

FIELD NOTES

365

Of the survey of the Exterior
 Lines of T 2 N R 37 & 38 E and
T 3 N R 38 & 39 E, Willamette Meridian,
 Oregon, as surveyed by Jacob C
Cooper, U. S. Deputy Surveyor,
 under his Contract No. 397, dated
July 14, 1881

Survey commenced, Sept 26 1881
 Survey completed, Oct 10 1881

NAMES AND DUTIES OF ASSISTANTS.

....., Compassman.
Chas D Goodrough, Chainman.
R D Cooper, Chainman.
, Chainman.
, Chainman.
R M Morgan, Axeman.
John DeBoie, Axeman.
, Flagman.

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PRELIMINARY OATHS OF ASSISTANTS:

We, R. D. Cooper

do solemnly swear that we will faithfully execute the duties of Chain Carriers, that we will level the chain over even and uneven ground, and plumb the tally pins, either 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 will assist in measuring, to the best of our skill and ability, and in accordance with the instructions given us in

the survey of the Exterior

lines of T 2 N R 37 & 38 E
and T 3 N R 38 & 39 E Willamette Meridian, Oregon.

R. D. Cooper, Chainman.

_____, Chainman.

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me, this Twenty sixth
day of September 1881.

[SEAL.] Jacob C. Cooper
U. S. Dep Surveyor

We, John De Boie and

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

skill and ability, in the survey of the Exterior of T 2 N R 37 & 38 E
and T 3 N R 38 & 39 E Willamette Meridian Oregon.

_____, Axeman.

John De Boie, Axeman.

Subscribed and sworn to before me, this Twenty sixth
day of September 1881.

[SEAL.] Jacob C. Cooper
U. S. Dep Surveyor

STATE OF OREGON,

County of Union.

} ss.

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We Jeff D Fenton, W. T. Slater
R. M. Morgan & C. D. Goodrough do
solemnly swear that we will well and faithfully
execute the duties of Chain carriers, 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 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 and in accordance
with instructions given us in the survey
the exterior lines of Townships 2 North Ranges
37³⁸ & 38 East. Townships 3, 4, 5^{omitted} & 6 North
Ranges 39 East

Jeff. D. Fenton	Chairman
W. T. Slater	Chairman
R. Morgan	Chairman
C. D. Goodrough	Chairman

367A

Subscribed and sworn to before me
this 16 day of July 1881

J. G. M. King
Notary Public for Oregon.

STATE OF OREGON,

County of Union.

SS.

367B

We R. M. Morgan & C. D. Goodnough
do solemnly swear that we will
well and truly perform the
duties of assessors in the
establishment of corners and
other duties according to instructions
given us and to the best of our
skill and ability in the survey
of the exterior lines of Townships
2 North Ranges 37 & 38 East,
Townships 3, 4, 5, & 6 North Range 39
East

R M Morgan Assessor
C D Goodnough Assessor

Subscribed and sworn to before me
this 16 day of July 1881

Geo. W. King
Notary Public for Oregon.

Exterior of Township No. 2 N Range 38 E.

Willamette Meridian, Oregon.

Chains W		bears S 32° E 43 lks dist
		Marked 1/4 S. B. 7.
		Ascend gradually thru timber and dense undergrowth
77.18		Township corner 1 & 2 N. Rs 37 & 38 E
		Land rolling and mountainous, last half mile gentle ascent
		Soil gravelly 4 rate last half mile 3rd rate
		Timber Fir, Tamarack and pine

Oct 4 1881

Thence

North bet. secs. 31, & 34,

ba. 20° 15' E

Ascend slightly thru heavy timber and dense underbrush

Descend slightly

Slight windfall & undergrowth

Ascend slightly "

7.50

15.00

34.00

410
40
Exteriors of Township No. 2 N Range 38 E.
Willamette Meridian, Oregon.

