

FIELD NOTES

Of the survey of the Exterior

Lines of T. 3 S. R. 35 E., T. 2 S. R. 35 E., T. 1 S. R. 35 E.

T. 1 S. R. 34 E., T. 1 S. R. 37 E., T. 1 N. R. 38 E., Willamette Meridian,

Oregon, as surveyed by Jacob C

Cooper, U. S. Deputy Surveyor,

under his Contract No. 397, dated

July 1, 1881

Survey commenced, Aug 22 1881

Survey completed, Sept 27 1881

NAMES AND DUTIES OF ASSISTANTS.

....., Compassman.

W J Slater....., Chainman.

Jeff D Henton....., Chainman.

R. D. Cooper....., Chainman.

Chas W Ladd....., Chainman.

C D Goodrough....., Axeman.

R. M. Morgan....., Axeman.

....., Flagman.

100

PRELIMINARY OATHS OF ASSISTANTS:

We, Riley D. Cooper and  
Charles W. Ladd

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. 1. S. R. 37. E. and

T. 1. N. R. 37. T. 38. E. Willamette Meridian, Oregon.

R. D. Cooper, Chainman.

Charles W. Ladd, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me, this seventh

day of September 1881

[SEAL.]

Jacob C. Cooper  
U.S. Dep Surveyor

We, Chas D. Goodnough and  
Rufus M. Morgan

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 lines of T. 1. S. R. 37. E.

and T. 1. N. R. 37. T. 38. E. Willamette Meridian Oregon.

Chas D Goodnough, Axeman.

Rufus Morgan, Axeman.

Subscribed and sworn to before me, this seventh

day of September 1881

[SEAL.]

Jacob C. Cooper  
U.S. Deputy Surveyor

STATE OF OREGON,

County of Union.

ss.

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We Jeff D Fenton & W. P. Slater  
R. M. Morgan, & C. D. Goodnough  
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  
the instructions given us in the Survey of Exterior  
lines of Townships 1, 2 <sup>and</sup> 3 South Range 35 East  
of Townships 1 South Ranges 36 <sup>and</sup> 37 East  
of Townships 1 North Ranges 37 <sup>and</sup> 38 East  
Willamette Meridian Oregon

Jeff D Fenton

Chairman

W. P. Slater

Chairman

R. M. Morgan

Chairman

C. D. Goodnough

Chairman

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Subscribed and sworn to before me  
this 16<sup>th</sup> day of July 1881

Geo. W. King  
Notary Public  
for Oregon

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 Exterior lines of Townships East 3 South Range 35 East, of Townships & South Ranges 36<sup>th</sup> & 37 East of Township & North Ranges 36<sup>th</sup> & 37 East Willamette Meridian Oregon

R M Morgan  
C D Goodnough

Assessor  
Assessor

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

Geo. M. King

Notary Public for Oregon.

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Exteriors

of T. 3 S

R. 35 E

Willamette Meridian, Oregon.

Chains  $\frac{1}{4}$  S on E & W faces

A pine 14 in diam bears

N  $63^{\circ}$  W 49 lbs dist marked

$\frac{1}{4}$  S B T no other trees in limits raised around  
of stem along side.

N  $21^{\circ}$  E

Descend

72.00

Ascend in open pine timber

80.00

Set post 5 ft long  $4\frac{1}{2}$  in square

24 ins in the ground for cor

to Tps 2 & 3 S R 34 & 35 E

(Summit of ridge in open pine

timber at head of ravine

course east) marked

T 2 S S 31 on NE

R 35 E S 6 on SE

T 3 S S 1 on SW and

R 34 E S 36 on NW faces

with 6 notches on each edge

raised a mound of stone about

post 3 ft at base 18 ins high, from

A pine 12 ins diam bears

27

0137

Exteriors of T 3 S R. 35 E

Willamette Meridian, Oregon.

Chains S 12° W 57 lks dist marked  
 T 3 S R 34 E S 1 BT  
 A leaning pine 12 ins diam bears  
 S 42° E 51 lks dist marked  
 T 3 S R 35 E S 6 BT  
 A fir 14 ins diam bears  
 N 72° E 71 lks dist marked  
 T 2 S R 35 E S 31 BT  
 Land high rolling and  
 mountainous, Soil gravelly  
 and rocky 3rd rate  
 Timber pine and fir  
 Aug 23 1881

This township is rolling and  
 hilly in the southern part,  
 Soil medium. The valleys  
 along some of the small streams  
 that empty into the Grand  
 Ronde river, are very fertile and  
 are occupied by settlers who

138  
Explorers

28

of T. 3 S R. 35 E

Willamette Meridian, Oregon.

raise abundance of hay, some  
grain and a few of the  
hardier vegetables.

