

## 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. Pershing

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 East Boundary of Sec. 36

ca. 17° 45' East

Cor. a stone 22 x 11 x 8 & post in mound of  
stone & Pine 42 in. di. br. N. 52° E 150 lbs dist

4000 Set basalt stone 14 x 12 x 10 on N.E.  
slope for 1/4 Sec. Cor.

A Pine 14 in di. br. N. 24° E. 46 lbs, dist.

" " 6 " " N. 67° W. 96. " "

72.50 A Ravine opens N.W. -120

8000 Set Basalt Stone 20 x 14 x 6 on

S.W. face of bluff for cor to  
Sec. 25, 36, 30 & 31 - also post

in mound of stone - no trees near

Land: surface undulating and  
rolling: Soil 2<sup>nd</sup> & 3<sup>rd</sup> rate

Some scattering groves of Pine

& Fir timber. good grass

A small part good farming  
land

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

North on the East Boundary of Sec. 25.

Pa.  $20^{\circ} 15'$  East

31.00 Center heavy timber N. E. & S. W.

40.00 Set Fir post on North slope

for  $\frac{1}{4}$  Sec. cor. from which a  
Fir 8 in. di. br. N.  $60^{\circ}$  E. 39' lbs. dis.

" 18 " " " N.  $54^{\circ}$  W. 59' " "

62.00 Spring 3 chs. East of line

74.00 Leave heavy timber Co. E & W.

80.00 Set basalt stone  $14 \times 12 \times 10$  & -250

Post in Mound of Stone

on N. E. Slope for corner

to Sec. 24, 25, 19 and 30

No trees <sup>with</sup> in distance

Land: Surface rolling and  
some broken in places.

Soil. 2" 3" & some 1' rate: heavy  
timber on most of this mile  
Pine Tamarack & Fir; good  
grass. Much good farming  
land

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

North on the East Boundary of Sec. 24  
Ba.  $19^{\circ} 45'$  East

4000 Set basalt Stone  $18 \times 10 \times 8$  on  
slight N. slope for  $\frac{1}{4}$  Sec. Corn.  
A Pine 14 in. di. br. N.  $77^{\circ}$  E 164 lbs dist  
no other tree

8000 Set Stone  $18 \times 12 \times 10$  and post - 50  
in Mound of Stone on level  
for Corn to Sections  
13, 24, 18 & 19

Land: Surface nearly level;  
Soil 2' & 1' rate: only a  
few scattering Pine trees  
excellent grps: this is  
excellent farming land  
and well suited for grain  
producing

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

North on the East Boundary of Sec. 13.

ba.  $20^{\circ} 15'$  East

22.00 brook 20 lbs wide co. N.W. - 20

40.00 Set Basalt Stone  $18 \times 10 \times 7$  in + 20

Mound of Stone on level for  
 $\frac{1}{4}$  Section corner

80.00 Set basalt stone  $18 \times 10 \times 7$  and  
Post in Mound of Stone on  
level for corner to Sec.

12. 13. 7 & 18

A Pine 8 in. di. brs. N. 4 N. 362 lbs dist  
No other trees

Land: Surface level, Soil 2<sup>nd</sup>

3<sup>rd</sup> & 1<sup>st</sup> rate. good grass

Large part of it well adapted  
to farming

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

North on the East Boundary of sec. 12  
Ba. 19° 15' East -

32.50 brook 30kds wide to West -

4000 Set basalt stone 18x10x8 in  
mound of stone on level  
prairie for 1/4 sec. cor.

43.00 Leave bottom prairie

45.00 On bench table land + 30

78.00 Enter timber E & W.

8000 Set Pine post - on level for  
corner to sections 1, 12, 6 & 7

A Pine 30 in. di. br. N. 76° E. 55 lks dist

" " 8 " " " S. 40° E. 22 " "

" " 8 " " " S. 26° W. 42 " "

" " 44 " " " N. 63 W. 140 " "

Land Surface Mostly level,

Soil 1' & 2' rate, good grass

Some scattering Pine timber

on N. 1/2 mile; good grass;

Excellent farming land



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 2<sup>nd</sup> 1880

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.

