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Book "C".

FIELD NOTES

Resurvey
OF THE SURVEY OF THE

1st Standard Parallel North, through Range 38 East, being the
South boundary of section 35.

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, 190

Survey commenced July 29, 1905, 190

Survey completed July 29, 1905., 190

6-151

Transcribed
OCT 20 1905
D. Matin

NAMES AND DUTIES OF ASSISTANTS.

Charley L. Weatherly Chainman.

Chester J. Karker Chainman

Dale H. Babcock Chainman

George Talbert Chainman

Charley L. Weatherly Axman.

Chester J. Karker Axman.

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July ²⁹ 17, 1905: No one authorized to administer oaths, other than myself, being available without great inconvenience delay and expense, I administer the required preliminary oaths.

Robert F. Omer
.....
United States Deputy Surveyor.

INDEX DIAGRAM.

A portion of the First Standard Parallel North
Township 4 North, Range 38 East, W. M.

				②	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Charley L. Weatherly, Chester J. Karker, Dale H. Babcock & George Talbert 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 and resurvey of the portions of the 1st Standard Parallel North through range 38 east as shown in the following field-notes.

Charley L. Weatherly, Chainman.

Chester J. Karker, Chainman.

Dale H. Babcock, chainman

George Talbert, chainman

Robert F. Omega
United States Deputy Surveyor.

Subscribed and sworn to before me this 17th day of July, 1905



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 _____

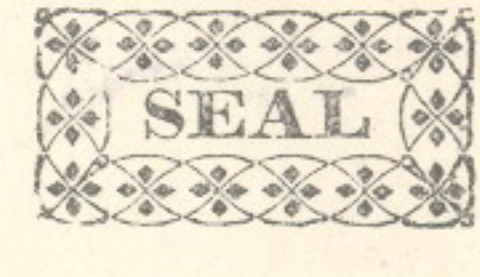


WE, Charley L. Weatherly and Chester J. Karker do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of and resurvey of the portions of the 1st Standard Parallel North through range 38 east as shown in the following field-notes.

Charley L. Weatherly, Axman.

Chester J. Karker, Axman.

Subscribed and sworn to before me this 17th day of July, 1905

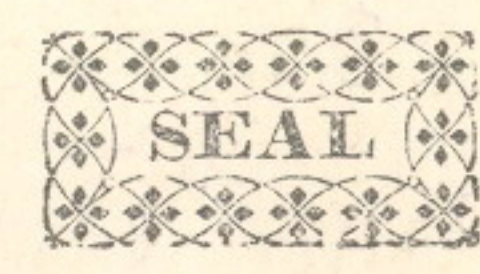


Robert F. Omega
United States Deputy Surveyor.

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 _____



Resurvey of a Portion of the 1st Standard Parallel North 1.
through Range 38 East.

Survey commenced July 28, 1905 and executed with a W. and 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 latitude and declination arcs.

The instrument was examined, tested on the meridian at Portland, Oregon, and was approved by the United States Surveyor General for Oregon, July, 24 1905.

I examine the adjustments of the compass and correct the level errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by an observation on Polaris, I proceed as follows:

I begin at the Standard Corner ^{of Secs.} 34 and 35 on the first Standard Parallel North, Range 38 East, which is a basalt stone, 5 X 16 X 10 ins. above the ground marked and witnessed as described by the surveyor general. ^{stop} Latitude, 45° 52' North; Longitude, 118° 4' West.

At 4 h. p.m., l.m.t., I set off 45° 52' N. on the lat. arc; 18° 69' N. on the decl. arc; and mark the meridian thus determined with the solar by a cross on a stone firmly set in the ground 5 chains north of the instrument.

At 11h. 5 m. p. m., by my watch which is set for mean solar time, I observe Polaris at eastern Elongation, in accordance with the instructions in the Manual, and mark the line thus determined by a tack driven in a ^o wooden peg set in the ground five chains north of my station.. July 28, 1905.

Resurvey of a Portion of the First Standard Parallel
North, through Range 38 East.

July 29, 1905. At 6 h. a. m., l. m. t., I lay off the azimuth of Polaris, $1^{\circ} 43.5'$ to the west and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls on the mark determined by the solar.

