

FIELD NOTES

Of the survey of the Exterior

Lines of Townships 3 N. R. 37 & 4 N. Ranges
Willamette
37 and 38 East, Meridian, Oregon.

Executed by George S. Pershin

U. S. Deputy Surveyor, under his Contract

No. 304 dated Sept-19th 1878

List of the names of the persons employed to assist in running, measuring and marking the lines of the foregoing survey.

James M. Morrison Chainman.

Homer C. Pershin Chainman.

..... Chainman.

Archibald McLeod Axeman.

..... Axeman.

..... Compassman.

..... Flagman.

PRELIMINARY OATHS OF ASSISTANTS.

WE, *James M. Morrison, Homer, C* and
Pershin

do solemnly swear that we will faithfully execute the duties of Chain Carriers; that we will level the chain upon uneven ground, and plumb the tally pins, whether 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.

James M. Morrison Chainman.

Homer C. Pershin Chainman.

Chainman.

Subscribed and sworn to before me, this *8th Day*
day of *April* 187*9*

Saml G. Lightfoot

WE, *Archibald McLeod* and

do solemnly swear that ~~we~~ ^I will well and truly perform the duties for which ~~we~~ ^I have been ~~severally~~ ^{my} employed according to instructions and to the best of our skill and ability.

Archibald McLeod

Subscribed and sworn to before me, this *8th Day*
day of *April* 187*9*

Saml G. Lightfoot
Justice of the Peace

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Town. 3 N. Range 37 East Willamette Meridian.

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Exteriors

~~Subdivisions~~ of Township No. 4 North South Range 38
East Willamette Meridian, Oregon.

34
437

East on the South Boundary of sec 36
Pa, 18° 00' East

26.50 Spring Branch co. South

40.00 Set Pine Post on S.E. slope
for 1/4 sec. cor.

A Pine 20 in. di. brs. South 63 lks dist
no other trees near

Irregular broken descent

80.00 Set Basalt Stone 18x8x6 - 500

on S.E. point of spur for
corner to Townships 3 and 4

North Ranges 38 and 39 East

A Fir 14 in di brs. N. 56° E 98 lks dist

" Pine 12 " " S 44° E 110 " "

" 15 " " S 58° N, 95 " "

Fir 10 " " N. 38° W, 108 " "

Land: Surface very broken and
mountainous; soil 3rd rate & worth
less. Scattering Fir Tamarack
and pine timber; dense
underbrush.

35
438

Exteriors

Subdivisions of Township No. 4 North South Range 38
East Willamette Meridian, Oregon.

North on the East Boundary of sec. 36

Pa $19^{\circ} 36'$ East

12,00 Brook 10 lbs wide co. S.E. - 200

Steep S.W. hillside

40,00 Set Basalt Stone $14 \times 10 \times 8$ on

S.W. face of Mountain for

$\frac{1}{4}$ sec. cor.

A Fir 6 in. di. brs. East - 20 lbs dist

" " 24 " " " S 70° W. 11 " "

80,00 Set Pine post on N.W. slope

for corner to sections. 25, 36,
30 and 31

A Fir 16 in. diam. brs. N. 84° E 33 lbs dist

" " 15 " " " S 38° E 64 " "

12 " " " S 67° W 50 " "

" Pine 11 " " " N. 61° W 11 " "

Land: Surface mountainous

Soil 3rd rate & Northlep; some

Fir, Pine & Tamarack

timber

Exteriors

Subdivisions of Township No. 4 North South Range 38
East Willamette Meridian, Oregon.

439

36

North on the East Boundary of sec. 25
Cra. $22^{\circ} 30'$ East

40.00 A Tamarack 13 in. diam. on
North slope for $\frac{1}{4}$ sec. cor.

A Tamarack 16 in. di. brs. $S. 52^{\circ} E$, 40 lbs dist

" " 18 " " " West 17 " "

60.50 Brook 20 lbs wide cours East - 400

80.00 Set Pine post on south + 400
slope for corner to sections
24. 25. 29. and 30

A Spruce 18 in. di. brs. $N. 50^{\circ} E$ 54 lbs dist

" Fir 12 " " " $S 50^{\circ} E$ 25 " "

" " 8 " " " $S 26 N. 31$ " "

" Tamarack 9 " " " $N. 56 N. 13$ " "

Land: Surface Mountains;
Soil 3rd rate; heavy timber
Pine Tamarack and Fir

June 9 1879

37 Extremes

440

Subdivisions of Township No. 4

North

South Range 38

East Willamette Meridian, Oregon.

North on the East Boundary of Sec. 24
Ba. 21° East

Along east slope of ridge
40.00 Set Basalt Stone $14 \times 12 \times 8$ on
East side near top of ridge
for $\frac{1}{4}$ Sec. cor.

A Fir 6 in. diam. brs. N. 20° E. 15 lks. dist.

" " 5 " " " " N. 25° W. 13 " "

80.00 Set Fir post on East slope ⁺²⁵⁰
for corner to sections
13. 24. 18 and 19

A Fir 6 in. di brs. N. 52° E. 31 lks. dist.

" " 10 " " " " S 45° E. 34 " "

" Tamarack 10 " " " " S 31° W. 13 " "

" " 8 " " " " N. 18° W. 31 " "

Land: Surface Mountain
ridge; Soil 3rd rate; heavy
Timber Pine Tamarack and
Fir

Exteriors

38

Subdivisions of Township No. 4 North South Range 38
East Willamette Meridian, Oregon.

441

North on the East Boundary of sec 13

at $20^{\circ}45'$ East

4000 Set Fir Post on nearly level

for $\frac{1}{4}$ Sec. cor.