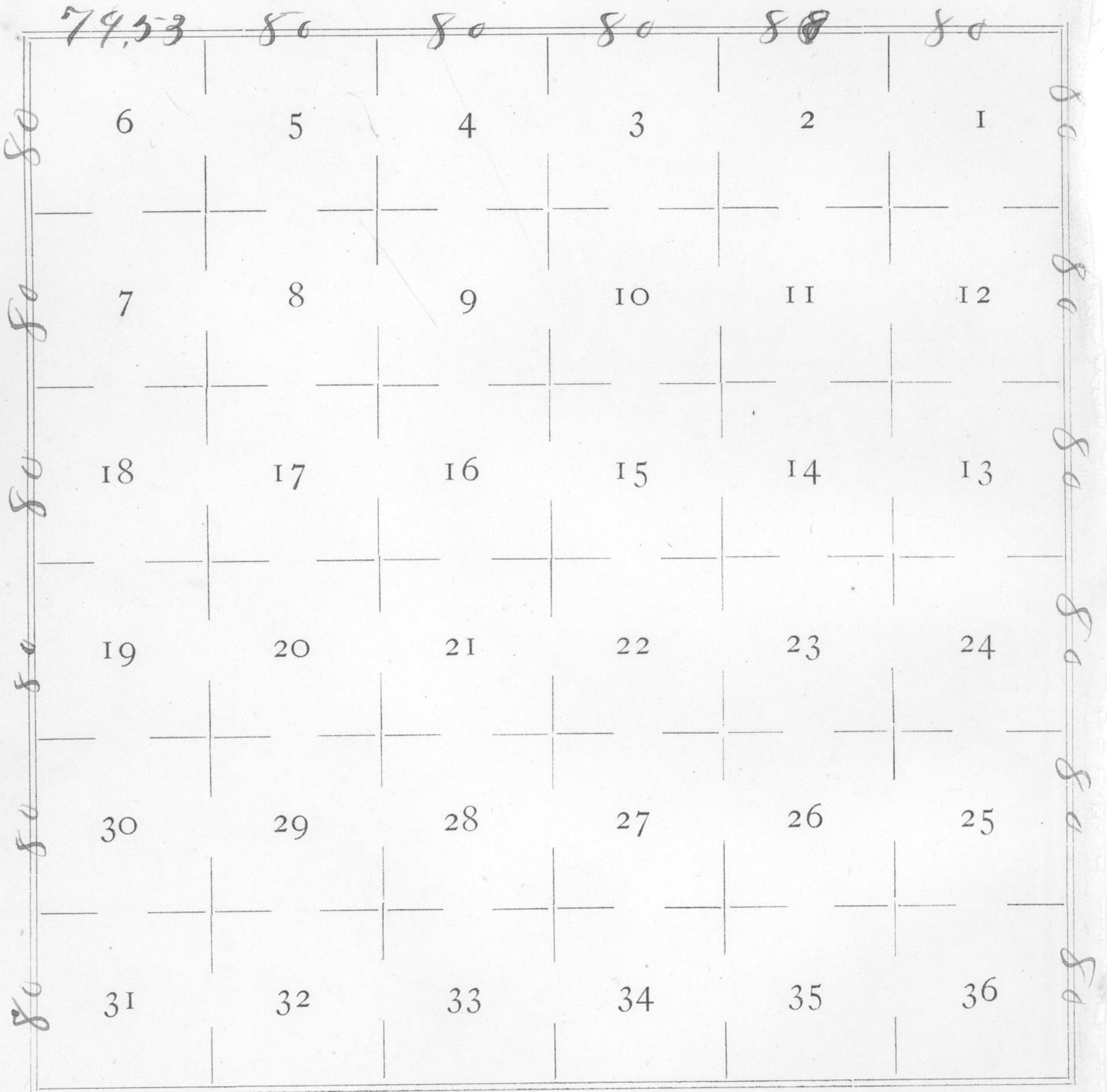
STATE OF OREGON, }  
County of Umatilla }