Chains N

37.50

Descend

40.00

Set post $3\frac{1}{2}$ ft long 3 in square marked $\frac{1}{4}$ S on E & W faces for $\frac{1}{4}$ sec Cor in heavy timber and undergrowth sloping N. E. from where a fir 12 in diam bears N 31° E 35 lks dist marked $\frac{1}{4}$ S. B. 7.

A fir 16 in diam bears N 60° W 37 lks dist marked $\frac{1}{4}$ S. B. 7.

41.00

Level, heavy timber

45.00

Ascend in heavy timber and dense undergrowth

65.00

Descend

75.30

Spring branch course E ascend abruptly

80.00

Set post 4 ft long 4 in square 2 ft in ground

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Exteriors of Township No. 2 N Range ~~38~~ 41 E.
Willamette Meridian, Oregon.

Chains North for cor. To secs 25, 30, 31, & 36,
on summit of ridge course
of ridge east & west, 100 ft
above spring branch, sum-
mit of ridge open, post is marked
T 2 N S 30 on N. E.
- R 38 E S 31 on S E
R 37 E S 36 on S. W. and
S 25 on N. W. faces with
1 notch on S and 5 notches on
North edges, from which
A pine 30 in diam bears S 22°
E 122 lbs dist marked -
T 2, N, R, 38, E, S, 31, B. 7.
A fir 30 in diam bears South
12° W 110 lbs dist marked -
T 2 N R 37 E S 36 B. 7.
A fir 26 in diam bears N
40° W 13 lbs dist marked
T, 2, N, R, 37, E, S, 25, B, 3,
A fir 12 in diam bears N

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42
Extensiors of Township No. 2 N Range 38 E

Willamette Meridian, Oregon.

Chains North 77° E 22 lks dist marked
T. 2, N. R. 38, E. S. 30, B. 7
Land a succession of
ridges extend down to
Willow Creek which
runs parallel with this
line about $\frac{1}{2}$ mile to
the east. this point is
about 900 ft above said
Creek

Soil gravelly 3rd Rate
Timber heavy fir, tam-
arack and pine. ~~etc~~

North bet secs 25 + 30

on 21° E

Descend heavy timber
and very dense under
growth

18.50

Spring branch course E
Ascend abruptly

Exterior of Township No. 2 N Range 38, E

Willamette Meridian, Oregon.

Chains North

31.50

Summit of ridge Course E. & W.
Descend thru dense young
fir, Spruce and Tamarack

40.00

Set post $3\frac{1}{2}$ ft long 3 in.
square $1\frac{1}{2}$ ft in ground
marked $\frac{1}{4}$ S for $\frac{1}{4}$ Sec. Cor,
on N. E. side of mountain
100 ft below summit, from which

A fir 22 in diam bears S
 10° E, 39 lks, dist. marked, $\frac{1}{4}$ S, B, J,

A fir 3 in diam bears N 44° W
18 lks dist. - marked, $\frac{1}{4}$ S, B, J,

52.50

Dry Creek Course E.

53.25

Sumnerville and warm
springs road course N. W.
& S. E.

Bar 23° E

62.00

Ascend thru open timber
summit of ridge 500 ft
above road just passed

44

Exterior of Township No. 2 N Range 38 E
Willamette Meridian, Oregon.

Chains	North	Parallel with summit of ridge
80.00		Marked a fir tree 18 in diam for cor to Secs 19, 24, 25 & 30, on west summit of ridge. T 2 N S. 19 on N. E. R 38 E S 30 on S. E. R 37 E S 25 on S W and S. 24 on N. W. faces from which A pine 20 in diam bears S. 36° E. 4 lks dist - marked T 2 N R 38 E S 30 B. T. A fir 12 in diam bears N 37° E. 17 lks dist - marked - T 2, N. R. 38, E. S. 19, B. T. A fir 26 in diam bears N 40° W. 96 lks dist - marked T 2 N R 37 E S 24 B. T. A fir 14 in diam bears S 48° W. 63 lks dist - marked

Exteriors of Township No. 2 N Range 43 E. E

Willamette Meridian, Oregon.

