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# FIELD NOTES

OF THE SURVEY OF THE

Correction of Subdivisions of Township No.4 North, Range No.38 East,

Of the Willamette Meridian,

State of Oregon.

AS SURVEYED BY

Robert F. Omeg, United States Deputy Surveyor,

Under his Contract No. 761, dated June 16, 1905

Survey commenced May 4, 1907

Survey completed May 6, 1907.

6-151

*Transcribed  
June 8-07 - J.E.D.*

NAMES AND DUTIES OF ASSISTANTS.

Robert F. Omeg, Chainman.

Homer D. Angell, Chainman.

Robert F. Omeg, Axman.

# INDEX DIAGRAM.

Township No.4 N., Range No.38 East.

6	5	4	3	2	1
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o Lat 45° 49' N  
 118° 7' W  
 Var 23° 30' E

PRELIMINARY OATHS OF ASSISTANTS.

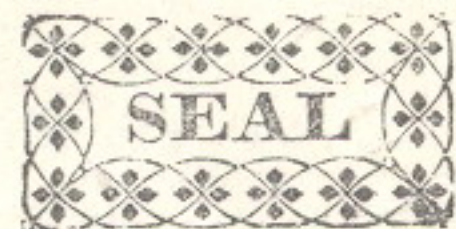
WE, Robert F. Omeg and Homer D. Angell

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

Township No.4 North, Range No.38 East,

Robert F Omeg, Chainman.
Homer D Angell, Chainman.

Subscribed and sworn to before me this 3rd day of May, 1907



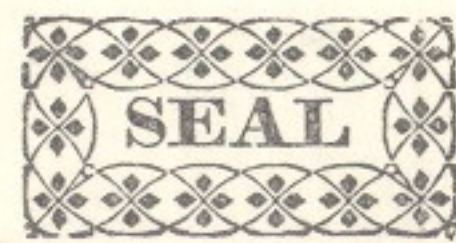
A. Patton County Clerk
By J. R. Angle Deputy

WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

Moundman.
Moundman.

Subscribed and sworn to before me this day of 190



WE, I, Robert F. Omeg, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

Township No.4 North, Range No.38 East,

Robert F Omeg, Axman.
Axman.

Subscribed and sworn to before me this 3rd day of May, 1907



A. Patton, County Clerk
By J. R. Angle Deputy

I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

Flagman.

Subscribed and sworn to before me this day of 190



Supplemental Field Notes.

Subdivisions Township 4 North, Range 38 West, W.M.

Chains

In accordance with letter ~~No. 956~~, dated April 25, 1907, of U.S. Surveyor General for Oregon, and letter E, dated April 15, 1907, of the Assistant Commissioner of the General Land Office, I proceed to make corrections in the field of the survey of Township 4 North, Range 38 East, W.M., under my Contract No. 761, dated June 16, 1905. Survey commenced May 4, 1907, and executed with a W. & L. E. Gurley solar compass No. 210. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the lat. and decl. arcs. The instrument was examined and tested on the true mer. at Portland, Oregon, *July 14* 1905, found correct, and was approved by the Surveyor General for Oregon.

Preliminary to this survey, I examine the adjustments of the compass and correct the level errors. Then, in order to test the solar apparatus by comparing its indications resulting from solar obsns. made during a.m. and p.m. hours with a mer. determined by obsn. on Polaris, I proceed as follows:

Near the cor. of secs. 17, 18, 19 and 20, Tp. 4 N., R. 38 E., lat.  $45^{\circ} 49' N.$ , long.  $118^{\circ} 7' W.$ , I set off  $45^{\circ} 49' N.$  on the lat. arc,  $15^{\circ} 52' N.$  on the decl. arc, and at 3 h. 47 m., p.m., l.m.t., determine a meridian with the solar and mark a point thereof on a stone, firmly set in the ground 5 chs. North of my station. May 4, 1906.

May 5: At 4 h. 41.5 m., a.m., l.m.t., by my watch, which is set for mean solar time, I observe Pol. at Eastern elong., in accordance with Manual instructions, and mark a point thereof in the line thus determined on a peg driven in the ground 5 chs. North of my station.

At 7 h. 30 m., a.m., l.m.t., I lay off the azimuth of Pol.  $1^{\circ} 42.4'$  to the W. and mark the mer. thus determined by a small groove on the stone set May 4, on which the mer. falls on the mark determined by the solar.

## Supplemental Field Notes.

Subdivisions Township 4 North, Range 38 East, W.M.

Chains

At 7 h.57 m., a.m., l.m.t., I set off  $45^{\circ}49'$  on the lat.arc;  $16^{\circ}3'$  N. on decl.arc, and mark a point in the mer. determined by the solar by a cross (X) on the stone already set 5 chs. N. of my station. This mark falls in the mer. established by Pol.obsn.

