

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
S. Bound. of Township No. 5 South Range 30 East
Willamette Meridian, Oregon.

Cast on a true line along the
South Boundary of Sec. 36
Va. $14^{\circ}00'$ East -

along North face of bluff

4000 Set Tamarack post on N.E. face of
bluff for $\frac{1}{4}$ Sec. cor.

Pine 8 in. di. brs. N. 24° W. 19 lks. dist.

Fir 6 " " " S 52° W. 11 " "

68.00 Creek 30 lks. wide co. S.E. - 300.

8000 Set Basalt Stone $17 \times 12 \times 6$ on + 80

South face of bluff for cor.

to Townships 5 South Ranges
30 and 31 East

A Pine 8 in. di. brs. N. 48° W. 107 lks. dist

" " 22 " " " N. 71° E. 128 " "

Land: Surface very broken: soil

3rd rate part worthless. Mostly

heavy timber Tamarack Fir

and Pine. Some open glades

Much dense young growth of
timber underbrush

First Standard Parallel South 646

S. Boundary of Township No. 5 South Range 31 East
Willamette Meridian, Oregon.

East on a true line along the
South Boundary of Sec. 31

ba. 21° 00' East

Up steep face of bluff

4000 Set Basalt Stone $17 \times 12 \times 8$ on

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

Pine 20 in. di. brs. N. 73° E 240 lbs dist

No tree near on south side

4500 on spur extending S.E. + 500

5400 in ravine opening S.E. - 50

8000 Set Basalt Stone $16 \times 10 \times 6$ on + 150

level flat for corner to Sec.

31 and 32

Pine 22 in. di brs. N. 50° W. 78 lbs. dist

" 18 " " " N. 66° E 125 " "

Land: surface very broken;

Soil 3rd rate part worthless; Mostly

scattering timber with occasional

thick groves, Pine Tamarack

and Fir, no underbrush, gova

grass

617
First Standard Parallel South
S. Bound of Township No. 5 South Range 31 East
Willamette Meridian, Oregon.

East on a true line along the
South Boundary of Sec. 32
Bearing $20^{\circ} 36'$ East

40.00 Set Basalt stone $18 \times 8 \times 5$ on
steep south face of bluff for
 $\frac{1}{4}$ sec. cor. raised mound of stone
no trees near.

59.00 Steep rocky bluff N.E. & S.W.
impossible to chain. Send
flag to East side of canyon &
measure base about 600 lks
giving an angle of $12^{\circ} 12'$. by
Nat Sines & co sines gives
sin 2113 : cos 9774 :: 600 :: 27.75. Marrying

86.75 to flag. I then measure back
5.50 and find that the -1000

80.00 true corner will be near the
middle of Camas creek. therefore
80.00 at the nearest practicable point
on line east of creek set cor.
on offset making it

81.25 set $\frac{1}{4}$ Basalt stone $18 \times 10 \times 8$ +40

First Standard Parallel South 29

618

S. Boundary of Township No. 5 South Range 31 East
Willamette Meridian, Oregon.

on steep N.W. face of creek bluff
for offset con. to Sec. 32 & 33

A Fir 16 in. di. br. N. 57° W. 34 lbs diet

" " 14 " " " N. 64° E. 50 " "

Camas Creek 75 lbs wide
co. S. E.

Land: surface very steep &
Precipitous; soil mostly 3rd sub
some workable down 2nd rate on
West 1/2 mile; a few scattering
pine trees. no underbrush,
good bunch grass.

619
First Standard Parallel South
Boundary of Township No. 5 South Range 31 East
Willamette Meridian, Oregon.

East on a true line along the
South Boundary of Sec. 33
— wa. $20^{\circ} 30'$ East —

Steep ascent

40,000 Set Basalt Stone $14 \times 10 \times 8$ on ⁺⁸⁰⁰
top of bluff for $\frac{1}{4}$ sec. cor.

A Pine 36 in di. lbs. N. 18° W. 300 lbs dist

" " 36 " " " S. 13° W. 119 " "

80,000 Set Basalt Stone $18 \times 7 \times 6$ on
level for cor to Sec. 33 & 34

A Pine 8 in di. lbs. N. 58° W. 64 lbs. dist.

" " 8 " " " N. 54° E 39 " "

Land: Surface West $\frac{1}{2}$ mile very steep
broken & rocky. $\frac{1}{2}$ mile nearly level.

Soil 3rd & 2nd rates heavy timber on
W. $\frac{1}{2}$ mile $\frac{1}{2}$ mile scattering;

Pine Fir and Tamarack.

Some under brush on W. $\frac{1}{2}$ mile

$\frac{1}{2}$ mile open and good
bunch grass.

First Standard Parallel South 30
S. Boundary of Township No. 5 South Range 31 East 620
Willamette Meridian, Oregon.

East on a true line along the
South Boundary of sec. 34,
Pa. $20^{\circ} 15'$ East.

4000 Set Basalt stone $18 \times 10 \times 4$ - 50
on E face of small bluff for
 $\frac{1}{4}$ sec. cor.

Pine 24 in. di. brs. N. 3° W. 133 lbs. dist.
" 20 " " " S. 7° E 41 " "

4050 Ravine opens East - 10

8000 Set Basalt stone $20 \times 12 \times 8$ + 100

Post in mound of stone on
West slope for cor. to sec.

34 and 35. Stone mound
4 ft in diameter and 2 ft high
no trees

Land surface undulating and
sloping westward soil 2' rate
good grass. Scattering groves
of Pine timber. no brush

Took observation on Polaris at Eastern
elongation, and in the morning my compass
indicated a course $5'$ East of true meridian

September 7th 1880

First Standard Parallel South
S. Boundary of Township No. 5 South Range 31 East
Willamette Meridian, Oregon.

East on a true line along the
South Boundary of Sec. 35

Pa. $19^{\circ}45'$ East—

40.00 Set Basalt Stone $20 \times 14 \times 12$ on
level for $\frac{1}{4}$ Sec. cor. in
Mound of Stone. No trees.

40.50 Wagon Road Co. N. & S.

80.00 Set Basalt Stone $18 \times 14 \times 5$ +150
and post in Mound of
Stone on slight north
slope for cor. to Sec.
35 and 36. No trees.

Land: surface undulating;
Soil 2' rate some 3' rate and
stone, occasional groves
of Pine timber, good
grap. Some farming land
but mostly grazing

First Standard Parallel South

622

S. Boundary of Township No. 5 South Range 31 East
Willamette Meridian, Oregon.

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

No. $19^{\circ} 15'$ East -

4000 Set Basalt Stone $20 \times 8 \times 7$ on
slight N. W. slope for $\frac{1}{4}$ sec. cor.
No trees

8000 Set Basalt Stone $22 \times 11 \times 8$ ⁺¹⁵⁰
and Post in Mound of Stone
on slight N. W. slope for
cor. to Townships 5 South
Ranges. 31 and 32 East -

Pine 42 in. di. brs. N. $52^{\circ} E$ 159 lbs. dia
no other trees

Land: surface undulating;
Soil 2nd and 3rd rate; some
scattering pine timber;
good bunch grass. Some
good farming land, but
mostly only good for grazing

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.