

## 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>rd</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 Guttridge, 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

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 line  
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 this line

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  
 Laminarack

Scarcely under growth of Spruce fir + Hemlock

August 5<sup>th</sup> 1882

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

North Between Sec 1 and 6

9.10

on 22° E.

9.10 Spring branch 2 1/2 lbs wide runs N 55 ft  
below Sec. Corner.

13.12 Spring branch 2 1/2 lbs wide runs SW

18.40 " " 3 " " " SW

Ascend 450 ft to:

40.00

40.00 Set a post 3 ft long 3 in diam 24 in in ground  
for "4 Sec. Cor. marked "4 Low H face

from which:

A Spruce 34 in diam bears N 52° E 15 lbs dist  
marked "4 S. B. T.

A Spruce 36 in diam bears N 48° W 35 lbs  
dist - marked "4 S. B. T.

44.00

44.00 Spring branch 2 1/2 lbs wide in Canon  
300 ft below "4 Sec. Corner.

Ascend 200 ft to:

48.00

48.00 Top of Red g. beam E & W

Descend 500 ft to

54.60

54.60 Brook 2 1/2 lbs wide runs W

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

72.50

Ravine course W

77.80

Ravine course W - August 8<sup>th</sup> 1882

destroy Township corner established  
 on a former survey and in order to  
 make this boundary line compare with  
 the boundary of Township measure N. to

90.08

Set a Basalt Stone 17x9x8 in 12 in  
 in ground for Corner to Township  
 5 and 6 North Range 39 and 40 E  
 marked with 6 notches on N. E.  
 Sand W edges from which:

A 10 in diam bears N 31° W 23 in dist  
 marked T. 6. N. R. 39. E. S. 36. B. S.

A 12 in diam bears S 74° W 15-8 in dist  
 marked T. 5. N. R. 39. E. S. 1. B. S.

A 18 in diam bears S 63° E 134 in dist  
 marked T. 5. N. R. 40. E. S. 6. B. S.

No other tree convenient and was  
 a mound of stone alongside  
 230 ft above old cor. point.



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

Land Mountainous

Soil 2<sup>nd</sup> and 3<sup>rd</sup> rate

Heavily timbered with pine fir  
 and Lammack

Survey underground of pine & fir  
 Compared Compass with a  
 meridian obtained by an observation  
 taken on Star Polaris and find  
 Compass to run correctly.

August 25<sup>th</sup> 1883

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

From the Corner to Townships  
 5 and 6 North Range 39 & 40 E  
 I run West on a random line  
 on North boundaries of Secs 1, 2, 3, 4, 5 & 6  
 on a  $21^{\circ}E$ .

I set temporary  $\frac{1}{4}$  Sec. and Sec Corners  
 at every 40 and 80 chs and at  
 5 miles 17 chs and 59 lvs Intersect  
 N Boundary of Township 185 lvs  
 South of the Corner to Townships  
 5 and 6 N. Ranges 38 and 39 E.  
 The correction for the true line  
 will therefore be 37 lvs North per  
 mile and its course will be  
 $S. 89^{\circ}44'E$ .

August 26-27, 1883

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

From the corner to townships 5 and 6  
 North Ranges 38 and 39 East which  
 is a part 4 mi square marked  
 T. 6. N. S. 31 on NE

R. 38 W S 36. on NW

T. 5 N. S. 1 on SW and

R. 39 E S. 6 on S. E. face with 6 notches  
 on N. S. E & W. edges with around of  
 Earth pits &c. destroyed marks  
 referring to Rec 1, and run  
 S  $89^{\circ}44'E$  on a true line bet Sec 6 and 31

or  $22^{\circ}E$

13.25 Ascend along hillside to  
 13.25 Top of divide, and old Indian trail bears  
 NE and SW, 400 ft above corner.

17.59 Set a part 4 ft long 4 mi square 24 mi  
 in ground for corner to Sec 5, 6, 31 & 32  
 marked T. 6. N. S. 32 on NE

R. 39, E. S. 31 on NW

T. 5, N. S. 6 on SW and

S. 5 on SE face with 5 notches on E and 1

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

on Hedge from which:

Aspen 20 in diam bears S 52° W 76 feet  
marked T. 5, N. R. 39, E. S. 6, B. 2

Aspen 18 in diam bears S 71° E 46 feet  
marked T. 5, N. R. 39, E. S. 5, B. 2

Aspen 20 in diam bears N 40° E 18 feet  
marked T. 6, N. R. 39, E. S. 32, B. 2

A Lomaraok 20 in diam bears N 79° W  
61 feet marked T. 6, N. R. 39, E. S. 31, B. 2

Land broken and mountainous

Soil 3<sup>rd</sup> and 4<sup>th</sup> rates.

