

FIELD NOTES

Of the survey of the Explorer Boundary

Lines of Townships 4 & 5 South Range 31 East

Willamette Meridian, Oregon,

Executed by George S. Pershin

U. S. Deputy Surveyor, under his contract No. 373

dated Sept - 17, 1880

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

William Gradon Chainman.

Olin W. Kosford Chainman.

----- Chainman.

Francis S. Lettenger Axeman.

----- Axeman.

----- Flagman.

PRELIMINARY OATHS OF ASSISTANTS:

We, William Gradon and
Olin W. Hosford

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.

William Gradon Chainman.

Olin W. Hosford Chainman.

----- Chainman.

Subscribed and sworn to before me, this -----

day of 27 Sept 1880

Warren Clark

Justice of the Peace

J Frank S. Pittenger and

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.

Frank S. Pittenger Axeman.

----- Axeman.

Subscribed and sworn to before me, this first -----

day of October 1880

George S. Pershwin
A U S Dep. Sur.

INDEX.

Referring the Lines to the pages of the Field Notes.

Town. *No. 5 South* Range *31 East* Will. Mer.

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

Exterior lines of Township No. 5 South Range 31 East
Willamette Meridian, Oregon.

North on the West Boundary of Sec. 6

ba. $18^{\circ} 15'$ East -

28.00 Enter Prairie co. E & W.

40.00 Set Basalt Stone $24 \times 14 \times 12$

on East slope in small open

Prairie in Mound of Stone

for $\frac{1}{4}$ Sec. cor. No trees

75.50 Enter timber co. E & W.

80.00 Set Basalt Stone $18 \times 14 \times 10$ in

Sag. sloping East for corner.

to Townships 4 and 5 South

Ranges 30 and 31 East

A Pine 20 in. di. br. N. 56° E. 54 lbs. dist.

" " 22 " " " S. 33° E. 118 " "

" " 16 " " " S. 62° W. 39 " "

" " 18 " " " N. 80° W. 80 " "

Land: Surface rolling; soil 2" &

3" etc. Mostly open some

Pine Tamarack & Fir timber

good grass. Some good

farming land

October 1st 1880

Exterior lines of Township No. 5 South Range 31 East
 Willamette Meridian, Oregon.

North on the East Boundary of Sec 1
 Co. 19° 45' East —

6.00 Scare timber co. O. & W.

40.00 Set Basalt Stone 12 x 10 x 5 on
 level in mound of stone

for $\frac{1}{4}$ Sec. cor

80.00 Set Pine Post 5 ft long & 6 in. \pm 40

square on slight south slope on
 dug pits & raised mound of

earth for corner to Townships
 4 & 5 South Ranges 31 and
 32 East W. M.

A Pine, 12 in. di, brs, N. 77° W. 235 lbs. dis.

No other trees near.

Land: Surface nearly level

Soil 1" rate: excellent grass

excellent farming land.

Oct 2nd 1880

Exterior lines of Township No. 5 South Range 31 East -
Willamette Meridian, Oregon.

Went on a random line along the
North Boundaries of sections 1, 2, 3, 4,
5 and 6

va. $19^{\circ} 30'$ East -

I set temporary half-mile & Mile
posts at every 40 & 80 chains
and at 5 miles 79 chains and
53 links to a point 76 chs North
of the corner to Townships 4 & 5 South
Ranges 30 & 31 East - making
my corrections 13 chs South
per Mile & my course N. 89° -
 $54'$ East -

I therefore began at the
corner to Townships 4 & 5 South
Ranges 30 & 31 East - and

I run

N. $89^{\circ} 54'$ East on a true line
along the North Boundary of
Section 6

va. $20^{\circ} 15'$ East -

over

15

313

Exterior lines of Township No. 5 South Range 31 East

Willamette Meridian, Oregon.

39.53 Set basalt Stone 16 x 10 x 8

on East Slope for 1/4 Sec. cor.

A Pine 28 in. di. brs. N. 27° W. 30 lbs. dist.

" " 12 " " " S 42° E 25 " "

79.53 Set basalt Stone 15 x 10 x 8 & - 150

Post in Mound of Stone on

East Slope for cor to sections

5, 6, 31 & 32 no trees

Land: Surface rolling and sloping East. Soil

2' & 3' rate. Some scattering groves of timber Pine Tam arack & Fir mostly open good grass some good farming land

Exterior lines of Township No. 5 South Range 31 East
Willamette Meridian, Oregon.

North $89^{\circ} 54'$ East on a true line along
the North Boundary of Sec. 5
wa. $21^{\circ} 15'$ East

40.00 Set Basalt Stone $18 \times 14 \times 10$

in Mound of Stone on N. E.

Slope for $\frac{1}{4}$ Sec. cor.

