

FIELD NOTES

Of the survey of the First Standard Parallel South
South

Lines of Township 4-5 S. R. 27, 28, 29, 30, 31, 32 & 33 East

Willamette Meridian, Oregon,

Executed by George S. Pershore

U. S. Deputy Surveyor, under his contract No. 362

dated August 2^d, 1880

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

Rufus M. Morgan Chainman.

Crockett Boyer Chainman.

----- Chainman.

Sterling P. Heaney Axeman.

----- Axeman.

----- Flagman.

PRELIMINARY OATHS OF ASSISTANTS :

We, Rufus M. Morgan, Crocket Boyer and
Sterling P. Haney

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.

Rufus M. Morgan Chainman.

Crocket Boyer Chainman.

Sterling P. Haney Chainman.

Subscribed and sworn to before me, this 23d day of Aug

day of August 1880

A Mallory
Justice of the Peace

We, ~~Rufus M. Morgan, Crocket Boyer~~ and
~~Sterling P. Haney~~

do solemnly swear that we will well and truly perform the duties for which we have been severally employed according to instructions, and to the best of our skill and ability.

~~Rufus M. Morgan~~ Axeman.

~~Crocket Boyer~~ Axeman.

~~Sterling P. Haney~~ Axeman

Subscribed and sworn to before me, this

day of August 1880

A Mallory
Justice of the Peace

First Standard Parallel South 628
S. Boundary of Township No. 5 South Range 32 East
Willamette Meridian, Oregon.

East on ^a true line along the
South Boundary of sec. 36
wa. $18^{\circ} 15'$ East -

along North side near foot of ridge
39.90 A brook 5 lks. wide co. North - 50

40.00 Set Basalt stone $20 \times 14 \times 6$ on E. bank
of brook for $\frac{1}{4}$ sec. cor. a

Fir 18 in. di. brs. N. $48^{\circ} E$ 14 lks. dist.
Spruce. 10 " " " S $62^{\circ} N$. 30 " "

72.00 On level

80.00 Set Pine Post. Six inches, squared
on two sides, on level for
cor. to Townships 5 South,
Ranges. 32 and 33 East

A Pine 18 in. di. brs. N. $21^{\circ} N$. 16 lks dist
" " 8 in " " N. $73^{\circ} E$ 110 " "

Land: Surface. North slope of ridge;
Soil. 2nd & 1st rate heavy timber
Scattering on E. rocks. Tamarack Pine
and Fir. Some grass on E rocks
Some good farming land
Sep. 9th 1880

First Standard Parallel South
S. Bound of Township No. 5 South Range 33 East
Willamette Meridian, Oregon.

East on a true line along the
South Boundary of Sec. 31
Va. $18^{\circ} 45'$ East.

36.00 begin descent to deep canyon
40.00 Set Pine post on east face
of bluff for $\frac{1}{4}$ Sec. cor.
A Fir 6 in. di. brs. N. 28° W. 5 lks dist
" " 14 " " " S. 12° W. 23 " "

57.00 Spring branch. co. N. E.
73.50 Brook 25 lks wide co. N. W. - 300

80.00 Set Basalt Stone $24 \times 14 \times 8$ on $+80$
South face of bluff for cor.
to Sec. 31 and 32 a

Pine 40 in di. brs. N. 67° W. 39 lks dist
" 6 " " " N. 46° E 19 " "

Land: surface. W. 36 chs nearly level
E 44 chs. very broken. Soil. 2nd 3rd &
1st rate. Heavy timber on E. 44 chs
W. 36 chs scattering. Fir, Tamarack
and Pine. Some good farming
land

First Standard Parallel South 630
S. Boundary of Township No. 5 South Range 33 East
Willamette Meridian, Oregon.

East on a true line along the
South Boundary of Sec. 32
Bearing $19^{\circ} 00'$ East

18.00 On Spur, Extending South +250
Across spurs and small ravines

40.00 Set pine post in small open glade
in Mound of stone for $\frac{1}{4}$ Sec. cor.

A Pine 24 in. di. brs. N. 72° W. 92 lbs dist
" " 22 " " " S. 84° W. 99 " "

80.00 Set Pine post in Mound of stone
on South face of Spur for
cor to Sec. 32 and 33

A Pine 12 in. di. brs. N. 17° W. 70 lbs. west
" " 10 " " " N. 70° E 32 " "

Land: Surface very broken,
Soil 2^d & 3rd rate. Mostly
heavy timber with open glades
Pine, Tamarack and Fir
good grass in open glades

First Standard Parallel South
S. Bound. of Township No. 5 South Range 33 East
Willamette Meridian, Oregon.