The solar apparatus by a.m. and p.m. obsn. defines position for mer. in the mer. established by Pol.obsn. Therefore I conclude that the adjustments of the instrument are satisfactory.

The mag. bearing of the true mer. at 8 h. 30 m., a.m., l.m.t., is  $N.23^{\circ}30' W.$  The angle thus determined gives the mag. decl. of  $23^{\circ} 30'$  East.

 $\frac{1}{4}$  sec.cor. of secs. 20 and 29.

May 5: At 8 h.57 m., a.m., l.m.t., I set off  $45^{\circ}48'$  on the lat.arc;  $16^{\circ}4' N.$  on the decl.arc, and determine a true mer. with the solar at the  $\frac{1}{4}$  sec.cor. bet. secs. 20 and 29.

This corner is reported by William B. Douglas, Examiner, to be in error, as follows:

"The  $\frac{1}{4}$  sec.cor. is not marked; one B.T. northwesterly from  $\frac{1}{4}$  cor. is mkd. for sec. 29 instead of sec. 20."

An examination of the stone and of the northwesterly tree shows the Examiner to be in error. The cor. stone is plainly mkd.  $\frac{1}{4}$  on N. face and the northwesterly tree is mkd.  $\frac{1}{4}$  S 20 B T.

The B.T. South of the line is reported in my original returns as bearing S.  $31^{\circ}$  E. The true bearing of this tree is S.  $31^{\circ}$  West.

 $\frac{1}{4}$  sec.cor. bet. secs. 20 and 21.

The Examiner also reports that the  $\frac{1}{4}$  post bet. secs. 20 and 21 is mkd. 20 on N. and 21 on S. side. The Examiner is in error, as the post sets squarely with the cardinal directions and is mkd.  $\frac{1}{4}$  S 20 on W. and 21 on E. face.

 $\frac{1}{4}$  sec.cor. for secs. 17 and 20.

In accordance with the Commissioner's letter wherein he states that I should have established separate  $\frac{1}{4}$  sec.cors. for secs. 17 and 20, and in accordance with the Examiner's

Supplemental Field Notes.

Subdivisions Township 4 North, Range 38 East, W.M.

Chains

38.22

report that I should have established the true  $\frac{1}{4}$  sec.cor. instead of a W.C. on line bet.secs.17 and 20, I destroy the witness  $\frac{1}{4}$  sec.cor.bet.secs.17 and 20, and obliterate the marks on the witness trees, and on said line at N.  $89^{\circ} 39'$  West from the cor. of secs. 20 and 21 I set a basalt stone, 18x8x6 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec.cor. sec.17, mkd.  $\frac{1}{4}$  on N. face, from which

A fir, 14 ins.diam., bears N.  $82\frac{1}{2}^{\circ}$  E., 127 lks. dist., mkd.  $\frac{1}{4}$  S 17 B T.

40.05

A fir, 4 ins.diam., bears N.  $79\frac{1}{2}^{\circ}$  W., 32 lks.dist., mkd.  $\frac{1}{4}$  S 17 B T; and on said line at N.  $89^{\circ} 39'$  West <sup>from</sup> the cor. of secs. 20 and 21, I set a basalt stone, 15x8x6 ins., 10 ins. in a mound of stone, on stony East slope, for  $\frac{1}{4}$  sec.cor. sec.20, mkd.  $\frac{1}{4}$  on S. face, from which

A tamarack, 9 ins.diam., bears S.  $25^{\circ}$  E., 291 lks. dist., mkd.  $\frac{1}{4}$  S 20 B T.

A fir, 20 ins.diam., bears S.  $83^{\circ}$  W., 85 lks.dist., mkd.  $\frac{1}{4}$  S 20 B T.

Sec.cor. for secs. 16 and 17.

May 5: At 11 h. 57 m., <sup>11.57 AM</sup> l.m.t., I set off  $16^{\circ} 6'$  N. on decl.arc, and observe the sun on the meridian at the cor. of secs. 16 and 17; the resulting lat. is  $45^{\circ} 49'$ .

The Examiner reports 5 trees within limits, none marked for bearing trees, at this corner. This corner is situated on exceptionally steep precipitous West slope, in sliding rocks. The trees reported by the Examiner are "small scrub pine and fir" growing in rocks. My experience has been that these trees live but a few years and do not grow to any size. For that reason I did not mark them, believing that

## Supplemental Field Notes.

Subdivisions Township 4 North, Range 38 East, W.M.

## Chains

a stone mound would make a more durable corner.

At this corner I mark the following trees:

A pine, 5 ins.diam., bears N.  $16\frac{3}{4}^{\circ}$  E., 79 lks.  
dist., mkd. T 4 N R 38 E S 16 B T.

A fir, 5 ins.diam., bears N.  $11\frac{3}{4}^{\circ}$  W., 184 lks.  
dist., mkd. T 4 N R 38 E S 17 B T.