Chains N 72 NR 37 E S 25 B. T.
 Land rough mountainous
 and broken
 Soil gravelly 4th rate
 Timber fir pine and
 tamarack,

North bet secs 19 and 24,

wa 21° 45' E

Descend gradually along
west side of mountain
in heavy timber,

34.35

40.00

Dry Creek, ^{Course S 10° W} ascend slightly
 set post 50 ft above creek
 on hillside, post 3 1/2 ft long
 3 in square 1/2 ft in ground
 marked 1/4 S on east & West
 faces for 1/4 sec Cor, from which
 A fir 2 1/2 in diam
 bears S. 48° E 10 lks
 dist marked 1/4 S B. T.

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Extensions of Township No. 2 N Range 38 E
Willamette Meridian, Oregon.

Chains North	A fir 13 ins diam bears S 43° W 26 lks dist. marked 1/4 S, B, 3, ^{var 23' E} Enter young pine timber and undergrowth Descend
60.00	
64.00	Ascend
67.50	Enter glade
70.00	Enter timber and undergrowth
80.00	Set post on south hillside 4 ft long 4 in square 2 ft in ground for Cor to secs 13, 18, 19 & 24. Marked T, 2, N S 18 on NE R 38 E S 19 on SE R 37 E S 24 on SW S 13 on NW faces with 3 notches on N and S edges from which

47
Exterior of Township No. 2 N Range 41⁷ 38 E

Willamette Meridian, Oregon.

Chais N. A pine 24 ins diam bears
S 23° E 19 lks dist marked
T. 2, N. R. 38. E. S. ~~18~~¹⁹ B. 7.

A fir 24 ins diam bears
43° E 46 lks dist marked
T 2 N R. 38 E S. 18 B. 7.

A fir 30 ins diam bears N. 20°
W 40 lks dist marked
T. 2, N. R. 37, E. S. 13, B. 7.

A fir 30 ins diam bears S,
73° W 98 lks dist marked
T 2 N R 37 E S. 24, B. 7.

Land high rolling and
mountainous.

North Soil gravelly 2nd rate,
Timber fir, pine and
tamarack

North But secs 13 & 18

ba 22° E

418
E. A. 18
Exteriors

48

of Township No. 2 N Range 38 E

Willamette Meridian, Oregon.

Chains	North	Ascend thru large scattering pine and fir and dense chaparral
6.00		Summit of ridge Course east & west.
		Descend
19.75		Bottom of ravine
		Ascend
40.00		Set post - $3\frac{1}{2}$ ft - long 3 ins square $1\frac{1}{2}$ ft in ground marked $\frac{1}{4}$ S on east and west faces for $\frac{1}{4}$ sec or on west side of summit of high ridge
		A fir 16 ins diam bears N. 48° W. 54 lbs dist, marked $\frac{1}{4}$ S B T
		A pine 18 ins diam bears S. 73° E. 55 lbs dist marked $\frac{1}{4}$ S. B. T.
		On 22° E
45.50		Descend thru heavy pine and fir timber

49

4198 E.

Extremities of Township No. 2 N Range 38 E.

Willamette Meridian, Oregon.

Chain North

47.50

Glade 6.50 chs wide ascend

54.00

Enter timber descend

65.00

Spring branch course N 75° west, ascend

80.00

Set post on Southeast hillside in fir timber and dense undergrowth for cor to secs. 7, 12, 13, & 18

Post 4 ft long 4 ins diam 2 ft in ground marked

T, 2, N, S, 7, on N. E.

R 38 E S 18 on S E

R 37 E S 13 on S W and

S, 12, on ~~N~~ W, faces with 2 notches on north and 4 notches on south edges, from which

A fir 16 ins diam bears S. 37° W.