Bunch grass is good throughout  
the township, except in some  
of the heavier timbered portions  
of the northern part.

The timber is pine, fir  
and tamarack and is  
valuable.

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Extremes of T 2 S R. 35 E 139

Willamette Meridian, Oregon.

I begin the survey of township  
at the corner to Tps 2 + 3 S Rs  
34 + 35 E and run east on a  
random line between said  
Tps. The variations of my  
compass being  $20^{\circ} E$

I set temporary half mile  
and mile corners at each  
40 and 80 chains and find  
the Tps line to be 5 miles 79  
chains and 61 links long  
and the falling to be 150 lbs  
S of the corner to Tps 2 + 3  
S Rs 35 + 36 E

The correction for the true  
line will therefore be 25 lbs N  
and 39 lbs West per mile and  
its course will be  $S. 89^{\circ} 49' W$

From the corner to Tps 2 + 3 S R  
35 + 36 E which is a post

140

30

Exteriors

of T. 2 S

R. 35 E

Willamette Meridian, Oregon.

5 ft long 5 ins square marked

T 2 S S 31 on NE

R 36 E S 6 on SE

T 3 S S 1 on SW and

R 35 E S 36 on NW faces

A fir 15 ins diam bears

N 78° E 19 lbs dist marked

T 2 S R 35 E S 31 B T

A fir 24 ins diam bears

N 74° W 29 lbs dist marked

T 2 S R 34 E S 36 B T

A fir 24 ins diam bears

S 30° W 20 lbs dist marked

T 3 S R 34 E S 1 B T

A pine 24 in diam bears

S 24° E 36 lbs dist marked

T 3 S R 35 E S 6 B T

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I run

Exterior of T 2 S R. 35 E 41

Willamette Meridian, Oregon.

Chain S 89° 49' W on a true line bet.  
Sec 1 & 36

Pa 19° E

Ascend through heavy timber  
40.00 Set post 3½ ft long 3 ins square  
18 in in the ground for  
¼ sec. cor. marked ¼ S on N &  
S faces on ridge in open pine  
timber course S.E. and N.W.  
A pine 18 ins diam bears <sup>from which</sup>  
S 3 lbs dist marked  
¼ S B T.

~~Pa 19° 45' E~~

A pine 36 ins diam bears  
N 39° E 40 lbs dist marked  
¼ S. B T. Pa 19° 45' E

Descend through open  
pine timber  
50.00 Bottom of canyon course S.  
Ascend.

75.00 Descend through dense forests

142

32

Exteriors

of T. 2 S

R. 35 E

Willamette Meridian, Oregon.

Chains  
80.00

of pine and tamarack

Set post  $4\frac{1}{2}$  ft long 5 ins square  
2 ft in the ground for cor to  
recs 1. 2. 35 and 36 marked  
T 2 S S 36 on the N.E.

Re 35 E S 1 on the S E

T 3 S S 2 on the S W and  
S 35 on the N W faces with  
1 notch on E and 5 notches  
on the W edges, in pine  
timber on ridge terminating  
N.E. about 3 chs.

A pine 15 ins diam bears

S 50° E 55 lbs dist marked

T 3 S Re 35 E S 1 B.T. from which

A tamarack 20 ins diam bears

N 56° W 30 lbs dist marked

T 2 S Re 35 E S 35 B.T.

A pine 20 ins diam bears

S 34° W 67 lbs dist marked

T 3 S Re 35 E S 2 B.T.

Exteriors of T. S. R. 35 E

Willamette Meridian, Oregon.

Chains A tamarack line diam bears  
 N 60° E 8 lbs diet marked  
 T 2 S R 35 E S 36 B T.  
 Land rolling and mountainous  
 Soil gravelly 3rd rate  
 Timber pine, fir, and tamarack.

