

## FIELD NOTES.

On the survey of the *Exterior Boundary*  
 Lines of *Townships 3, 4 & 5 North*  
*Range 39 East.* *Willamette Meridian,*  
 Oregon, as surveyed by *Refus S Moore*  
 U. S. Deputy Surveyor, under his Contract No. *437*  
 dated *June 3<sup>d</sup>* *1882*

Survey commenced *August 17<sup>th</sup>* *1883*  
 Survey completed *August 30<sup>th</sup>* *1883*

## NAMES AND DUTIES OF ASSISTANTS.

*F. W. Campbell*, *Compassman.*  
*John S Gutteridge*, *Chainman.*  
*Frank Ellis*, *Chainman.*  
 \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Chainman.*  
*Cary N Matlock*, *Axeman.*  
 \_\_\_\_\_, *Axeman.*  
 \_\_\_\_\_, *Flagman.*

689A

PRELIMINARY OATHS OF ASSISTANTS.

We, John S. Rutledge and  
Frank Ellis

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 boundary

lines of Townships 3, 4 + 5

North Range 39. East Willamette Meridian, Oregon.

John S. Rutledge, Chainman.

Frank Ellis, Chainman.

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

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

Subscribed and sworn to before me, this Aug. 17th

August 1883

[SEAL.] Frank W. Campbell  
U.S. Deputy Surveyor

We, J. Cary & Mallock 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 Townships 3, 4 + 5

North Range 39. East Willamette Meridian, Oregon.

Cary & Mallock, Axeman.

\_\_\_\_\_, Axeman.

Subscribed and sworn to before me, this 17th

day of August 1883

[SEAL.] Frank W. Campbell  
U.S. Deputy Surveyor

689 B

.....of T.....R.....  
Willamette Meridian, Oregon.

In pursuance of special instructions received from James C Tolman W.S. Surveyor General of Oregon dated May 31<sup>st</sup> 1883 based on letter C. of Commissioner of General Land office dated May 2<sup>d</sup> 1883

I proceed to correct - certain errors made by Rufus S. Moore under his Contract ~~7~~ No 437 dated June 3<sup>d</sup>. 1882  
as follows

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Exteriors of T. 5 North R. 39 East 717A

Willamette Meridian, Oregon.

From the star and cor, to Township  
5 North, Ranges 38 & 39 E which  
is a basal stone  $18 \times 15 \times 12$  <sup>in</sup> 12 in  
in ground, marked "SC on N"  
on the N, S, E & W edges

from which

A pin 5 ms. in dia. bears  $N 35^\circ E$  32 lks. dist.  
marked T 5 N R 39 E S 31 B F

A pin 22 ms. in dia. b.  $N 43^\circ W$  13 lks. dist.  
marked T 5 N R 38 E S 36 B F.

A pin 44 ms. in dia. bears  $S 20^\circ W$  4 lks. dist.  
marked T 4 N R 39 E S 6 B F.

Thence I run

North between Secs. 31 & 36

Var  $20^\circ 15'$  East

15.30 find flag ahead to point on line  
(impossible to chain) and run  
Base 161 lks East gives an angle of  
 $6^\circ 55'$ . Base multiplied by Nat.  
Cotan. of angle gives 13,23 lks. to  
flag plus 15.30 lks. gives  
28.53 To flag from cor.

Quaternaries of T. 5 North R. 39 East

Willamette Meridian, Oregon.

- 29,20 Top of high ridge bears E & W 100 ft  
above Standard cor. & descend
- 38,60 Ravine course East 500 ft, below  
top of ridge and ascend
- 40,00 Six or less alt stones  $15 \times 10 \times 8$  <sup>in</sup> - 10 ins  
in ground for  $\frac{1}{4}$  sec. cor. 100 ft. above  
Ravine. - marked  $\frac{1}{4}$  on W. face  
from which
- A fir 9 ins. in dia. bears  $N 22^\circ E$  20 lks. dist  
marked  $\frac{1}{4}$  S. B. F.
- A fir 12 ins. in dia. bears  $S 75^\circ W$  12 lks.  
dist marked  $\frac{1}{4}$  S. B. F.
- 43,50 Top of low ridge bears E & W 50 ft  
above  $\frac{1}{4}$  sec. cor.
- 46,80 Ravine course E 50 ft. below  
top of ridge
- 50,25 Top of ridge bears E & W 100 ft.  
above ravine
- 54,00 Ravine course East 100 ft. below  
top of ridge
- 59,25 Top of ridge bears E & W 100 ft