A Pine 10 in. di. brs. N. 38° E. 64 lbs dist

No tree on S. Side.

52.50 A ravine course S. E. of N. W. - 200

8000 Set Basalt Stone $18 \times 12 \times 6 + 80$

and post in Mound of Stone

for corner to Sec. 4, 5, 32,

and 33 no trees

Land: Surface rolling and

sloping East; Soil 2nd

and 3rd rate. Scattering

groves of Pine and

Damarack timber,

good 1 grab. Some

good farming land

315
 Exterior lines of Township No. 5 South Range 31 East
 Willamette Meridian, Oregon.

North $89^{\circ}54'0''$ on a true line
 along the N Boundary of sec 4
 Va $20^{\circ}00'$ East.

40,00 A Pine 20 in. di. on north
 slope for $\frac{1}{4}$ sec. cor.

A Pine 24 in. di. br. N. $58^{\circ}W$, 88 chs. dis.

" " 16 " " " S. $14^{\circ}E$, 122 " "

80,00 Set basalt stone $16 \times 8 \times 7$ and -150
 post in mind of stone on
 level for. Cor to Sec. 3, 4,
 33, and 34

Land: Surface rolling on
 West 60 chs. E. 20 chs level; Soil
 2^{nd} 3^{rd} and 1^{st} rate, occasion-
 groves of pine timber, good
 graft. Some excellent-
 farming land

Exterior lines of Township No. 5 South Range 31 East
Willamette Meridian, Oregon.

N. 89' 54' East on a true line
along the N. Boundary of Sec. 3
Va. 20° 45' East

33,500 A cabin 250 lbs north of line
40,000 Drove a marked Tamarack
Stake in soft soil for
1/4 sec. cor. This is more
permanent here than post in
Mound.

80,000 Set post, dug pits and
raised Mound of earth
for cor. to Sec. 2, 3, 34 & 35

Land; Surface nearly level;
soil first rate; good grass;
excellent farming land

19

317

Exterior lines of Township No. 5 South Range 31 East -
Willamette Meridian, Oregon.

N. $89^{\circ} 54'$ East on a true line along
the North Boundary of Sec. 2

Ca. $19^{\circ} 30'$ East -

3,50 Spring branch co. S.E.,
19,50 Snipe creeke 20 lbs. wide
course S. W.

40,00 Set Willow post in mound
of stone on level for
 $\frac{1}{4}$ Sec. cor.

80,00 Set Tamarack Post & stone
basalt $16 \times 7 \times 6$ dug pits
and raised mound of
earth on level for
cor to Sec. 1, 2, 35 & 36

Land; surface nearly level.
Soil 1st rate excellent
grass. good natural meadow
excellent farming land

20
318

Exterior lines of Township No. 5 South Range 31 East
Willamette Meridian, Oregon.

N. $89^{\circ}54'$ East on a true line along the
North Boundary of Sec. 1
Pa. $19^{\circ}30'$ East

7.00 Wagon road N. & S.

12.00 Queens Creek 20 lbs wide c. S. W.

40.00 Set basalt Stone $15 \times 12 \times 8$ on
level in Mound of Stone
for $\frac{1}{4}$ Sec. Cor.

80.00 The Cor to Townships 4 &
5 South Ranges 31 and
32 East

Land: Surface undulating;
Soil 2nd, 3rd & 4th rate;
good grass. Some scatter-
ing timber on west
 $\frac{1}{2}$ mile Pine
About $\frac{1}{2}$ on this mile is good
farming land

Oct 3rd 1880

Explorers lines of Township No. 5 South Range 31 East-

Willamette Meridian, Oregon.

General Description

The larger part of this Township is undulating or slightly rolling. Much is nearly or quite level and a small part in the S. W. is quite broken. Soil is mostly 2^d rate. Large part first rate. also a considerable part 3^d rate. Probably about $\frac{1}{3}$ is covered with Pine Tamarack & Fir timber. Large part is excellent farming land; There are some 12 or 15 settlers in this Township. and should be subdivided.

..... of Township No. Range

Willamette Meridian, Oregon.

I took observation on Polaris
 on the evening of Oct 1st 1880
 at its Eastern elongation
 and on comparing my instrument
 on Oct 2nd the error is 2' East
 repeated observation at
 same place and on
 comparing on Oct 3rd the
 error indicated 2' East.

I do not consider the
 above errors material

FINAL AFFIDAVIT OF ASSISTANTS.

We hereby certify that we assisted George S.

Pershin Deputy Surveyor, in surveying

the Exterior lines of Township N. 4 and
5 South Range 31 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.

William Gradon Chainman.

Olin Hosford Chainman.

Chainman.

Francis S. Pittenger Axeman.

Axeman.

STATE OF OREGON, }
County of Umatilla }

Subscribed and sworn to before me, this 30th
day of October 1880

George S. Pershin
A. W. S. Dep. Sur.