S 89° 49' W on a true line bet.  
 Secs 2 and 35

Va 20° 15' E

Descend through pine timber  
 2.00 Bottom of ravine course N E  
 13.00 Ascend through fallen timber  
 35.00 Summit of hill  
 40.00 Set post 3½ ft long 3 ins square  
 18 ins in the ground with  
 mound of stone 3 ft at base  
 18 ins high for ¼ Sec Cor  
 marked ¼ S on the N and  
 S faces on W side of summit  
 of ridge from which

Extension

of T. 2 S

R. 35 E

Willamette Meridian, Oregon.

Chains

A leaning pine 2 1/2 in diam bears  
 N 82° E 141 lbs dist marked  
 1/4 Sec B T

A pine 1 1/2 in diam bears  
 S 50° E 121 lbs dist marked  
 1/4 Sec B T

62.00

Descend through open pine  
 timber

63.00

A brook (in canyon) 5 lbs wide  
 course S

Ascend

80.00

Set post 4 1/2 ft long 4 in square  
 2 ft in the ground on E side  
 of hill, for cor to secs 2, 3  
 34 and 35 marked

T 2 S S 35 on N E

N 35 E S 2 on S E

T 3 S S 3 on S W and

S 34 on N W face with  
 2 notches on the E and 4 notches  
 on the W edges from which

Extremes of T. 2 S. R. 35-E

Willamette Meridian, Oregon.

Chains  
 A fir 22 ins diam bears  
 N 4° E 24 lbs dist marked  
 T 2 S R 35-E S 35-B T  
 A fir 14 ins diam bears  
 N 65° W 36 lbs dist marked  
 T 2 S R 35-E S 34 B T  
 A fir 16 ins diam bears  
 S 69° W 43 lbs dist marked  
 T 3 S R 35-E S 3 B T. no other trees in  
 limits except a mound of stone alongside side.  
 Land rolling, mountainous and  
 high  
 Soil gravelly 4th rate  
 Timber fir, pine and tamarack

S 89° 49' W on a true line bet  
 Secs 3 and 34

N 20° 15' E

Descend in open land

3.00 Ravine course S.W. Ascend

5.00 Descend through heavy timber

12.00 Bottom of canyon bed of

Exterior

of T. 2 S

R. 35 E

Willamette Meridian, Oregon.

- Chance dry creek course S.  
Ascend through heavy timber  
and dense undergrowth.
- 15 00 Summit of ridge course N.E.  
Descend.
- 26.00 Ravine course N.E.  
Ascend
- 40.00 Set post 3 1/2 ft long 3 ins square  
18 ins in the ground with  
mound of stone 3 ft. at base  
18 ins high on E side of  
ravine in open fir timber  
for 1/4 Sec cor marked 1/4 S  
on the N. and S. faces. from which  
A fir 14 ins diam bears  
S 16° W 77 lbs dist marked  
1/4 S B.T.  
A pine 24 ins diam bears  
N 48° E 73 lbs dist marked  
1/4 S B.T.  
Va 20° 45' E



Exteriors

of T

L S

R.

35 E

Willamette Meridian, Oregon.

Chains Descend through dense undergrowth of pine, fir, and tamarack.

75.00. Hollow Ascend.

80.00 Set post 4½ ft long 4 ins square 24 ins in the ground 600 ft above bottom of ravine ahead, for cor. to secs 3. 4

33 and 34 marked

T 2 S S 34 on N E

R 35 E S 3 on S E

T 2 S S 4 on S W and

S 33 on the N W face with 3 notches on the E. and W

faces from which

A fir 22 ins diam bears

N 88° E 48 lbs dist marked

T 2 S R 35 E S 34 B T

A pine 24 ins diam bears

N 40° W 15 lbs dist marked

T 2 S R 35 E S 33 B T

Chain

A fir 13 ins diam base

S 5° E 23 lks dist marked

in limits & raised mound of storm along side  
T 3 S R 35 E S 3 B T no other trees

Land high rolling and mountainous

Soil gravelly 4th rate

Timber fir pine and tamarack

S 89° 49' W on a true line bet  
secs 4 and 33

Pa 20° E

Descend through pine and fir timber, undergrowth the same

3.00

A ravine course S W

11.00

Bottom of canyon course S

Ascend through heavy timber

40.00

Set post 3ft long 3 ins square

18 ins in the ground, (on table land in dense forest of young

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Exterior

of T 2 S

R. 35 E

Willamette Meridian, Oregon.

timber) for  $\frac{1}{4}$  sec cor marked  
 $\frac{1}{4}$  S on the N and S faces from which  
 Va  $20^{\circ} 30' E$

A fir 3 ins diam bears

N  $45^{\circ} W$  11 lbs dist marked  
 $\frac{1}{4}$  S B T

A fir 12 ins diam bears

S  $60^{\circ} W$  45 lbs dist marked  
 $\frac{1}{4}$  S B T

65.00 Ascend through young timber

80.00 Set post 4 ft long 4 ins square  
 24 ins in the ground in  
 young pine thicket on table  
 land for cor to secs 4. 5. 32  
 and 33 marked

T 2 S S 33 on N. E.