Retrace N.  $0^{\circ}$   $3'$  W. bet. secs. 16 and 17.

From this cor. I retrace

N.  $0^{\circ}$   $3'$  W. bet. secs. 16 and 17.

39.80 Intersect the  $\frac{1}{4}$  sec.cor.

79.80 Intersect cor. for secs. 8, 9, 16 and 17.

Note: I re-chain this line twice in order to satisfy myself that my chaining is correct. The measurement both times was practically the same. Therefore the original notes in my returns for this line should be changed to show this line 79.80 instead of 80.00 chs.; the  $\frac{1}{4}$  sec.cor. being set 40.00 chs. from the cor. of secs. 8, 9, 16 and 17 on sectional correction line.

Retrace N.  $0^{\circ}$   $3'$  W. bet. secs. 8 and 9.

From the cor. of secs. 8, 9, 16 and 17, I retrace

N.  $0^{\circ}$   $3'$  W. bet. secs. 8 and 9, and at

40.65 Intersect the  $\frac{1}{4}$  sec.cor.; therefore I move this cor. S.  $0^{\circ}3'E.$  65 lks., at which point I set a basalt stone, 15x8x5 ins., 10 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, from which

A fir, 12 ins.diam., bears S.  $86\frac{1}{2}^{\circ}$  E., 30 lks.dist.,  
mkd.  $\frac{1}{4}$  S 9 B T.

A fir, 24 ins.diam., bears S.  $24\frac{1}{2}^{\circ}$  W., 59 lks.dist.,  
mkd.  $\frac{1}{4}$  S 8 B T.

I obliterate the marks on the old witness trees.



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Chains

W

I continue the retrace N. 0° 3' W.

64.65 Foot of descent, 300 ft. below sec.cor.

Thence over river bottom.

65.65 Walla Walla River, 50 lks.wide, course W.

67.15 A trail, bears E. and W.

69.65 Begin steep precipitous ascent.

80.00 Intersect the cor. of secs. 4, 5, 8 and 9.

May 5, 1907.

Cor. of secs. 7, 8, 17 and 18.

May 6: At 7 h. 57 m., a.m., l.m.t., I set off  
16° 20' N. on the decl.arc; 45° 50' on the lat.arc,  
and determine a true meridian with the solar at the  
cor. of secs. 7, 8, 17 and 18.

I find this cor. to be witnessed as follows:

A fir, 10 ins.diam., bears N. 8° E., 78 lks.dist.,  
mkd. T 4 N R 38 E S 8 B T.

A fir, 12 ins.diam., bears S.26° E., 111 lks.dist.,  
mkd. T 4 N R 38 E S 17 B T.

A fir, 16 ins.diam., bears S.50° W., 136 lks.dist.,  
mkd. T 4 N R 38 E S 18 B T.

A fir, 10 ins.diam., bears N. 14½° W., 99 lks.dist.,  
mkd. T 4 N R 38 E S 7 B T.

*Robert F. Oney*

U.S. Deputy Surveyor.

May 6, 1907.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Robert F. Omeg, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Subdivisions of Township No.4 North, Range No.38 East, showing the respective capacities in which they acted:

- Robert F. Omeg, Chainman.
Homer D. Angell, Chainman.
Moundman.
Moundman.
Robert F. Omeg, Axman.
Axman.
Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Robert F. Omeg, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivisions of Township No.4 North, Range No.38 East.

of the Willamette meridian, State of Oregon, which 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 United States Surveyor General for Oregon

- Robert F. Omeg, Axman and Chainman.
Homer D. Angell, Chainman.
Moundman.
Moundman.
Axman.
Axman.
Flagman.

Subscribed and sworn to before me this 8th day of May, 1907

J. Patton County Clerk
By H. Angell Deputy



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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Robert F. Omeg, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from John D. Daly United States Surveyor General for Oregon, bearing date of the 16th day of June, 1905, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Oregon, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Township No.4 North, Range No.38 East.

of the Willamette meridian, in the State of Oregon, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Oregon and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Robert F. Omeg  
United States Deputy Surveyor.

Subscribed by said Robert F. Omeg, and sworn to before me }  
this 8<sup>th</sup> day of May, 1907



J. Bolton County Clerk  
and ex officio clerk of the Circuit Court.  
of Wash. Co. Or. By J. R. Angle Deputy

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Portland Or June 29, 1907

The foregoing <sup>corrected</sup> field notes of the survey of the

Subdivisional Lines of Township  
4 North Range 38 East Will. Mer  
Oregon

executed by Robert F Omeg U.S. Deputy Surveyor under his contract No. 761, dated June 16, 1905, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

John D. Daly  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in T.4 N. R.38 E. W.M. Or., has been correctly copied from the original notes on file in this office.

John D. Daly  
United States Surveyor General.