Heavily timbered with pine fir  
and Lomaraok

Some undergrowth of pine + fir

August 27<sup>th</sup> 1883

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

S 89° 44' E on a true line between 5 + 32  
on 22° E

Descend to

12,00 Indian tracks across NW 1/4.

Descend 150 to

4,000 Set a post 3 ft long 3 in diam 24 in  
in ground for 1/4 Sec. line marked  
1/4 S on N face from which

A Spruce 10 in diam bears N 44° W 15' to post  
marked 1/4 S. B. S.

A Spruce 12 in diam bears S 66° E 22' to post  
marked 1/4 S. B. S.

Ascend 200 ft to

5,300 across 8 to wide prairie S.

Ascend 300 ft to

8,000 Set a post 4 ft long 4 in square 24 in  
in ground for line to Secs 4, 5, 32 + 33  
marked T. 6, N. S. 33 on N. E.

R. 39 E. S. 32 on NW

T. 5, N. S. 5 on SW and

S. 4 on SE face with 4 notches on E

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

- and 2 on W edge from which  
 A Spruce 24 in diam bears  $N 7^{\circ} E 70$  lbs dia  
 marked T. 6. N. R. 39, E. S. 33. B. 1.  
 A Linnarock 24 in diam bears  $N 33^{\circ} W 45$   
 lbs dia - marked T. 6. N. R. 39, E. S. 32 B. 1.  
 A Linnarock 24 in diam bears  $S 48^{\circ} W 35$  lbs dia  
 marked T. 5. N. R. 39, E. S. 5. B. 1.  
 A Linnarock 24 in diam bears  $S 8^{\circ} E 45$  lbs dia  
 marked T. 5. N. R. 39, E. S. 4. B. 1.

Land Mountain

Soil 2<sup>nd</sup> rate.

Heavily timbered with pine  
 Linnarock and Spruce.  
 Less undergrowth of Alder Balsam  
 and Spruce.

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

S 89°44'E on a tree line bet Sec 4 and 33  
va 21°E.

8.70 Ascend 300 ft to

8.70 Top of divide between waters of Walla Walla  
and Grand Ronde rivers bears N.W.

9.00 Indian trails bears N.W.

27.00 Descend 800 ft to  
27.00 Ravine course S.

Ascend 800 ft to.

40.00 Set a post 3 ft long 3 mi diam 24 mi  
40.00 mi ground for 1/4 Sec. corner marked  
1/4 Sec North face. from which:

Aspines 12 mi diam bear N 60° E 12 lbs dist  
marked 1/4 S. B. S.

Aspines 8 mi diam bear S 38° W 18 lbs dist  
marked 1/4 S. B. S.

41.00 Top of Ridge bears N.W. x S.E.

Descend 100 ft to

Ravine course S.

Ascend 300 ft to

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

S 89° 40' E on a true line bet Secs 4 + 33 continued

8000 ft a Basalt Stone, 27' x 12' x 5' in  
21 in in ground for Cor to Secs  
3, 4, 33 and 34, marked with  
3 notches on E and W edges

from which

A 7' 8 in diam bears N 20° E 30 lb dist  
marked T. 6, N. R. 39, E. S. 34, B. 1.

A 7' 4 in diam bears N 26° W 31 lb dist  
marked T. 6, N. R. 39, E. S. 33, B. 1.

A 7' 18 in diam bears S 36° W 160 lb dist  
marked T. 5, N. R. 39, E. S. 4, B. 1.

A 7' 24 in diam bears S 85° E 109 lb dist  
marked T. 5, N. R. 39, E. S. 3, B. 1.

Land Mountain

Soil 3<sup>d</sup> rate

Heavily timbered with pine fir  
and Larch

Some undergrowth of pine + fir  
on N 1/2.



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

S  $89^{\circ}44'E$  on a true line between sea 3 + 34

or  $22^{\circ}E$

2,000 Top of Ridge bean Mt

40,000 Set a Basalt Stone  $18 \times 11 \times 9$  in 12 in

in ground for 14 Sec. Corner marked

14 on N face from which:

A 10 in diam bean S  $60^{\circ}E$ , 68 lb dist

marked 14 S. B. T.

A 24 in diam bean N  $82^{\circ}W$  98 lb dist

48,000 marked 14 S. B. T.

48,000 Ravine corner S.W.