Exteriors of T. 5 North R. 39 East 719

Willamette Meridian, Oregon.

above ravine

64,50 Branch 4 lks. wide in ravine runs  
SE 400 ft. below top of ridge  
and asant

80,00 Pit a basalt stone 14 x 13 x 6 <sup>ins</sup> 11 ins  
in ground for cor. to sec. 30, 31

25 & 36 200 ft. above Branch -  
-marked with 1 notch on S and 5 notches  
on N. edges, from which

A pine 32 ins. indio, bear N 60° W 71 lks. dist  
marked T 5 N R 39 E S 25 B F, and  
raised a mound of stone along side  
Pit impracticable

Land mountainous

Soil 4" rate and stony

Timber, scattering pine and fir  
and some undergrowth of <sup>pine & fir</sup> ~~fir~~

Exterior of T. 5 North R. 39 East  
Willamette Meridian, Oregon.

North between Secs 25 + 30

Var  $78^{\circ}30'$  East

4,00 Top of high ridge bears N W + S E  
200 ft above sec. cor. & descend

13,43 Ravine course East 400 ft, below  
top of ridge

24,80 Top of ridge bears E or W 100 ft  
above ravine & descend

40,00 Six basal stone  $18 \times 14 \times 4$  <sup>ins</sup> on  
rocky point 200 ft, below top  
of last ridge, for  $\frac{1}{4}$  sec cor,  
marked  $\frac{1}{4}$  on W. face  
from which

A fir 6 ins. in dia. bears S  $83^{\circ}$  E 71 lks. dist  
marked  $\frac{1}{4}$  S. B. T.

A fir 10 ins. in dia. bears N  $39^{\circ}$  W 45 lks.  
dist - marked  $\frac{1}{4}$  S. B. T.

From this cor. impossible to  
chain across canon ahead &  
send flag across to point on line  
and run a Base 350 lks. East  
gives an angle of  $4^{\circ}30'$ , Base

Exteriors of T. 5<sup>th</sup> North R. 39 East 721

Willamette Meridian, Oregon.

multiplied by  $\text{Nat. Cotan. of angle}$   
gives 44,45 chs to flag, & then  
measure back 445 lks, to true cor. point  
at about

65,00 Creek in rocky canon 20 lks, wide  
runs SE 700 ft, below  $\frac{1}{4}$  sec cor.  
and ascend

80,00 Set a basal stone  $24 \times 16 \times 7$  in, in  
ground for cor. to sec. 19, 30,  $24 \times 25$   
300 ft. above creek - marked with  
2 notches on S and 4 notches on the edges  
and raised a mound of stone along  
side. Ditto impracticable

Land high and mountainous  
Soil 4" rate and stony

Timber scattering fir, Hemlock  
and pine, and some undergrowth  
fir hemlock pine  
of ~~apple~~ and alder

52 722

Exterioro of T. 5 North R. 39 East

Willamette Meridian, Oregon.

North between Secs 19 & 24

To 21° East

11,75 Top of ridge bears NE & SW 500 ft,  
 above sec. cor., impossible to  
 chain. Send flag ahead to point  
 on line and run a Base 400 lbs W,  
 gives an angle of 5° 15'. Base  
 multiplied by Nat. Cotan. of angle  
 gives 4352 lbs. to flag plus 1175 lbs.  
 gives

55,27 To flag from last sec. cor.  
 Impracticable to set the 4th cor.  
 between secs 19 & 24, on account of  
 rough and broken ground

59,00 Top of high ridge bears NW & SE 500 ft  
 above top of last ridge  
 & Descend

63,25 Ravine course East 100 ft. below  
 top of ridge and ascend

66,50 Top of ridge bears E & W 100 ft.  
 above last ravine

68,10 Ravine course East 100 ft. below

53  
723

Extension of T. 5 North R. 39 East  
Willamette Meridian, Oregon.