R 35 E S 4 on S E

T 3 S S 5 on S W and

S 32 on the N W faces

with 4 notches on the E and

2 notches on the W edges.

from which

150  
Sections

40

of T. 2 S R. 35 E

Willamette Meridian, Oregon.

A tamarack 14 ins diam bears  
S 34° E 10 lbs diet marked  
T 3 S R 35 E S 4 B T.

A tamarack 10 ins diam bears  
S 50° W 21 lbs diet marked  
T 3 S R 35 E S 5 B T.

A tamarack 14 ins diam bears  
N 41° W 38 lbs diet marked  
T 2 S R 35 E S 32 B T.

A tamarack 10 ins diam bears  
N 18° E 37 lbs diet marked  
T 2 S R 35 E S 33 B T.

Land high rolling and  
mountainous.

Soil gravelly 3rd rate

Timber pine fir and tamarack

Aug 23 1881

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S 79° 49' W on a true line bet  
secs 5 and 32

Pa 18° 45' E.

Exterior of T. 2 S. R. 35-E<sup>151</sup>

Willamette Meridian, Oregon.

Chains	Descend through dense timber and undergrowth
10.00	A ravine course S.
16.00	Leave timber. Ascend.
21.00	Enter timber and descend.
28.00	Bottom of canyon course S. Ascend.
40.00	Set post 3 1/2 ft long 3 in square 18 in in the ground on hill side sloping E. in heavy fir timber and dense undergrowth, for 1/4 sec cor marked 1/4 S on the N and S faces from which A fir 14 in diam bears N 78° W 11 lks dist marked 1/4 S B.T. A pine 5 in diam bears S 17° E 17 lks dist marked 1/4 S B.T. Va. 20° 15' E.
70.00	Ascend through heavy timber

Chain	
72.00	Center of old Baly road Course N W and S E along ridge
75.00	Summit of ridge Course N. W. Descend
80.00	Set post 4 1/2 ft long 4 in square 2 ft in the ground with mound of stone 3 1/2 ft at base 18 in high, on hill side sloping W in open pine timber, for cor to secs 5. 31 and 32 marked T 2 S S 32 on N. E. R 35 E S 5 on S. E. T 3 S S 6 on S W and S 31 on the N W face with 5 notches on the E and 1 notch on the W face, from which A pine 2 in diam bears, N 51° W 14 lks dist marked, T 2 S R 35 E S 31 B T A pine 15 in diam bears,

Extension of T. 2 S. R. 35 E 153

Willamette Meridian, Oregon.

Chains S 30° E 12 lbs dist marked,  
 T 3 S R 35 E S 5 B.T.  
 A fir 10 in diam bears,  
 N 77° E 70 lbs dist marked,  
 T 2 S R 35 E S 3.2 B.T.  
 Land high rolling and  
 mountainous  
 Soil rocky 2nd rate  
 Timber fir pine and tamarack

S 89° 49' W on a true line bet  
 Secs 6 and 31.

Pa 23° 40' E.

Descend through young pine  
 and fallen timber.

16.00 Bottom of canyon, course S. W.  
 Ascend through dense timber.

25.00 Summit, Course S. W.

N<sub>3</sub> Descend, Fallen timber

40.00 Set post 3 1/2 ft long 3 in square  
 18 in in the ground with a

E 154  
Explorations

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of T. 2 S R. 35 E

Willamette Meridian, Oregon.

Chains mound of stone 3 ft at base 18 ins high, on S.W. hillside 250 ft above ravine, in open pine timber for  $\frac{1}{4}$  sec cor, marked  $\frac{1}{4}$  S on ~~W~~<sup>N</sup> and S faces, from which  
 A fir 12 ins diam bears  
 N 87° E 68 lbs dist marked  
 $\frac{1}{4}$  S B.T.  
 A pine 6 in diam bears  
 S 35° E 27 lbs dist marked  
 $\frac{1}{4}$  S B.T.