32 lbs dist marked -

T, 2, N, R, 37, E, S, ~~12~~, B, 7

A fir 6 ins diam bears S 47°

E 58 lbs dist marked -

420
50
Extremors of Township No. 2 N Range 38 E

Willamette Meridian, Oregon.

Chains North 72, N, R, 38 E, S. 18, B. 7.

A fir 6 in diam bears N. 67°
W 85 lbs dist. marked

72 N R 37 E S 12 B 7

A fir 10 in diam bears N
7° E, 44 lbs dist marked

72 N R 38 E, S. 7, B. 7,

Land mountainous and
broken

Soil gravelly 4th rate
Timber fir pine spruce
and tamarack,

North bet secs 7^{and} 12,

ba 18° 30' E

Ascend

15.00

Summit, descend

enter glade,

20.50

Enter timber,

23.00

Bottom of ravine

Ascend thru heavy

51 421

Extensiors of Township No. 2 N Range 38 E
Willamette Meridian, Oregon.

	Chain North timber and dense undergrowth
40.00	Set post 3 1/2 ft long 3 ins square 1 1/2 ft inground marked 1/4 S on W and E faces for 1/4 Sec. Cor on S side of summit of ridge at south margin of glade A pine 26 in diam bears ^{from which} S 39° W 64 lks dist marked 1/4 S. B. T. A fir 6 ins diam bears S 43° E. 32. lks dist marked 1/4 S. B. T.
42.00	Summit 900 ft above bottom of ravine just passed
43.00	Enter timber & undergrowth
44.00	Descend through timber mostly dead and fallen
75.50	Creek 5 lks wide course west Ascend abruptly thru medium timber & undergrowth
80.00	Set post on south side of steep mountain in open pine timber

422
Extensors

52

of Township No. 2 N Range 38 E

Willamette Meridian, Oregon.

300 ft above Creek, post
marked - (for cor to secs 1, 4, 7, & 12,
& 2 N S 6 on N E

R. 38, E, S, 7, on S, E.

R. 37, E, S 12 on S W and

S, 1, on N W faces with 5 notches
on S and 1 notch North faces

A double pine 30 in diam bears N
72° W, 90 lbs dist-marked

T, 2, N, R, 37, E, S, 1, B, 7,

A fir 28 in diam bears N 26°
E 125 lbs dist-marked -

T, 2, N, R, 38, E, S, 6, B, 7,

A fir 16 in diam bears S 68° E
150 lbs dist marked

T 2 N R 38 E S, 7, B, 7, no other

trees in limits, raised mound of stump along side

Land rough mountainous
and broken.

Soil gravelly 4th rate

Timber fir pine and

spruce and tamarack

Exteriors of Township No. 2 N Range 38 E

423

Willamette Meridian, Oregon.

Chains North bet secs 1 & 6

Ba $20^{\circ}45'$ E

Ascend abruptly

7.50

Summit of ridge course E
and west descend gradually

10.00

Soil 1st quality level nearly
gently sloping north

40.00

Set post $3\frac{1}{2}$ ft. long 3 ins square
 $1\frac{1}{2}$ ft in ground, marked $\frac{1}{4}$ S on
E & W faces with for $\frac{1}{4}$ S Cor
in burnt and fallen timber
and rank weeds from which

A fir 26 ins diam bears N. 41°
E 31 lks dist marked $\frac{1}{4}$ S B T

A fir 20 ins diam bears S 55° E
104 lks dist marked $\frac{1}{4}$ S B T

Descend slightly

48.00

Spring branch course NW

61.00

Spring branch course NW

78.00

Spring branch course W
over nearly level land

424
54
Exterior of Township No. 2 N Range 38. E

Willamette Meridian, Oregon.

Chains North

80.00

Set post in burnt and fallen timber and rank weeds. I made thorough search for the corner previously established to Tps. 2 & 3, N, Rs. 37 & 38. E, but could not find it.