top of last ridge and ascend

74,25- Top of ridge bear E & W 100 ft.  
above last ravine & descend

78,50 Ravine course East 75 ft. below  
top of last ridge

80,00 Jet a basalt stone  $18 \times 10 \times 10$  <sup>ins.</sup>  $\frac{12}{12}$  ins.  
in ground for cor. to sec. 18, 19, 13 & 24  
30 ft. above last ravine - marked  
with 3 notches on W & S edges.

from which

A Hemlock 48 ins. in dia. bears S  $25^{\circ}$  E 32 lbs.  
dist. marker T5 N R 39 E S 19 B. J.

A raised mound of stone  
alongside. Pit impracticable

Land mountainous

Soil 4" rate

Timber Hemlock, Fir, Spruce and

Pine and some undergrowth  
of 4" fir Spruce & Pine.

August 4<sup>th</sup> 1882

Exteriors of T. 5 North R. 39 East

Willamette Meridian, Oregon.

North between Secs 13 + 18

To 22° East

- 25.75 Top of ridge bears E & W 400 ft.  
above sec cor.
- 28.25 A spruce 36 in in dia: 100 ft. below  
top of ridge
- 39.15 Spring branch 3 in. wide runs E,  
300 ft. below line tree
- 40.00 Six or basalt stone 15 x 13 x 10<sup>ins</sup> 10 ins  
in ground for  $\frac{1}{4}$  sec. cor, 30 ft. above  
branch - marked  $\frac{1}{4}$  on W. face and  
raised a mound of stone alongside  
Site impracticable
- 55.75 Top of ridge bears E & W 400 ft  
above  $\frac{1}{4}$  sec. cor.
- 66.40 Ravine course East 150 ft. below  
top of ridge
- 78.50 Entrance prairie bears N E & S W 100 ft  
above ravine
- 80.00 Six or basalt stone 18 x 12 x 8<sup>ins</sup> - 12 ins  
in ground for cor. to sec, 7, 18, 128/13  
30 ft. above point of entering prairie

55-  
725

Exteriors of T. 5 North R. 39 East

Willamette Meridian, Oregon.

marked with 4 notches on A and 2 notches  
on B edges. from which

A spruce 24 ins. in dia, bears  $N 72^{\circ} E$  109 lks,  
dist-marked T 5 N R 39 E S 7 B, F.

A fir 9 ins. in dia, bears  $N 79^{\circ} W$  102 lks, dist  
marked T 5 N R 38 E S 12 B, F

A fir 12 ins. in dia, bears  $S 59^{\circ} W$  123 lks,  
dist-marked T 5 N R 38 E S 13 B, F

A spruce 20 ins. in dia, bears  $S 63^{\circ} E$  98 lks,  
dist-marked T 5 N R 39 E S 18 B, F.

Land mountainous

Soil 3" & 4" rate

Timber Spruce, fir & pine and

some undergrowth of black  
spruce, fir & pine.

North between Secs. 7 & 12

Ta 33 East

1.50

1.50 Leave prairie bears NE & SW

7.00

7.00 Enter prairie bears NW & SE

10.00

10.00 Top of Divide between N. & S. forks  
of Walla Walla river bears NE & SW

56  
726

Sections of T. 5 North R. 39 East  
Willamette Meridian, Oregon.

- 200 ft above Sec. cor.
- 12.50 Clear prairie bears E & W 30 ft  
below top of Divide
- 14.88 A Spruce 36 ins. in dia 100 ft  
below point of leaving prairie
- 32.50 Blazed trail bears N 68° E & W 50 ft  
below line tree
- 39.90 Clear timber bears E & W
- 45.00 Set a basal stone 18 x 12 x 7-12<sup>ins</sup>  
in ground for  $\frac{1}{4}$  sec. cor., 50 ft.  
below blazed trail, marked  $\frac{1}{4}$   
on W. face, from which  
A Spruce 6 ins. in dia. bears S 46° E 30 ft.  
dist-marked  $\frac{1}{4}$  S. C. J.
- A Spruce 8 ins. in dia. bears S 87° W 60 ft.  
dist-marked  $\frac{1}{4}$  S. C. J.
- 50.00 Enter timber bears E & W
- 52.75 Ravine course N. W.
- 54.75 Ravine course NW
- 62.60 Spring branch 3 IRs. wid run NW
- 64.50 Spring branch 4 IR wid run S W  
300 ft. below  $\frac{1}{4}$  sec. cor.  
and ascend

Extensions of T. 5 North R. 39 East

Willamette Meridian, Oregon.