At 7 h. a. m., l. m. t. I set off $45^{\circ} 52'$ N. on the lat. arc; $18^{\circ} 52'$ N. on the decl. arc; ; and mark the meridian determined with the solar by a cross on the stone already set five chains north of my station; this mark falls in the meridian established by Polaris observation.

The solar apparatus, by p. m. and a. m. observations, defines positions for meridians in the meridian established by Polaris observation.

Therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian, established by Polaris observation, at 8. h. a. m. is N. $23^{\circ} 30'$ W. ; the angle thus determined gives the magnetic declination $23^{\circ} 30'$ E. From cor. above described

Begin Thence I run, on a resurvey,

S. $89^{\circ} 57'$ E., on the 1st Standard Parallel
North and S. bdy of sec. 35.

Ascend ~~west~~ through scattering timber and dense undergrowth.

10.00 Top of spur, 50 ft. above sec. cor., extending S.
Descend SE. slope.

39.55 Intersect the old standard $\frac{1}{4}$ sec. cor. which is a basalt stone 36 X 30 X 30 ins. marked as described by the surveyor general. The mound and mound of stone described by the surveyor general are gone. I reestablish the cor. at the same point as follows:

No difference between measurement by two sets of chainmen.

Set a basalt stone, 36 X 30 X 30 ins. in a mound of stone on stony ground marked S C $\frac{1}{4}$ on N. face; and raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.

Therefore the W. half of this line bears S. $89^{\circ} 57'$ E and is 39.55 chains in length.

Resurvey of a Portion of the First Standard Parallel

3.

North, though Range 38 East.

I continue the rsurvey, S.89° 57' E.

59.70 Foot of descent, 750 ft. below top of spur .
A creek, 25 lks. wide, course S.
Begin ascent of W. slope.

79.10 Fall 34 lks. N. of the standard cor. of secs. 35 and
36 which is a basalt stone 5 X 18 X 12 ins. above
ground marked and witnessed as described by the
surveyor general.
No differnce between measurement by two sets of chainmen.
Therefore the E. half of this line is 39.55 chains
in length and bears S. 89° 28' E.
Land mountainous.
Soil, light, 3 rd rate.
Timber fir and pine; undergrowth, laurel and wild
berry.
Mountainous or heavily timbered land or land covered
with dense undergrowth and exceptionally difficult
to survey, 79.10 chains.

July 29, 1905.

Robert F. Oney
.....

U. S. Deputy Surveyor.

July 29, 1905.

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 and resurvey of the portions of the 1st Standard Parallel North through range 38 east as shown in the preceeding field-notes, showing the respective capacities in which they acted:

Charley L. Weatherly Chainman.

Chester J. Karker Chainman.

Dale H. Babcock Chainman ~~.....~~

George Talbert Chainman ~~.....~~

Charley L. Weatherly Axman.

Chester J. Karker 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 1st Standard Parallel North through range 38 east as shown in the preceeding field-notes.

..... 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

Charley L. Weatherly Chainman.

Chester J. Karker Chainman.

Dale H. Babcock ~~Chainman~~

George Talbert ~~Chainman~~

Charley L. Weatherly Axman.

Chester J. Karker Axman.

....., Flagman.

Subscribed and sworn to before me this 29th

day of July, 1905

Robert F. Omeg

United States Deputy Surveyor.



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~~ resurveyed all those parts or portions of the 1st Standard Parallel North through range 38 east

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 16th day of Sept, 1905

A. Bellor



County Clerk for Wasco County, Oregon and
ex-officio Clerk of the Circuit Court.
APPROVAL. by J R Augle Deputy

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Portland Or January 3, 1906

Re. The foregoing field notes of the survey of Portion of the
First Standard Parallel North
Through 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 Willamette Range 38 E. has been correctly copied from the original notes on file in this office.~~

~~John D. Daly
United States Surveyor General.~~

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July 29, 1905: No one authorized to administer oaths, other than myself being available without great inconvenience delay and expense
final
I administer the required oaths.

Robert F. Omeq
.....

United States Deputy Surveyor.