Ascend 200 ft to

80,000 Set a Basalt Stone  $16 \times 10 \times 8$  in 11 in

in ground for line to sea 3.3.34 + 35

marked with 4 notches on N and

2 on E. edge from which:

A 8 in diam bean S  $15^{\circ}W$  42 lb dist

marked T. 5. N. R. 39 E. S. 3. B. T.

A 12 in diam bean S  $83^{\circ}E$  46 lb dist

marked T. 5. N. R. 39. E. S. 2. B. T.

752

82

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

A Lin 12 in diam bears N 49° W 27 lb dist  
 marked T. 6. N. R. 39, E. S. 34, B. 4.

A Lin 13 in diam bears N 52° E 77 lb dist  
 marked T. 6. N. R. 39, E. S. 35, B. 4.

Land Mountain

Soil 2<sup>nd</sup> and 3<sup>d</sup> rate.

Heavily timbered with pine fir  
 and Larch timber

Dense undergrowth of Alder  
 Spruce and Willow.

August 28<sup>th</sup> 1882

S 89° 44' E on a true line bet Sec 2 x 35

ba 22° E.

Ascend 300 ft to:

1900 North Fork of Grande Ronde river  
 20 lb wide river S. E.

Ascend 800 ft to

4000 Set a Basalt Stone 13 x 10 x 8 in  
 9 in in ground for 14 Sec. corner.

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

marked '14 on N face from which;

A Tr' 10 mi diam beam S 40° E 28 lb dist

marked '14 S. B. T.

A Tr' 24 mi diam beam N 82° W 28 lb dist

marked '14 S. B. T.

4800 Gulch corner SW

Ascend 1000 ft to;

6800 Top of Ridge beam N 45

Ascend 200 ft to

8000 At a Basalt Area 20 x 10 x 10 mi 15 mi

mi ground for less to Less 1, 2, 35 + 36

marked with 5 notches on N and

on E. edges from which;

A Tr' 24 mi diam beam N 34° E 16 lb dist

marked T. 6, N. R. 39, E. S. 36, B. T.

A Tr' 6 mi diam beam N 49° W 15 lb dist

marked T. 6, N. R. 39, E. S. 35, B. T.

A Tr' 24 mi diam beam S. 14° W 15 lb dist

marked T. 5, N. R. 39, E. S. 2, B. T.

A Tr' 10 mi diam beam S 18° E 46 lb dist

marked T. 5, N. R. 39, E. S. 1, B. T.

754

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

Land Mountaneous

Soil Honey 4<sup>th</sup> cat.

Small pine timber

Some pine fir and willow brush.

S 89° 44' Cowa true line bet Sec 1 + 36.  
 on 27° E.

Descend 200 ft to:

3,00 Ravine course S.

Ascend 100 ft to:

13,00 Ravine course S.

Ascend 150 ft to

21,00 Top of Ridge bear N. 75.

Descend 300 ft to

4000 Set a Basalt Stone 18 x 8 x 6 in 12 in  
 in ground for 1/4 Sec. low. marked  
 1/4 on N face. and raised a mound  
 of Stone alongside for impracticable  
 Descend 300 ft to:

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

51,000 Branch 5 lbs wide runs S.

Ascend 1,000 ft to:

70,000 Top of Ridge bears 4 lbs. thence  
 along hillside facing South to:

80,000 The corner to Township 5 x 6 North  
 Ranges 39 and 40 East.

Lead Mountainous

Soil 5<sup>th</sup> rate

Scattering pine and Fir timber

Thick willow brush in Ravine

August 30<sup>th</sup> 1883

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Obiterated marks and corners  
 on line established by R. S. Moore  
 on a former survey, as N. boundary of  
 T. 5, N. R. 39, E.

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756

86

Esterois of T. 5<sup>th</sup> South R. 39, East  
Willamette Meridian, Oregon.

### General Description

This Township is mountainous  
Broken and rugged - The Soil  
ranges from 2<sup>nd</sup> to 5<sup>th</sup> rate.

It is heavily timbered with some  
Lamarack Fir and spruce except  
in the extreme N. E. with generally  
a dense undergrowth of Fir some  
Alder Willow Spruce, Lamarack

760

# 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.
- J. S. Guttridge, Chainman. Survey
- Frank Ellis, Chainman.
- \_\_\_\_\_, Chainman.
- \_\_\_\_\_, Chainman.
- C. V. Matlock, Axeman.
- \_\_\_\_\_, Axeman.
- \_\_\_\_\_, Flagman.

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

Subscribed and sworn to before me, this 1st day of August 1882

[SEAL.] Rufus S. Moore Notary Public



## 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.

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**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.