

FIELD NOTES

Of the survey of the *1st Stand, Par. North*
South

Lines of Township *5 N. Range 38 East*

Willamette Meridian, Oregon.

Executed by *Geo. S. Pershin*

U. S. Deputy Surveyor, under his Contract

No. *304* dated *Sept. 19, 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.

Horner 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 & 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 have been ~~severally~~ *severally* employed according to instructions and to the best of ~~our~~ *my* 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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Referring the lines to the pages of the field notes.

Town. *5 North* Range *38 East* Willamette Meridian.

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1 1st Stand. Parallel North

341

Subdivisions of Township No. _____ South Range _____

East Willamette Meridian, Oregon.

I begin at the post the corner to Townships No 5 North of the Base line Ranges No. 37 and 38 East of the Willamette Meridian. I find the post standing and properly marked and the Witness trees as described in the field notes furnished by the office viz

- A Fir 26 in. d. br N. 24° 30' E 19 lbs dist
- " " 10 " " " S. 6° 30' W. 80 " "
- " " 8 " " " N. 73° W. 60 " "

And with Burt's Improved Solar Compass I run East along the South Boundary of Section 31

ba. 20° 45' East

13.50 Leave timber course N.P.S.

1st Standard Parallel North 342 2

~~Subdivisions~~ of Township No. 5 North South Range 38 East -
East Willamette Meridian, Oregon.

- 40.00^{40.00} Set Basalt Stone 16 x 14 x 6 on
East Side of Spur for $\frac{1}{4}$ Sec
cor. No trees near
- 41.00^{41.00} bottom of gulch opens south
67.00^{67.00} on ridge extending S. W. & N. E
and enter timber
- 74.00^{74.00} Leave timber co. N. & S.
- 80.00^{80.00} Set Basalt Stone 16 x 10 x 6 on - 600
east Side of Mountain Spur
for corner to Sections
31 and 32 from which a
Pine 10 in. diam. brs. N. 85° E, 340 lbs dia
no other trees near.

Land: Surfaces very broken. by
deep gulches and Mountain
Spurs; Soil 3rd rate: good
timber in places. Fir, Pine
and Tamarack

June 2nd 1879

3

1st Standard Parallel North

343

Subdivisions of Township No. ~~South~~ Range

East Willamette Meridian, Oregon.

East on the South Boundary of Sec. 32

Pa. $19^{\circ} 45'$ East

8.00 Brook 3 lks wide course South ⁻¹⁵⁰

17.00 " 10 " " " South

40.00 Set Basalt Stone $18 \times 8 \times 6$ on
S. W. face of Mountain for $\frac{1}{4}$ Sec.
corner to Sections No. trees

60.00 on Spur extending South ⁺⁶⁰

80.00 Set Basalt Stone $16 \times 12 \times 5$ m ⁻⁵⁰⁰

Mound of stone on South
face of ridge for corner to
Sections 32 and 33.

A Pine 10 in diam. brs. N. 84° E. 330 lks dist

" " 30 " " " " N. 82° W. 450 " "

Land: Surface very broken by deep
gulches and prominent spurs; soil
third rate; Scattering Pine and
Fir timber

1st Standard Parallel North

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

344

East on the South Boundary of section 33

^{2.25} ^{32.00} ^{38.00} ^{40.00} ^{51.00} ^{64.75} ^{78.75} ^{80.00}
Ca. 22° 15' East -

2.25 Spring Branch course S.W.

32.00 Spur. Extending S.W.

38.00 on high rocky Spur. ex. S.W. + 200

40.00 Set Basalt Stone 17x12x4 on

East face of spur. for 1/4 Sec. Cor.

A Pine 36 in. di. brs. N. 18° W. 223 lbs dist

no other tree

51.00 in gulch opens S.W. - 350

64.75 on Spur. extends south

78.75 " " " " + 350

80.00 Set Basalt Stone 14x10x5 on

steep east side of Spur for corner to Sec. 33. and 34 from which

A Fir 12 in di brs. N. 76° E. 104 lbs. dist

" " 18 " " " N. 22° W. 134 " "

Land: Surface broken by spurs and gulches. extending south; Soil 3rd

rate and worthless very rocky.

Scattering Pine & Fir timber

Amu 3rd 1879

5 1st Standard Parallel North

345

Subdivisions of Township No. South Range

East Willamette Meridian, Oregon.