8000 lbs a basalt stone  $20 \times 11 \times 8 \frac{1}{2}$  ins. 15 ins.  
in ground for cor. to secs. 6, 7.

1912 300 ft above branch -  
marked with 3 notches on S and 1  
notch on N edges, from which

A spruce 10 ins. in dia. bears  $N 55^{\circ} E$  27 lks, dist  
marked T5 N R 39 E S 6 B F

A hemlock 48 ins. in dia. bears  $N 45^{\circ} W$   
6 lks, dist-marked T5 N R 38 E S 1 B F

A hemlock 24 ins. in dia. bears  $S 23^{\circ} W$  19 lks,  
dist-marked T5 N R 38 E S 12 B F

A spruce 10 ins. in dia. bears  $S 58^{\circ} E$  26 lks,  
dist-marked T5 N R 39 E S 7 B F.

Land high and mountainous  
Soil 3" sat

Timber fir, spruce, hemlock  
and tamarack and undergrowth  
fir, spruce, hemlock & tamarack  
of Alder and alder.

Exteriors of T. 5 North R. 39 East  
Willamette Meridian, Oregon.

North between Secs. 1 & 6

Ta 22° East

9.00 Ravine course West 150 ft.

below sec. cor.

13.80 Enter Opening bears E & W.

17.90 Leave Opening and enter timber  
bears E & W 300 ft. at our ravine

and top of ridge bears E & W

and Descend

40.00 Set an Alder post 3 ft. long 3 ins. sq.  
24 ins. in ground for  $\frac{1}{4}$  sec cor.

100 ft. below top of ridge marked  
 $\frac{1}{4}$  S on W. face, from which

An Alder 4 ins. in dia. bears S 35° E 11.16  
dist - marked  $\frac{1}{4}$  S B F

An Alder 5 ins. in dia. bears S 55° W 19.16  
dist - marked  $\frac{1}{4}$  S B F

40.75 Spring branch 7 lks. wide runs NW.  
50 ft. below  $\frac{1}{4}$  sec. cor. and ascend

45.00 Top of ridge bears E & W 100 ft above  
Spring branch

50.85 Ravine course West 100 ft. below

Estuirs of T. 5 North R. 39 East  
Willamette Meridian, Oregon.

top of Ridge - August 9<sup>th</sup> 1882

54.00 Spring branch 5<sup>th</sup> wide runs SW,  
100 ft below last ravine

Ascend 1000. ft to

75.50 Dry Ravine course S.E.

90.08 Intersect S boundary of Township  
6 North Range 38, E 18, 22. Chs E of Cors  
to Secs 35, 36, 1 and 2. which is a post  
4 mi square in Stone mound

post is marked T. 6, N. R. 38, E. S. 36 on NE  
S. 35 on NW, S. 2 on SW and S. 35 S. 1 on  
S. E. faces with 5 notches on W and  
1 on E edges from which:

A spruce 10 mi diam bears N 2° E 49 lb dist  
marked S. 36, B. 4, remark

the tree T. 5, N. R. 38, E. S. 36, B. 4,  
and obliterate marks on post pertaining  
to Secs S of line and mark a  
Spruce 8 mi diam bears N 71° W 107 lb dist  
marked T. 6, N. R. 38, E. S. 35, B. 4,

and at the point 18, 22 Chs E of other Cors

730

Esterois of T. 5 North R. 39 East  
Willamette Meridian, Oregon.

Set a post 4' 1/2 ft long 4 in square  
24 in in ground for corner  
corner to Township 5 North  
Range 38 + 39, E. marked  
T. 5, N. 6, E. on S  
R. 39 E. S. 6 on E and  
R. 38 E S. 1 on W faces with 6  
notches on E, S and W faces  
from which:

A Spruce 8 in diam bears N 24° W 11 lbs dist  
marked T. 5, N. R. 38, E. S. 36, B. T.

