

## FIELD NOTES

Of the survey of the First Standard  
Parallel Lines of 755 Rps 34, 35,  
36 & 37. E, Willamette Meridian,  
 Oregon, as surveyed by Jacob C. Cooper,  
 \_\_\_\_\_, U. S. Deputy Surveyor,  
 under his Contract No. 397, dated  
July 1st, 1881

Survey commenced, July 22 1881  
 Survey completed, Aug 15 1881

## NAMES AND DUTIES OF ASSISTANTS.

Jacob C. Cooper, Compassman.  
W. J. Slater, Chainman.  
Jeff D. Fenton Jr, Chainman.  
R. M. Morgan, Chainman.  
C. D. Goodnough, Chainman.  
C. D. Goodnough, Axeman.  
R. M. Morgan, Axeman.  
 \_\_\_\_\_, Flagman.

PRELIMINARY OATHS OF ASSISTANTS:

We, .....

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 .....

..... lines of .....

..... Willamette Meridian, Oregon.

....., Chainman.

....., Chainman.

....., Chainman.

....., Chainman.

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

day of ..... 188 .....

[SEAL.]

We, ..... 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 .....

..... Willamette Meridian Oregon.

....., Axeman.

....., Axeman.

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

day of ..... 188 .....

[SEAL.]

STATE OF OREGON, }  
 County of Union. } ss.

We, Jeff D. Fenton, W. S. Slater, R. M. Morgan  
 and C. D. Goodnough 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 of the 1<sup>st</sup> Standard Parallel South through Ranges 34, 35, 36, and 37 E. Willamette Meridian, Oregon

Jeff. D. Fenton p Chairman

W. S. Slater Chairman

R. M. Morgan Chairman

C. D. Goodnough Chairman

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Subscribed and sworn to before me  
this 16 day of July 1887

J. M. King  
Notary Public for Oregon.

We R M Morgan & C. D. Goodrough  
do solemnly swear that we will  
and truly perform the duties  
of examiners in <sup>the</sup> 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 Base  
line from its present terminus  
to the east line of the State of  
Oregon

R M Morgan Assessor  
C D Goodrough Assessor  
Subscribed and sworn to before me  
this 16th day of July 1881

Geo. M. King

Notary Public for Oregon.

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First Standard Parallel South

Will. Weir.

First Standard Parallel of T 5S R. 34E

Willamette Meridian, Oregon.

Chains

T 5S R 34E S 35 B 1

Land high broken and mountainous

Soil rocky and gravelly 4th rate  
Timber fir pine and tamarack.

W. on S boundary of sec. 34  
Pa. 20° E.

Descend through dense black pine  
heavy scattering and fallen poles

16.00

Trail course W

17.50

Enter hollow course W

28.00

Ravine course N.W.

Ascend through dense pine

33.00

Descend through dense pine

40.00

Set post 3 1/2 ft long 3 in x 3 in square  
18 in in ground on W side of steep  
hill 100 ft above creek for  
Standard 1/4 sec. cor. marked  
S 1/4 S on N. from which  
A pine 4 in diam bears.



340

46

First Standard Parallel of T. 58 R. 34E

Willamette Meridian, Oregon.

- |        |   |
|--------|---|
| Chains | N 27° W. 7 lks dist marked S. C. 4 S. B. T.<br>A pine 6 ins diam bears  |
| 41.75  | N 52° E 16 lks dist marked S. C. 4 S. B. T.<br>A stream 5 lks wide course N.<br>Ascend  |
| 54.86  | Point of rocks ascend along N.<br>side of canyon  |
| 58.00  | Descend   |
| 60.15  | Bottom of ravine<br>Ascend through open pine  |
| 80.00  | Set post 4½ ft long 4 ins square<br>2 ft in ground on S side of ridge<br>N side of canyon 30 ft below<br>summit for Standard cor to<br>sec 33 and 34 marked<br>S. C. 5 S R. 34 E on N.<br>S 34 on E and<br>S 33 on W face with 3 notches<br>on E and W side from which<br>A pine 8 ins diam bears<br>N 63° E 18 lks dist marked |

Trsect. Standard Parallel of T 5 S R. 34 E

Willamette Meridian, Oregon.

Chain

T 5 S R 34 E S 34 BT

A fir 10 ins diam base

N 45° W 16 lbs dist marked

T 5 S R 34 E S 33 BT

Land high mountainous and broken

Soil rocky and gravelly 4th rate  
Timber pine fir and tamarack

Aug 13. 1881

West on S boundary sec 33

Pa 26° E.

Ascend on N side of canyon  
through heavy pine timber

8.25

Ravine

Ascend

21.00

Point of rock. Descend

25.75

Bottom of canyon course E

Ascend through black pine and  
down timber

40.00

Set post 3 ft long 3 ins square

348

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First Standard Parallel of T. 58 R. 34E

Willamette Meridian, Oregon.