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Diagram of T. No 5 South R. 31 East

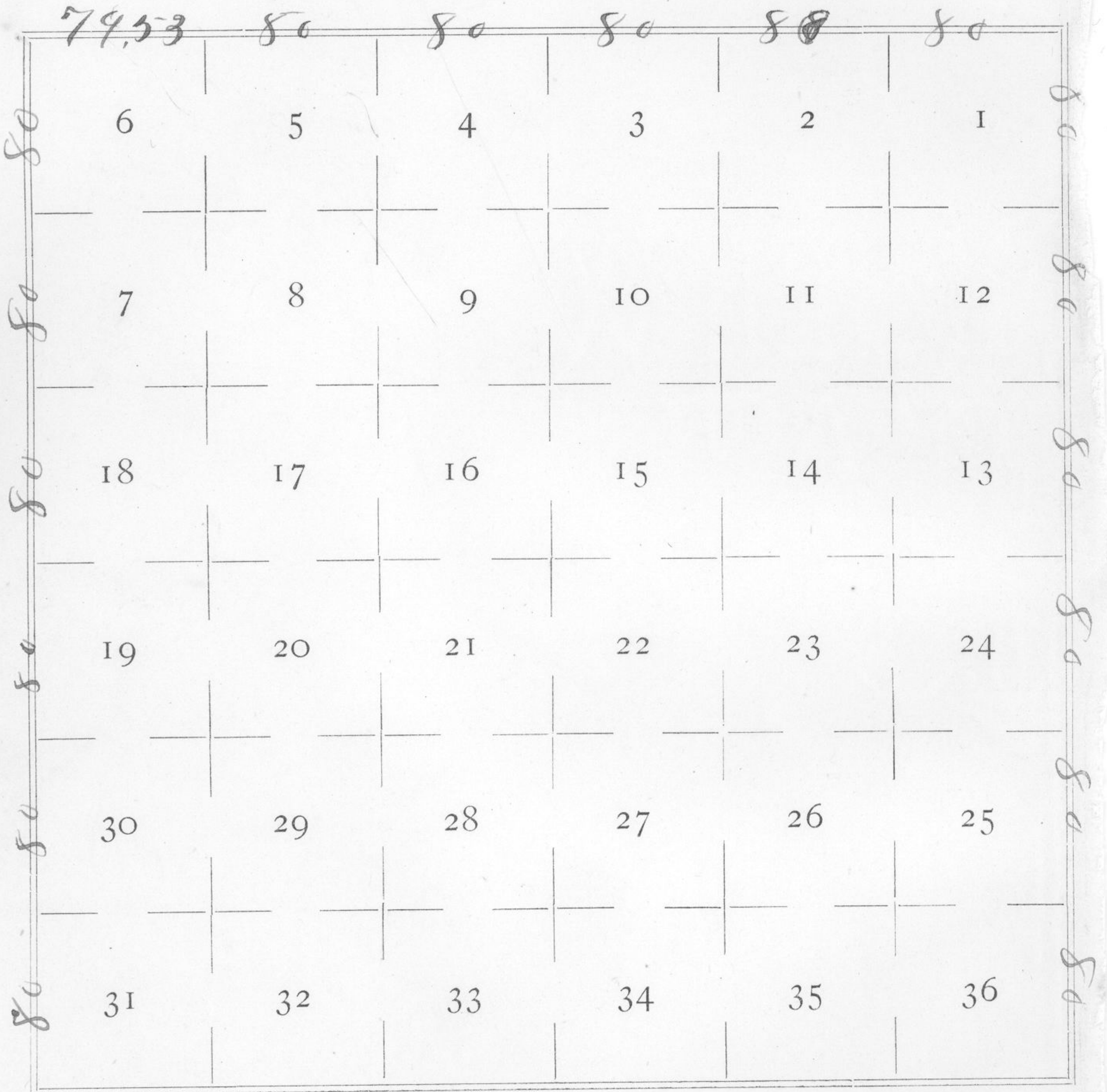
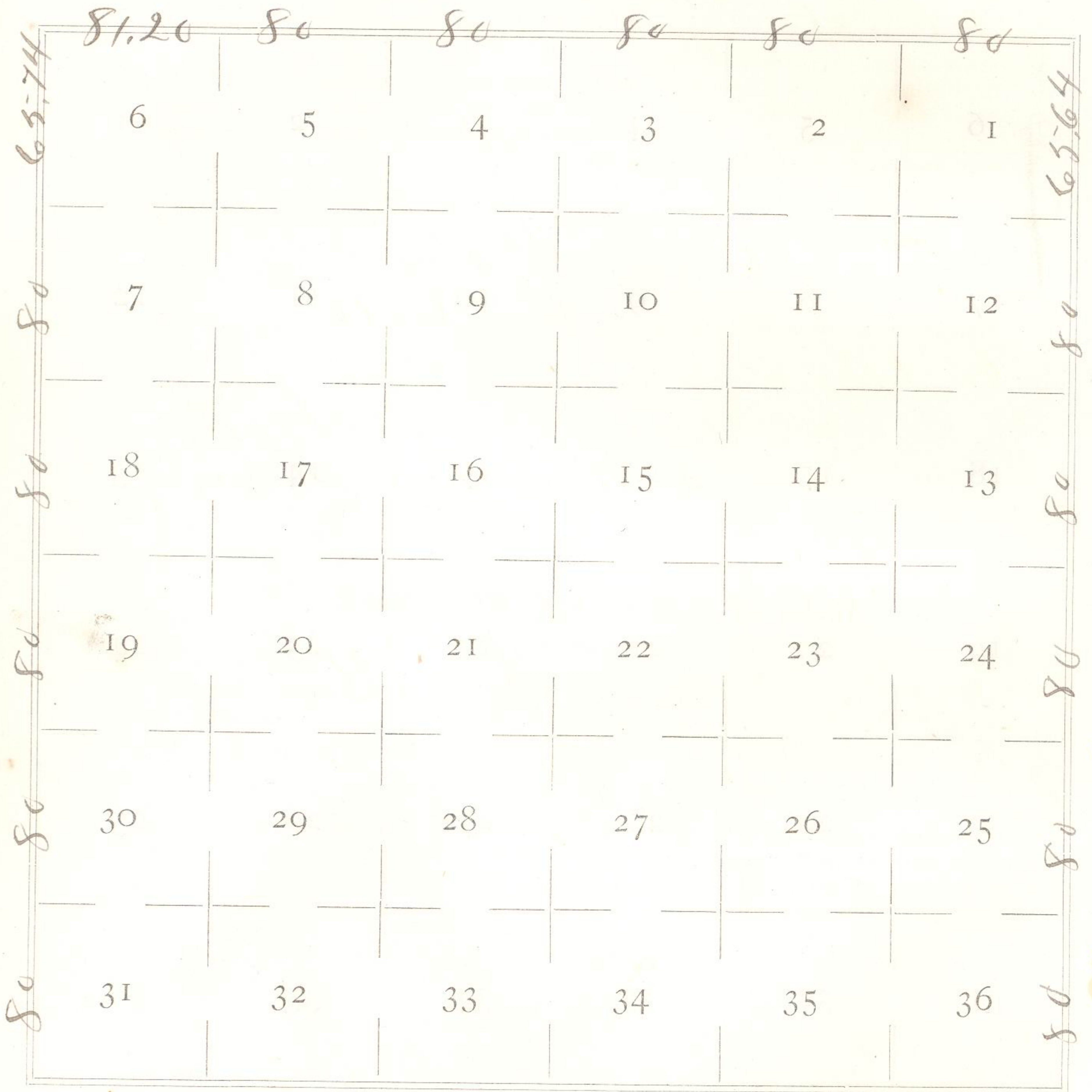