East on the South Boundary of Section 34

Pa. 16° E 62 1/2 -

Steep and rocky descent

21.50 Spring branch co. South ⁻⁵⁰⁰ - 500

36.50 " " " S.W. ⁺¹⁵⁰ + 150

40.00 A Fir tree 12 in. di. on N.W. side of spur. for 1/4 Sec. cor.

A Fir. 15 in. di. hrs. S. 6° E. 36 hrs. dist.

no tree on North side

53.00 On Spur extending S.W. ⁺³⁰⁰ + 300

76.00 Spring Branch co S.E.

77.00 " " " S.W.

80.00 Set Basalt Stone on S.W. face of spur. in Mound of stone for cor to Sections 34. and 35

Set Stake in Mound of stone in lieu of pits! no green trees timber all dead.

Land: Surface Mountainous; soil

3rd rate & poor timber; some

Scattering Fir and Pine timber

1st Standard Parallel North

6

346

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

East on the South Boundary of Section 35

10.00 Pa. $22^{\circ} 45'$ East

10.00 on Spur. Extending N. and S. + 350

40.00 Set Fir Post on N.E. face of
Spur. for $\frac{1}{4}$ Sec. Cor.

A Tamarack. 15 in di. brs. North 25 lbs. dist

" Fir 5 " " " S. 6° E. 31 " "

68.50 Creek 25 lbs. wide course South - 800

80.00 Set Basalt Stone $20 \times 10 \times 4$ on +400

west face of Spur for corner
to Sec. 35 and 36 from which

A Pine 10 in di. brs. N. 28° E. 17 lbs dist

" " 6 " " " N. 31° W. 11 " "

Land: Surface very broken and
mountainous; Soil 3rd rate and
worthless; Some good timber
Pine Fir & Tamarack but
mostly scattering

7th Standard Parallel North

347 Subdivisions of Township No. South Range
East Willamette Meridian, Oregon.

East on the South Boundary of Sec. 36

Ob. $19^{\circ} 45'$ East.

Along irregular South slope
of Mountain ridge

40.00 Set Basalt Stone $18 \times 10 \times 5$

on South face of spur for
 $\frac{1}{4}$ sec. cor.

A Fir. 16 in. di. br. N. 46° W. 38 lbs. dist.

No tree on south side

55.75 An impassible canyon. I

sent flag on east side of

canyon and measured a

base to South 150 lbs which

formed an angle of $8\frac{1}{2}^{\circ}$ whence

Sine $8\frac{1}{2}^{\circ}$: Co Sine $8\frac{1}{2}^{\circ}$:: Tho. : lbs
.1481 : .9889 :: 150 : 10.01

A small brook about mid. way

65.76 to Flag

80.00 A Pine 32 in. diam on S. E. face

of bluff. for corner to

Townships No. 5 North. Ranges

No. 38 and 39 East

Willamette Meridian

on first Standard Parallel
North from which a
Pine 4 Indian hrs. N. 41° E 37 lbs dist
Pine 13 " " " N. 20° W. 13 " "

Land: Surface very Mountainous
and broken. Soil 3rd rate
and worthless: Some good
timber Fir and pine
but mostly scattering.

This whole line of six miles
runs along the South side
of the dividing ridge between
the North and South forks
of the Walla Walla River and
is very broken being a
continued succession of
spurs and gulches and
has a general Southern
slope

June 4th 1879

FINAL AFFIDAVIT OF ASSISTANTS.

We hereby certify that we assisted George S. Pershin Deputy Surveyor, in surveying the first Standard Parallel on South boundary of Township 5 N. R. 38 East 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.

Wm. T. Pershin Chainman.

Chainman.

Archibald M. Lee Axeman.

Axeman.

Compassman.

STATE OF OREGON,

County of Umatilla } 21

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

J. J. Linnell a Justice of the Peace

I George S. Pershin

Deputy Surveyor, do solemnly swear that in
pursuance of a contract with James C. Tolman
U. S. Surveyor General of the State of Oregon,
bearing date the 19 day of September
1879, 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 1⁴ Standard Parallels
North of Township 5 North Range 38 East
South
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 1879

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
the 1st Standard Parallel North-through Range 38 East
executed by *George S. Pershin, U. S. Dept*
uty Surv. under his contract No. 304
Dated *Sept 19th* 187~~7~~⁸, 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. Talman
Surveyor General.