So I set the above post which is a maple 5 ins square 4 ft long 2 ft in the ground as a closing corner to Township 2 North Rs. 37 & 38. E, marked - G. G. 7. 2. N. on S R 38 E S 4 on E and R 37 E S 1 on W faces with 6 notches on S. E. & W. faces from which
A fir 32 in diam bears

Extensiors of Township No. 2 N Range 38, E

Willamette Meridian, Oregon.

S 54° W 1/2 lks dist marked
 T 2 N R 37 E S 1 B 7
 A fir 8 ins diam bears S 34
 E 39 lks dist-marked -
 T. 2, N, R, 38, E, S, 6, B. T.
 Land gently sloping to
 the north,
 Soil black rich loam
 1st rate covered with ~~rank~~
 rank weeds,
 Timber fir spruce and
 tamarack most dead
 and fallen from recent
 fires

Oct 5, 1881

This township is rough broken
 and mountainous throout
 It is well watered, nearly all of
 the ravines contain small
 spring branches. the summits

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Extension

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of Township No. 2 N Range 38 E

Willamette Meridian, Oregon.

of the ridges are mostly barren and rocky, frequent glades are covered with bunch grass of good quality on the sides of the mountain ridges.

The soil is gravelly and of light-brown color except in the N.W. Corner and N.E. Corner of the Township west of this where there is

about a section of good land, well watered

The timber is valuable composed of fir pine Tamarack and spruce

FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by Jacob L. Cooper, U. S. Deputy Surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing field notes of the survey of the Exterior lines of T2 N Rs 37 & 38 E and T3 N Rs 38 & 39 E Willamette Meridian, Oregon, showing the respective capacities in which they acted:

-, Compassman.
- C. D. Goodrough....., Chainman.
- R. D. Cooper....., Chainman.
-, Chainman.
-, Chainman.
- R. M. Morgan....., Axeman.
- John DeBlair....., Axeman.
-, Flagman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted Jacob L. Cooper, U. S. Deputy Surveyor, in surveying all those parts or portions of the Exterior lines of T2 N Rs 37 & 38 E and T3 N Rs 38 & 39 E Willamette Meridian, Oregon, as 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 U. S. Surveyor General of Oregon.

-, Compassman.
- C. D. Goodrough....., Chainman.
- R. D. Cooper....., Chainman.
-, Chainman.
-, Chainman.
- R. M. Morgan....., Axeman.
- John DeBlair....., Axeman.
-, Flagman.

Subscribed and sworn to before me, this 13th day of October

[SEAL.]

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Robert J. Hale
 Notary Public
 for Oregon

FINAL OATH OF DEPUTY SURVEYOR.

I, Jacob C. Cooper

United States Deputy Surveyor, do solemnly swear that in pursuance of instructions

received from James C. TolmanU. S. Surveyor General for Oregon, bearing date of the first day ofJuly, 1881, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for Oregon, the Surveying Manual, and the laws ofthe United States, surveyed all those parts or portions of the exterior linesof T2 N R3 37 + 38 E & T3 N R3 38 + 39 EWillamette Meridian, in the State of Oregon, as are represented in the foregoing Field Notes as having been surveyed by me and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Surveying Manual, printed instructions, the special written instructions of the U. S. Surveyor General for Oregon, and in the specific manner described in the field notes, and that the foregoing are the *true* field notes of such survey, and should any fraud be detected I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.Jacob C. Cooper
U. S. Deputy Surveyor.