Diagram of T. R.

6	5	4	3	2	I
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

Diagram of T. No 4 South R. 31 East



OATH OF CHAINMEN.

We, William Gradon and
Olin W. Hosford 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 485 South Range
31 East, 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.

William Gradon
Olin Hosford
 Subscribed and sworn to before me, this thirtieth day of
October 1880

George S. Pershin
A. W. S. Dep. Sur.

OATH OF AXMEN AND MOUNDMEN.

We, Francis S. Pittenger
 axmen and moundmen, in the
 survey of Exteriors of Townships 485 S. R. 31 East,
 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 require-
 ments of the surveying manual.

Francis S. Pittenger
 Subscribed and sworn to before me, this thirtieth day of
October 1880

George S. Pershin
A. W. S. Dep. Sur.

FINAL OATH OF DEPUTY SURVEYOR.

I, George S. Pershin
 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
Exterior boundary surveys of Townships
4 & 5 South Range 31st East under my contract with
James C Tolman, United States Surveyor-
 General for Oregon, No. 373, bearing date September
17th 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 preser-
 vation 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 afore-
 said laws and instructions, and that the annexed field-notes are the original, true
 and correct returns of the said surveys.

George S. Pershin

Deputy Surveyor.

Subscribed and sworn to before me, this Nov 16 day of

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 -----

Office U. S. Surveyor General,

Portland, Oregon, *Nov. 17* 1880

The foregoing Field Notes of the survey of *the*
Exterior bdy. lines of Townships
48.5 S. Range 31 E. Will. Merid
Ogn

executed by *George S. Perchin U.S.*

Dep. Sur. under his contract No. *373*

dated *Sept 17* 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. Tolman
 Surveyor General.