Subscribed and sworn to before me, this 30<sup>th</sup>  
day of October 1880

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

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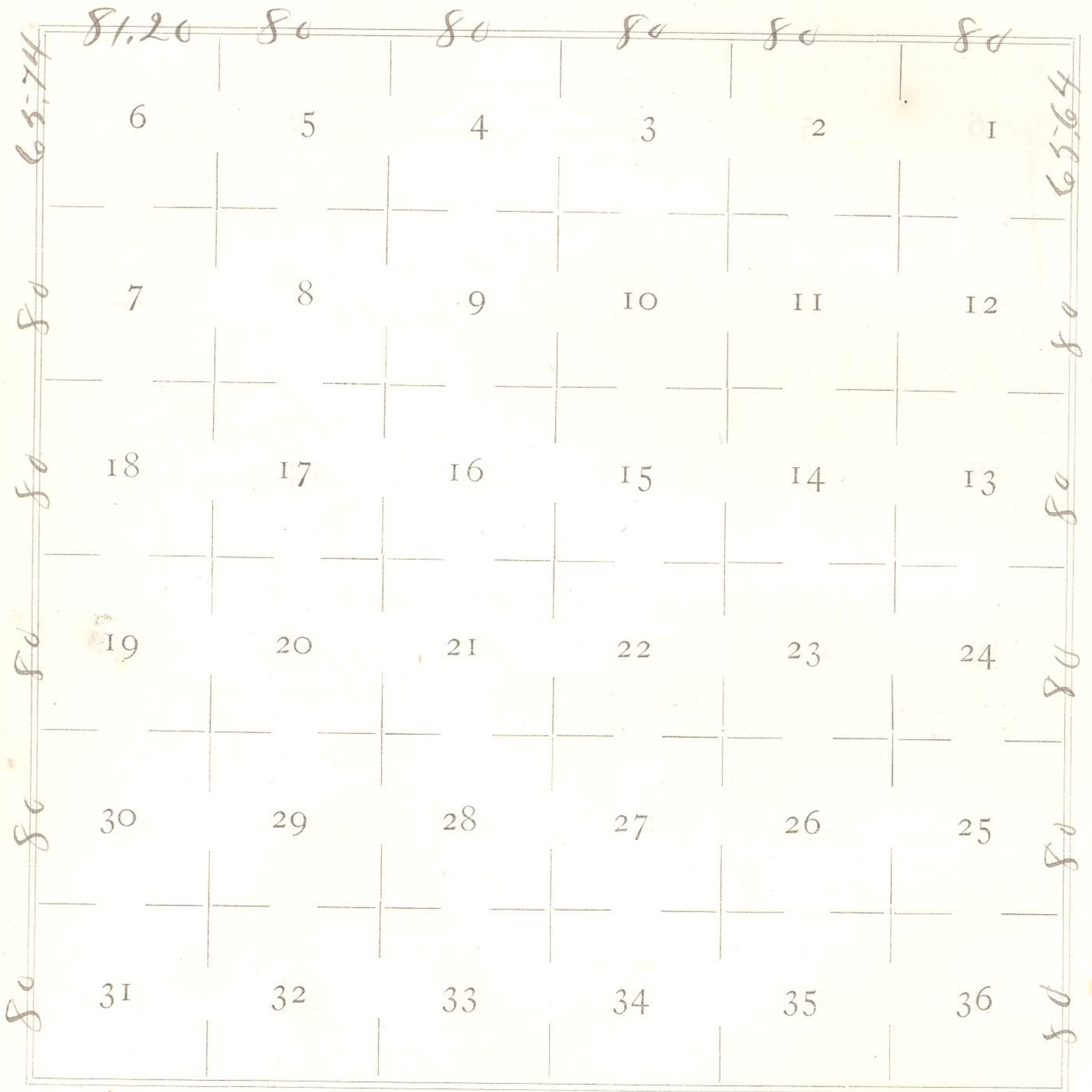
Diagram of T. No 5 South R. 31 East



*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 thirteenth 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 31<sup>st</sup> East under my contract with  
James C Tolman, United States Surveyor-  
 General for Oregon, No. 373, bearing date September  
17<sup>th</sup> 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-----

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**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.