Subscribed and sworn to before me, this

ten~~th~~

day of

January1882Edmond H. LewisNotary Public

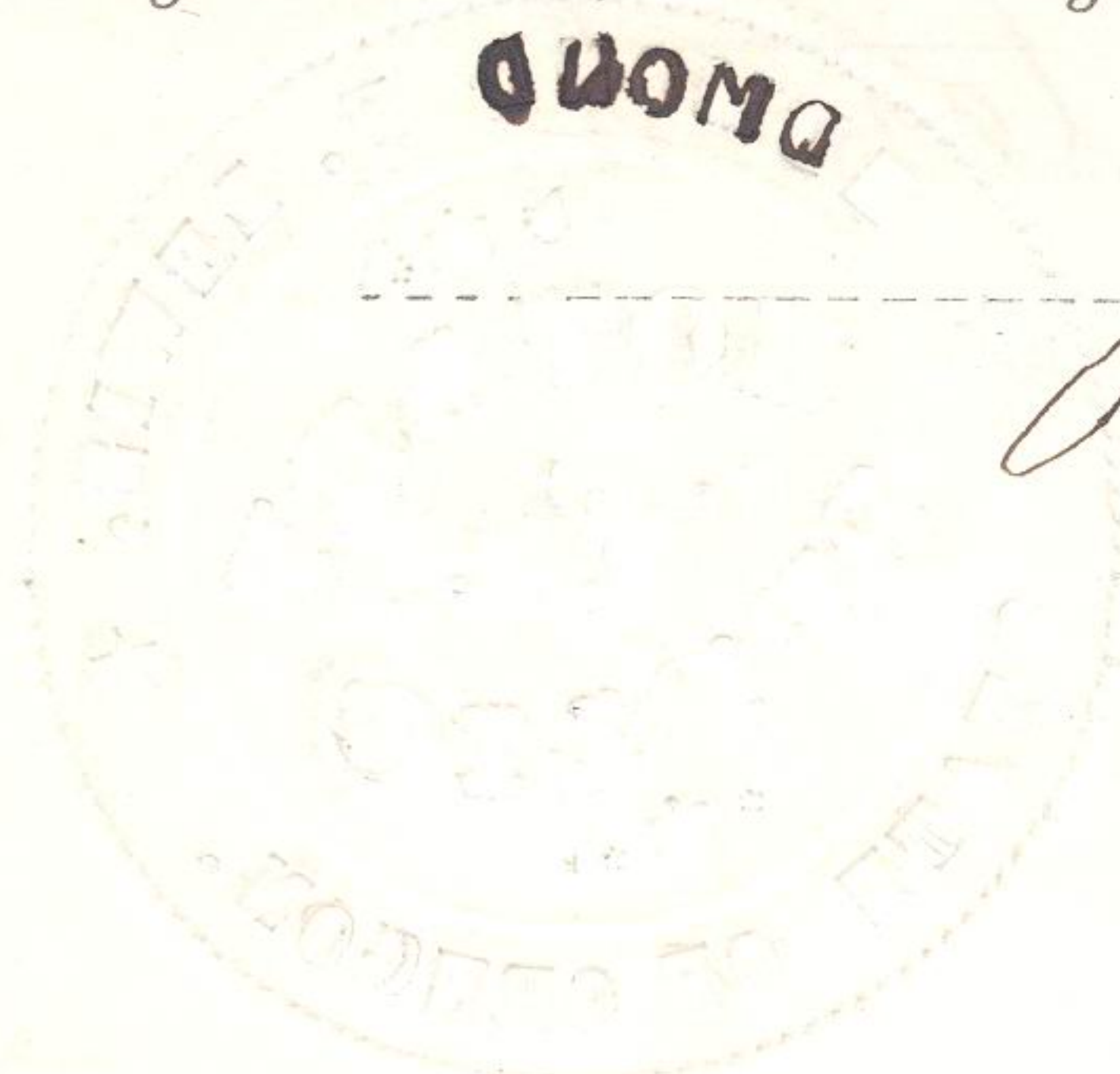
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foregoing

Office U. S. Surveyor General,

Portland, Oregon, *April 5,* 1882

The following Field Notes of the Survey of the
Exterior lines of
T. 2^d and N. R. 37, 38, 39 E
T. 3 N. R. 38 and 39 E Willamette
 executed by *Jacob C. Cooper*
 under *his* contract No. *397*
 dated *July 1st* 1881, 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. Tolson
 Surveyor General.