A Fir 9 in. diam. brs. N. $80^{\circ}E$ 31 lbs. dist

" " 10 " " " " N. $75^{\circ}W$. 24 " "

8000 A Tamarack. 5 in. di. on
nearly level surface for.

corner to Sec. 12, 13, 7 and 18 + 300

A Spruce 10 in. di. brs. N. $41^{\circ}E$ 29 lbs. dist

" " 13 " " " " S $44^{\circ}E$ 51 " "

" " 15 " " " " S. $48^{\circ}W$. 34 " "

" " 12 " " " " N. $42^{\circ}W$. 56 " "

Land: Surface Mountain
ridge: soil 3rd rate; heavy
timber Pine Spruce, Fir and
Tamarack

39 Exteriors

Subdivisions of Township No. 4 North South Range 38

442

East Willamette Meridian, Oregon.

North on the East Boundary of sec 12
ba. $22^{\circ} 00'$ East

38.00 begin descent + 100

40.00 Set Fir Post on North slope
for $\frac{1}{4}$ Sec. cor.

A Fir 8 in. diam. brs. N. 26° E. 19 lbs. dist

" " 10 " " " S 70° W 17 " "

55.00 Spring Branch co. N. W

80.00 Set Fir Post on west face⁻³⁰⁰
of Spur for. cor. to sections
4, 12, 6 and 7

A Fir 8 in. diam. brs. N. 52° E. 18 lbs. dist

" " 9 " " " S 50° E 23 " "

" Maple 4 " " " S 55° W. 22 " "

" Fir 7 " " " N. 45° W. 20

Land: Surface Moun-
tainous; Soil 3rd rate &
worthless; heavy timber
Pine, Fir and Tamarack

Exteriors

Subdivisions of Township No. 4 North South Range 38443
East Willamette Meridian, Oregon.

North on the East Boundary of section 1
Pa. 21° 30' East

16.50 Spring Branch course N. W.

40.00 Set Basalt Stone 18 x 12 x 5
on west face near point of
bluff for 1/4 Sec. cor.

A Fir 12 in di brs. East 107 lbs dist

" " 10 " " " N. 72° W. 85 " "

47.00 Steep precipitous bluff down
which it is impossible to chain

I send flag on north side of
river and measure a base east
300 links forming an angle of
8 1/2° which by natural sines and

cosines gives
sin 8 1/2° : Co. sine 8 1/2° lks
.1481 : .9889 :: 3.00 : 20.03 making

making 61.03

61.03 To flag, then back 5.23 chs
to East bank of Welle Hall River

55.80 to E side of river 60 lks wide
and

41 Exteriors

444

Subdivisions of Township No. 4 North
South Range 38
East Willamette Meridian, Oregon.

75.83 Intersected 1st Standard
Parallel 13 chs and 30 lks
west of Standard corner
to Townships 5 North
Ranges 38 and 39 east - N. W.
Set Basalt Stone 14x12x6
on west face of spur for
closing corner to Townships
4 North Ranges 38 and
39 east - Willamette meridian.

A Pine 8 in di. brs. S. 68° E. 65 lks dist.

" " 12 " " S 50° N 87 " "

Land: Surface Mountainous
Soil 3rd rate and worthless;
Some good Pine Fir, Tamarack
and Balsam timber on river
bottom. the river bottom
is very narrow and con-
tains no good land

June 10th 1879

Exteriors

~~Subdivisions~~ of Township No. 4 North Range 38 445
East Willamette Meridian, Oregon.

General Description
The greater part of this Township is broken and rough. In the southern and S. Eastern part there are some large plateaus covered with heavy timber; in the northern part there is a narrow strip of good timber along the river but the uplands are mostly destitute of trees.

The timber is Pine Fir and Tamarack and along the Wolla Wolla river there is some Cottonwood

FINAL AFFIDAVIT OF ASSISTANTS.

We hereby certify that we assisted

George S

Perskin

Deputy Surveyor, in surveying

the *External Boundaries of Townships 3 N. Rang 37 & Townships 4 N. Ranges 37 & 38 E.* Willamette Meridian, Oregon,

and that said lines have been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor General; and we do further swear that we each of us performed the work assigned us, faithfully to the best of our ability, in the capacity hereby indicated by our signatures.

James M Morrison Chainman.

Homer C. Perskin Chainman.

Chainman.

Archibald M. Lord Axeman.

Axeman.

Compassman.

STATE OF OREGON,

County of *Washouli*

Subscribed and sworn to before me, this *11th* day of *June* 187 *9*

J. D. Sinaller a Justice of the Peace

I George S. Pershin

Deputy Surveyor, do solemnly swear that in
pursuance of a contract with J. C. Tolman
U. S. Surveyor General of the State of Oregon,
bearing date the 19 day of September
1878, and in strict conformity with the Print-
ed Manual of Instructions, and the instruc-
tions given me by the Surveyor General, I have
faithfully surveyed the Exterior lines
of Townships 3 & 4 North Ranges 37 & 38 East
aforesaid, and do further solemnly swear that
the foregoing are the true and original field
notes of such survey.

George S. Pershin
Deputy Surveyor.

STATE OF OREGON,

County of Multnomah

Subscribed and sworn to before me, a Justice
of the Peace in and for the said County and
State, this 21 day of June 1878

H. W. Davis
Justice of the Peace

Office U. S. Surveyor General,

Portland, Oregon, June 27 1879

The foregoing Field Notes of the survey of
Exterior lines of Sps 3rd 4th N. R 37 E. and T 4 N R 38 E,
executed by George S. Pughin U. S. Dept Sur.
under his contract No. 304

Dated Sept 19 1879, having been criti-
cally examined, the necessary corrections and
explanations made, the said field notes and
the survey they describe, are hereby approved.

James C. Tolman
Surveyor General.