A Spruce 6 in diam bears S 65° W 6 lbs dist  
marked T. 4, N. R. 38 E S. 1, B. T.

A Spruce 8 in diam bears S 68° E 6 lbs dist  
marked T. 4, N. R. 39, E. S. 6, B. T.

Land broken & mountainous

Soil 2<sup>nd</sup> + 3<sup>rd</sup> rates

Heavily timbered with Spruce fir and  
Lamarack

Scarcely under growth of Spruce fir + Hemlock

August 5<sup>th</sup> 1882

780

### FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by Rufus S Moore, 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 boundary lines of Townships 3, 4 + 5 North Range 39 East Willamette Meridian, Oregon, showing the respective capacities in which they acted:

- Frank W Campbell, Compassman.
- J. S. Guttridge, Chainman.
- Frank Ellis, Chainman.
- \_\_\_\_\_, Chainman.
- \_\_\_\_\_, Chainman.
- C. V. Matlock, Axeman.
- \_\_\_\_\_, Axeman.
- \_\_\_\_\_, Flagman.

### FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted Rufus S Moore, U. S. Deputy Surveyor, in surveying all those parts or portions of the Exterior boundary lines of Townships 3, 4 and 5 N. of Range 39 East of the 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.

- Frank W Campbell, Compassman. U. S. D. Survey
- J. S. Guttridge, Chainman.
- Frank Ellis, Chainman.
- \_\_\_\_\_, Chainman.
- \_\_\_\_\_, Chainman.
- C. V. Matlock, Axeman.
- \_\_\_\_\_, Axeman.
- \_\_\_\_\_, Flagman.

Subscribed and sworn to before me, this Thirtieth day of September 1883

[SEAL.] J. L. Carter  
Notary Public for Union Co Oregon

FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by Rufus S. Moore, 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 Extension boundary lines of Taps 3, 4 and 5 North Range 39 East, Willamette Meridian, Oregon, showing the respective capacities in which they acted :

- James Guttridge, Compassman.
John Guttridge, Chainman.
Joe Parodi, Axeman.
Axeman.
Flagman.

FINAL OATHS OF ASSISTANTS

We hereby certify that we assisted Rufus S. Moore, U. S. Deputy Surveyor, in surveying all those parts or portions of the Extension boundary line of Taps 3, 4, 5 North of Range 39 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 established, according to the instructions furnished by the U. S. Surveyor General of Oregon.

- James Guttridge, Compassman.
John Guttridge, Chainman.
Joe Parodi, Axeman.
Axeman.
Flagman.

Subscribed and sworn to before me, this First day of August 1882. Rufus S. Moore Notary Public

[SEAL.]

## FINAL OATH OF DEPUTY SURVEYOR.

I, Rufus S. Moon  
 United States Deputy Surveyor, do solemnly swear that in pursuance of in-  
 structions received from Jos. C. Johnson  
 U. S. Surveyor General for Oregon, bearing date of the Third  
 day of June, 1882, I have well, faith-  
 fully 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, surveying all those

parts or portions of Exterior line of Twp.  
3, 4 + 5 North Range No 39 East  
 Willamette Meridian, in the State of Oregon, as are represented in the fore-  
 going 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 pro-  
 visions of an Act of Congress approved August 8, 1846.

Rufus S. Moon  
 U. S. Deputy Surveyor.

Subscribed and sworn to before me, this 10<sup>th</sup>  
 day of February, 1883

Bamford Robb  
 Notary Public.

764

**Office U. S. Surveyor General,**

Portland, Oregon, *April 11* 188*3*

The following Field Notes of the Survey of the  
*Exteriors of Twp. 3, 4 and 5 North*  
*Range 39 East, Will. Mex., Oregon*

executed by *Rufus S. Moore*

under his Contract No. *437*, dated *June 3<sup>d</sup>*

*1882*, having been critically examined, the  
necessary corrections and explanations made, the said field notes  
and the survey they describe, are hereby approved.

*James C. Tolman*  
Surveyor General.