.T.

A Fir 5 ins. dia. brs. N. 42° W. 62 lbs. dist,  
marked T. 3 S. R. 32 E. S. 36 B.T.

Q run



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

S.  $89^{\circ}50'$  East on a true line  
on North boundary of sec. 6  
ra  $15^{\circ}30'$  East

3.20 A spring-branch to S. descent 80 ft

3838 Set basalt-stone  $20 \times 10 \times 4$  ins  
on level in small mound  
of stone for  $\frac{1}{4}$  sec. cor. Marked

$\frac{1}{4}$  on N. face from which  
A Pine 10 ins. dia. brs. N.  $60^{\circ}$  E. 10 lks. dist.

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

A Pine 36 ins. dia. brs. S.  $43^{\circ}$  W. 117 lks. dist.

Marked  $\frac{1}{4}$  S. B.T. ascent 100 ft

78.38 Set basalt stone  $18 \times 10 \times 3$  ins.

12 ins. in ground for cor. to  
Sec. 5, 6, 31 and 32. Marked  
with 5 notches on E and one  
notch on N. edges from which

A Pine 5 ins. dia. brs. N.  $60^{\circ}$  E. 19 lks. dist.

Marked T. 3 S. R. 33 E. S. 32. B.T.

A Tamarack, 12 ins. dia. brs. S.  $12^{\circ}$  E. 13 lks. dist

Marked: T. 4 S. R. 33 E. S. 5. B.T.

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

A Pine 7 ins. dia. brs. S 62° W. 23 lks. dist  
Marked T 4 S. R. 33 E. S 6 B. T.

A Tamarack 10 ins. dia. brs. N. 58° W. 11 lks. dist  
Marked T 3 S. R. 33 E. S 31. B. T.

Land: Surface rolling: Soil  
3<sup>rd</sup> and 2<sup>nd</sup> rate: Heavy Pine,  
Tamarack and Fir timber  
with open glades

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

S.  $89^{\circ} 50'$  East on a true line on the  
North boundary of sec. 5  
Ra  $21^{\circ} 00'$  East

28.50 Wagon road to hot Sulphur  
Springs from settlements and  
Pendleton co. N. W. & S. E

40.00 Set a Pine 10 ins. diam on level  
for  $\frac{1}{4}$  sec. cor. Marked  $\frac{1}{4}$  S  
on N. side from which

A Pine 8 ins. dia. brs. N.  $3^{\circ}$  W. 25 lbs. dist.

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

A Pine 12 ins. dia. brs. S.  $68^{\circ}$  E. 18 lbs. dist.

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

80.00 A Fir 8 ins. diam. on level

for cor. to Sec. 4, 5, 32 and 33

Marked T3S, R. 33 E. S. 33 on N. E.

" T4S, R. 33 E. S. 34 " S. E.

" T4S, R. 33 E. S. 35 " S. W.

" T3S, R. 33 E. S. 32 " N. W.

and 4 notches on E and 2 on W. sides

from which

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

A Pine 8 ins. dia. brs N. 14° E. 33 lks. dist.

marked T 3 S. R 33 E. S 33 B. T.

A Pine 10 ins. dia. brs. S 44° E. 15 lks. dist.

marked T 4 S. R 33 E. S 4 B. T.

A Fir 8 ins. dia. brs. S. 54 W. 14 lks. dist.

marked T 4 S. R 33 E. S 5 B. T.

A Fir 10 ins. dia. brs. N. 58° W. 56 lks. dist.

marked T 3 S. R. 33 E. S. 32 B. T.

Land: Surface rolling; soil  
2<sup>nd</sup> and 3<sup>rd</sup> rate.

heavy Pine Tamarack & Fir  
Timber with open glades  
some dense thickets of young  
timber

42-47

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

S.  $89^{\circ} 50' E$ . on a true line on the  
North boundary of sec. 4  
Va.  $19^{\circ} 00' E$ .

Slightly descending

40.00 Set basalt stone  $16 \times 10 \times 8$  ins.

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

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

A Pine 8 ins. dia. brs. N.  $64^{\circ} E$ . 44 lbs. dist.

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

A Fir 18 ins dia. brs. S.  $72^{\circ} E$  21 lbs. dist.

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

42.75 A spring branch co. S.E.

80.00 Set basalt stone  $16 \times 10 \times 5$  ins.

11 ins. in ground for cor. to

Sec. 3. 4. 33 and 34. Marked

with 3 notches on E. and 3

notches on W. edges from which

A Pine 12 ins. dia. brs. S.  $82^{\circ} E$ . 113 lbs. dist

Marked T. 4 S. R. 33 E. S. 3. B.T.

A Pine 20 ins. dia. brs. N. 40 W. 168 lbs. dist.