Va 20° 15'

Descend through heavy timber

48.00 Bottom of canyon Course N.W.

66.00 Ravine course N.

71.00 Ravine course N.

79.61 Cor to Tps 2 and 3 S R. 34 &amp; 35 E

Described when established

Land rough, broken, high,  
and mountainous,

Soil rocky 3rd rate



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Exteriors

of T 2 S

R. 35-E 155

Willamette Meridian, Oregon.

Chain

Timber fir pine and tamarack,

Thence I run

N. Bet Secs. 31 and 36

Va 20° E.

Descend and enter timber

6.50

A ravine course E.

Ascend.

10.00

Table land with heavy pine and  
fir timber, undergrowth the  
same, with much fallen timber

19.25

Center of Baly road course  
N. W. and S. E.

40.00

Set post 3 1/2 ft long, 3 ins square  
18 ins in the ground in open  
timber on W. side of gentle  
slope, for 1/4 sec. cor. marked  
1/4 S. on the E and W faces, from which  
A tamarack 12 ins diam bears,  
N 66° W 67 the dist marked,

FINAL OATHS FOR SURVEYS.

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A list of the names of the individuals employed by.....

*Jacob C. 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 *Townships 1, 2 & 3 S. Range 35 E of T1 S, R, 36 E* Willamette Meridian, Oregon, showing the respective capacities in which they acted :

- ....., Compassman.
- W. T. Slater*....., Chainman.
- J. D. Fenton*....., Chainman.
- ....., Chainman.
- ....., Chainman.
- R. Morgan*....., Axeman.
- C. D. Goodnough*....., Axeman.
- ....., Flagman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted.....

*Jacob C. Cooper*, U. S. Deputy Surveyor, in surveying all those parts or portions of the *Exterior lines of Townships 1, 2 and 3 South Range 35 E. of Town 1 S R 36 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.
- W. T. Slater*....., Chainman.
- J. D. Fenton*....., Chainman.
- ....., Chainman.
- ....., Chainman.
- R. M. Morgan*....., Axeman.
- C. D. Goodnough*....., Axeman.
- ....., Flagman.

Subscribed and sworn to before me, this *second* day of

*September* 188*1*

[SEAL.]

*Robert J. Leach*  
*Notary Public*

# FINAL OATHS FOR SURVEYS.

290 A list of the names of the individuals employed by.....

*Jacob C 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*.....

lines of *T1SR 37 E and*.....

*T1NRs 37 & 38 E*..... Willamette Meridian, Oregon, showing the respective capacities in which they acted :

- ....., Compassman.
- R. D. Cooper*....., Chainman.
- Chas W Ladd*....., Chainman.
- C. D. Goodnough*....., Chainman.
- ....., Chainman.
- C. D. Goodnough*....., Axeman.
- R. M. Morgan*....., Axeman.
- ....., Flagman.

## FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted *Jacob C Cooper*....., U. S. Deputy Surveyor, in surveying all those parts or portions of the *Exterior lines*.....

of *T1SR 37 E and*.....  
*T1NRs 37 & 38 East*..... 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. Goodnough*....., Chainman.
- R. D. Cooper*....., Chainman.
- Charles Gadot*....., Chainman.
- ....., Chainman.
- C. D. Goodnough*....., Axeman.
- R. M. Morgan*....., Axeman.
- Charles Gadot*....., Flagman.

Subscribed and sworn to before me, this *13<sup>th</sup>*..... day of *October*..... 188*1*.....

[SEAL.]

*Robert J. Staler*  
 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 Tolman

U. S. Surveyor General for Oregon, bearing date of the first day of

July, 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 of

the United States, surveyed all those parts or portions of the Exterior lines of

Tps 1, 2, 3, 3. S R 35-E, T1 S R 36 & 37 E, T1 N R 37 & 38 E

Willamette 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 seventh

day of January, 1882.

Henry Warner  
Notary Public

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Office U. S. Surveyor General,

Portland, Oregon, April 5, 1882

The following Field Notes of the Survey of

The E. 1/4 of Tps. 1-2-3 SR 35 E.  
T1 SR 36 and 37 E. and T. 1-  
N R 37 and 38 E.

executed by Jacob C. Cooper  
under his contract No. 397

dated July 1, 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. Tolman  
Surveyor General.