Chain

Runs in ground on E side of hill  
in dense black pine for  
Standard  $\frac{1}{4}$  sec cor marked  
S.C. 48 on N from which  
A pine 5 in diam bears  
N  $72^{\circ}$  W 9 lbs dist marked S.C.  $\frac{1}{4}$  S.B.T.  
A pine 4 in diam bears  
N  $25^{\circ}$  E 5 lbs dist marked S.C.  $\frac{1}{4}$  S.B.T.  
Ascend

61.75

Summit of Blue mountain  
Dividing head water of Grand  
Ronde and John Day Rivers

80.00

Descend through dense black pine  
Set post  $4\frac{1}{2}$  ft long 4 in square  
2 ft in ground in dense black  
pine and fir timber, for standard  
cor to secs 32 and 33 marked  
S.C. 55 N  $34^{\circ}$  E on N  
S 33 on E and  
S 32 on W face with 4 notches  
on the E and 2 notches on W edge.  
from which

Chains

A pine 12 ins diam bears  
N 25° E 17 lks dist marked  
T 5 S R 34 E S 33 B.T.

A fir 14 ins diam bears  
N 29° W 129 lks dist marked  
T 5 S R 34 E S 32 B.T.

Land high rugged and  
mountainous  
Soil rocky and gravelly 4th rate  
Timber tamarack pine and fir.

W on S boundary sec 32  
Va. 20° E

Descend through dense pine and  
fir timber

16 00 A stream 3 lks wide course N.W.

19 00 Spring branch course N.

Ascend through black pine and  
fallen timber

27 00 Descend through dense fir and  
black pine timber.

350

50

First Standard Parallel of T. 5 S R. 34 E

Willamette Meridian, Oregon.

Chain

40.00

Set post  $3\frac{1}{2}$  ft long 3 ins square  
 18 ins in ground on N.W. hillside  
 in dense black pine and fir  
 for standard  $\frac{1}{4}$  sec. cor. marked  
 $\frac{1}{4}$  S.B.C. on N. from which  
 A pine 5 ins diam bears  
 $N68^{\circ}W$  9 lks dist marked S.C.  $\frac{1}{4}$  S.B.C.  
 A fir 5 ins diam bears  
 $N8^{\circ}E$  9 lks dist marked S.C.  $\frac{1}{4}$  S.B.C.  
 Descend through dense pine and  
 fir timber.

42.60

Center of stream, 10 lks wide course N.E.

43.50

Ascend through black pine

68.50

Old Indian trail course W.

77.00

Summit of mountain ridge.

Descend through dense black pine  
 and fir timber

80.00

Set post  $4\frac{1}{2}$  ft long 4 ins square  
 2 ft in ground near the summit  
 of high ridge course N and S for

Chains

Standard cor to pces. 31 and 32 marked

S. S. T. S. R. 34 E on No.

S 32 on E

S 31 on W. face with 5 notches on the E and 1 notch on the W face.

A tamarack 14 ins diam bears <sup>from which</sup>

N 45° E 23 lks dist marked

T. S. R. 34 E S 32 B. S.

A tamarack 11 ins diam bears

N 30° W. 24 lks dist marked

T. S. R. 34 E S 31 B. S.

Land high broken and mountainous.

Soil rocky and gravelly 4th rate

Timber pine fir and tamarack.

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First Standard Parallel of T. 58 R. 34 E.

Willamette Meridian, Oregon.

### General Description

This line runs over the main divide of the Blue Mountains running N and S between the waters of the Grand Ronde and John Day Rivers

It is very high and mountainous, rough and broken, and is a continuous forest of pine fir and tamarack and spruce

On both sides of the line, pure cold mountain streams are numerous.

Wild deer and elk abound in great numbers.

Soil is poor.

Grazing below average

Lumber fair

Aug. 15 1881

Jacob C. Cooper  
U.S. Deputy Surveyor.

FINAL OATHS FOR SURVEYS.

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 First Standard  
parallel South lines of through Ranges  
34, 35, 36, 37 E of Willamette Meridian, Oregon,  
 showing the respective capacities in which they acted :

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

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted J. C. Cooper  
 ..... U. S. Deputy Surveyor, in surveying all  
 those parts or portions of the First (1<sup>st</sup>) Standard  
parallel South through Ran-  
ges 34, 35, 36 & 37 East of 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 es-  
 tablished, according to the instructions furnished by the U. S. Surveyor General of  
 Oregon.

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

Subscribed and sworn to before me, this Second 12<sup>th</sup> day of  
September 1887.

[SEAL.]

Robert J. Slater  
Notary Public



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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. Tolson

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 first

Standard Parallel South through Ranges 34, 35, 36 & 37

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 sixth

day of February, 1882.

Henry Warner  
Notary Public



**Office U. S. Surveyor General,**Portland, Oregon, *April 5,* 188*2*

The following Field Notes of the Survey of  
*First Standard Parallel*  
*through T. 5 S. Rgs. 34. 35. 36*  
*37 E. Will. Mer. Or.*  
executed by *Jacob C. Cooper*  
under *his* contract No. *397*  
dated *July 14"* 188*1*, 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.