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

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

no other trees within distance  
raised mound of stone along-  
side of corner in lieu of  
posts

Land: surface rolling: soil  
3<sup>rd</sup> & 2<sup>nd</sup> rate: heavy Pine  
Tamarack and Fir timber  
with open glades. some  
dense groves of young timber

44 49

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

S.  $89^{\circ} 50'$  East on a true line on the  
North boundary of Sec 3  
wa.  $19^{\circ} 30'$  East

40.00 Set basalt stone  $17 \times 8 \times 6$  ins  
12 ins. in ground for  $\frac{1}{4}$  Sec.  
cor. Marked  $\frac{1}{4}$  on N. face

A Fir 11 ins. dia. brs. N.  $60^{\circ} E$ . 37 lbs. dist.  
Marked  $\frac{1}{4}$  S. B.T.

A Pine 12 ins. in dia. brs. S.  $3^{\circ} W$ . 8 lbs. dist.  
Marked  $\frac{1}{4}$  S. B.T.

59.50 A Spring branch co. S. E.

80.00 Set basalt stone  $16 \times 10 \times 5$  ins  
11 ins. in ground for Cor.  
to Sec. 2, 3, 34 and 35 Marked  
with 2 notches on E and 4 notches  
on W. edges from which

A Pine 24 ins dia. brs. S.  $21^{\circ} E$ . 136 lbs. dist.  
Marked T. 4 S. R. 33. E. S. 2. B.T.

A Pine 10 ins. dia. brs. S  $51^{\circ} W$ . 89 lbs. dist.  
Marked T. 4 S. R. 33 E. S. 3. B.T.

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

A Pine 8 ins dia. brs. N. 69 W. 68 lks. dist  
Marked T 3 S. R 33 E. S. 34. B.T.

No tree N.E. open glade  
revised a mound of stone along  
side of cr. in lieu of pits

Land: Surface rolling. soil  
3<sup>rd</sup> and 2<sup>nd</sup> rate.

Pine. Tamarack and Fir  
timber with open glades



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

S.  $89^{\circ} 50'$  East on a true line along  
the north boundary of sec. 2  
ca.  $20^{\circ} 30'$  East

Over rolling ground

40.00 Set a post 3 ft long 3 ins. square  
24 ins in the ground for  $\frac{1}{4}$   
Sec. cor. Marked  $\frac{1}{4}$  S on N side

from which a

Pine 16 ins dia. brs. North 70 lbs. dist

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

A Pine 18 ins dia. brs. S.  $56^{\circ}$  N. 14 lbs dist

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

80.00 Set a basalt stone  $18 \times 12 \times 6$  ins.

12 ins in ground for con to  
Sec. 1, 2, 3 5 and 36. Marked  
with one notch on E and 5 notches  
on W. edges. from which

A Pine 8 ins. dia. brs. N.  $70^{\circ}$  E. 21 lbs. dist

Marked T. 3 S. R. 33 E. S. 36 B.T.

A Pine 8 ins dia. brs. S.  $36^{\circ}$  E. 39 lbs dist

Marked T. 4 S. R. 33 E. Sec. 1. B.T.

47  
52

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

Pine 7 ins. dia. brs. S. 47° W. 30 lbs. dist  
Marked T. 4 S. R. 33 E. S. 2 B. T.

A Pine 9 ins. dia. brs. N. 67° W. 60 lbs. dist  
Marked T. 3 S. R. 33 E. S. 35 B. T.

Land: Surface rolling, soil  
3" and 2" rate: heavy Pine  
Tamarack and Fir timber  
with open glades. Some  
dense thickets of young  
timber under brush

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

S.  $89^{\circ} 50'$  East on a true line on the  
North boundary of Sec. 4  
on  $20^{\circ} 15'$  East

Rolling ground

40.00 Set a post 3 ft long 3 ins square  
24 in in ground for  $\frac{1}{4}$   
Sec. cor. Marked  $\frac{1}{4}$  S on

N. face from which

A Tamarack, 8 ins. dia. brs. N.  $46^{\circ}$  W. 33 lbs. dist

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

A Fir 7 ins. dia. brs. S.  $38^{\circ}$  W. 9 lbs. dist

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

47.75 A spring branch co. north  
descent 100 ft

80.00 The cor. to Tps 3 and 4 S. Ranges  
33 and 34 E. ascent 100 ft

Land: Surface rolling:

Soil 2<sup>d</sup> & 3<sup>d</sup> rate;

Pine, Tamarack and Fir  
timber with open glades

September 10<sup>th</sup> 1881

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

### General description

The surface is principally rolling and undulating. In the southern and N.E. parts there are some tracts nearly level and are good agricultural tracts. The western part is broken

Soil is mostly 2<sup>nd</sup> rate some 3<sup>rd</sup> rate and a small part 1<sup>st</sup> rate. About 1/2 is covered with heavy Pine Tamarack and Fir timber with occasional dense thickets of young timber. The remainder is either open glade or scattering timber

I administered the affidavits myself on account of the great distance to the nearest justice of the peace, about 25 miles, and the uncertainty of finding him at home

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 28<sup>th</sup> 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.