Cast on a true line along the
South Boundary of sec. 33
wa. $19^{\circ} 16'$ East
40.00 Set Pine Post on level for
 $\frac{1}{4}$ Sec. cor.
A Pine 8 in di. brs. N. $22^{\circ} E$ 60 lks dis
" " 10 " " " S. $80^{\circ} N$. 51 " "
80.00 Set basalt stone $18 \times 12 \times 10$
on S.E. face of hill for
corner to Sec. 33. and 34
A Pine 10 in di. brs. N. $34^{\circ} N$. 11 lks dis
" " 5 " " " N. $52^{\circ} E$ 35 " "
Land. Surface rolling;
Soil 2nd & 3rd rate, heavy tim-
ber with open glades
Pine, Tamarack & Fir
Some young timber
under brush

First Standard Parallel South
S. Boundary of Township No. 5 South Range 33 East
Willamette Meridian, Oregon.

632

East on a true line along the
South Boundary of Sec. 34.

Dir. $19^{\circ} 15'$ East -

13.50 Spring branch co. S.W.

40.00 Set Granite Stone $14 \times 12 \times 5$ + 400
on south slope for $\frac{1}{4}$ sec. cor.

A Pine 30 in. di. brs. north 14 lbs dist
no green tree on south
irregular surface

80.00 Set Pine post on north slope - 100
for corner to Sec. 34 and 35

A Tamarack, 10 in. di. brs. N. 46° W. 51 lbs. dist
" " " 18 " " " S 28° E. 42 " "

Land: surface mountainous;
Soil 2nd & 3rd rate; heavy tim-
ber with large open glades
in places. Fir, Pine and
Tamarack

First Standard Parallel South
S. Bound. of Township No. 5 South Range 33 East
Willamette Meridian, Oregon.

East on a true line along the
South Boundary of sec. 35,
Pa. $19^{\circ} 15'$ East—

15.00 Spring branch co. N.W. -50

40.00 A Tamarack on top of peak +250
for $\frac{1}{4}$ Sec. cor.

A Pine 8 in. di. brs. N. $6^{\circ} E$ 31 lbs dist

" Tamarack, 10 " " " S. $13^{\circ} E$ 18 " "

63.50 Spring branch co. South -150

80.00 Set. Basalt Stone $18 \times 10 \times 6$ on
south face of irregular ridge
for $\frac{1}{4}$ Cor. to sec. 35 & 36

A Pine 6 in. di. brs. N. $38^{\circ} W$. 76 lbs dist

" Tamarack, 16 " " " N. $75^{\circ} E$. 211 " "

Land: Surface very broken

Soil 2^d & 3rd rate. Timber

Mostly burnt & dead. occa-

sional green groves of Pine

& Tamarack

First Standard Parallel South 44
S. Boundary of Township No. 5 South Range 33 East
Willamette Meridian, Oregon.

Cast on a true line along the
South Boundary of Sec. 36

ba. $19^{\circ} 45'$ E bet -

40.00 Set Basalt Stone $18 \times 12 \times 8$ on ⁺⁴⁰⁰
west face near top of ridge
for $\frac{1}{4}$ Sec. cor.

A Fir 10 in. di. brs. N. 47° W. 54 lbs dist

" Pine 4 " " " S 5° W. 48 " "

46.00 On ridge Co. N. & S. +20

69.00 Deep ravine at spring opens N. -300

80.00 Set Pine post 6 in. square on two ⁺²⁰⁰

sides, on point of spur ex-
tending north for corner to

Townships 5 South Ranges
33 and 34 East from which a

Tamarack, 8 in. di. brs. N. 64° W. 56 lbs cast

Fir: 10 " " " N. 48° E. 35 " "

Land: surface ~~is~~ mountainous:

Soil 2^d & 3rd rate: heavy timber on

$\frac{1}{2}$ mile. N. $\frac{1}{2}$ mile mostly open

Fir Tamarack and Pine

Sep 10th 1880

First Standard Parallel South

685

of Township No. _____ Range _____

Willamette Meridian, Oregon.

This Standard for the S. E. cor. of Township 5 South Range 26 East extends along the south slope of the western spur of the Blue mountains ranging from three to twelve miles south of their sinuous summits. Much of the land on this southern slope is good farming land and is already occupied by a number of settlers, and should all be subdivided in the near future.

In taking observations on Polaris for obtaining a Meridian, the result cannot possibly be relied on as very accurate and unless the result indicated

of Township No. _____ Range _____

Willamette Meridian, Oregon.

a very gross Material error
it is my judgment - that
the error should be attributed
to inaccuracy in taking the
observation, and not to
any derangement of the
instrument and as I have
again tested my instrument
at the established Test-
Meridian, and find it
all correct. I conclude that
there has been no derange-
ment, while operating in
the field.

My Method of taking an
observation, is by means of a
plumb line suspended by an
attachment to the compass
itself and in alignment
with the sights of the
compass

47

637

of Township No. _____

Range _____

Willamette Meridian, Oregon.

The latitude indicated
by my instrument was
 $45^{\circ} 3'$ My instru-
ment only reads to
minutes, and as near
as I could judge was, $45^{\circ} 3\frac{1}{2}'$

FINAL AFFIDAVIT OF ASSISTANTS.

We hereby certify that we assisted

George S.

Pershin

Deputy Surveyor, in surveying

the *1st Standard Parallel on South Boundaries of Township*

5 South & Range 27 28 29 30 31 32 & 33 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.

Crockett Boyer

Chainman.

Rufus M. Morgan

Chainman.

Chainman.

Sterling P. Harvey

Axeman.

Axeman.

STATE OF OREGON,

County of *Umatilla*

Subscribed and sworn to before me, this

21st

day of *September* 18 *89*

A Mallory

Justice of the Peace

OATH OF CHAINMEN.

We,

.....Chainmen, hereby certify and solemnly swear that we have carefully and faithfully chained all the lines of the surveys shown by the annexed diagram of township.....

....., and that the measurements of the same, as determined by us, are correctly recorded thereon.

We further certify that the chains used by us in the aforesaid surveys were daily compared and corrected by standard measure ; that all distances have been obtained by horizontal measurements, and that we have in all other respects discharged our duties in accordance with legal instructions.

Subscribed and sworn to before me, this.....day of

.....188.....

OATH OF AXMEN AND MOUNDMEN.

We,

.....axmen and moundmen, in the survey of.....of....., hereby certify and solemnly swear that we have carefully and faithfully marked all the true lines and corners of the said surveys upon which measurements are shown upon the diagram hereto attached, in accordance with instructions and the requirements of the surveying manual.

Subscribed and sworn to before me, this.....day of

.....188.....

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FINAL OATH OF DEPUTY SURVEYOR.

I, George S. Pershvin,

United States Deputy Surveyor, do solemnly swear that I have, in my own proper person, and with the necessary assistance, well, truly and faithfully executed the

surveys of the 1st standard Parallel south on south boundaries of Townships 5 S. R. 27. 28. 29. 30. 31. 32. & 33 East

under my contract with James C Tolman, United States Surveyor-

General for Oregon, No. 362, bearing date August 2nd

1880; that in making the said survey I have used only such instruments as were approved by the said Surveyor-General, exercising due care in the preservation of adjustments of the same; that in using the solar compass I have at no time projected established lines depending for alignment upon the magnetic needle; that I have in all respects complied with the laws of the United States governing public-land surveys, the surveying manual, and such additional instructions as have been furnished me by and through the said Surveyor-General relating to the aforesaid survey; that I have thoroughly acquainted my assistants in the field with the nature of their duties under the laws and instructions above mentioned; that to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions, and that the annexed field-notes are the original, true and correct returns of the said surveys.

George S. Pershvin
Deputy Surveyor.

Subscribed and sworn to before me, this 17th day of September 1880.

James C Tolman
Surveyor General

I -----
 Deputy Surveyor, do solemnly swear that in pursuance
 of a contract with -----
 U. S. Surveyor General of the State of Oregon, bearing
 date the ----- day of ----- 18 -----,
 and in strict conformity with the Printed Manual of
 Instructions, and the instructions given me by the Sur-
 veyor General, I have faithfully surveyed the -----
 ----- lines of Township

 ----- aforesaid, and do
 further solemnly swear that the foregoing are the true
 and original field notes of such survey.

 Deputy Surveyor.

STATE OF OREGON, }
 County of ----- }

Subscribed and sworn to before me, a -----
 ----- in and for the said County
 and State, this ----- day of ----- 18 -----

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Office U. S. Surveyor General,

Portland, Oregon, *Sept. 17* 1880

The foregoing Field Notes of the survey of *the*
1st Standard South, through Ranges
27, 28, 29, 30, 31, 32 and 33 East Willamette
Meridian Oregon

executed by *George S. Perkin U.S. Deputy*
Surveyor under his contract No. *362*

dated *August 2^d* 1880, having been
critically examined, the necessary corrections and ex-
planations made, the said field notes and the survey
they describe, are hereby approved.

James C. Talman
Surveyor General.