

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^d* *1882*

Survey commenced *August 17th* *1883*
 Survey completed *August 30th* *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 31st 1883 based on letter C. of Commissioner of General Land office dated May 2^d 1883

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

Section 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 14 Sec. Cor. marked 14 Low H face

from which:

A Spruce 34 in diam bears N 52° E 15 lbs dist
marked 14 S. B. T.

A Spruce 36 in diam bears N 48° W 35 lbs
dist - marked 14 S. B. T.

44.00

44.00 Spring branch 2 1/2 lbs wide in Canon
300 ft below 14 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 8th 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 2nd and 3rd rate

Heavily timbered with pine fir
 and Lammash

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 25th 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 chs Intersect
 N Boundary of Township 185 ch
 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 ch 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° 44' E on a true line bet Sec 6 and 31

or 22° 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 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

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

Land broken and mountainous

Lot 3^a and 4th rats.

Heavily timbered with pine fir
and Lamarack

Some undergrowth of pine + fir

August 27th 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.

Descend 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 Sec 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

Esterois 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 2nd rate.

Heavily timbered with prin In
 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 9.00 Indian trails bears N.W.

27.00 27.00 Descend 800 ft to
Ravine course S.

Ascend 800 ft to.

40.00 40.00 Set a post 3 ft long 3 mi diam 24 mi
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 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

at 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 Tr 8 in diam bears N 20° E 30 lb dist
 marked T. 6, N. R. 39, E. S. 34, B. 1.

A Tr 4 in diam bears N 26° W 31 lb dist
 marked T. 6, N. R. 39, E. S. 33, B. 1.

A Tr 18 in diam bears S 36° W 160 lb dist
 marked T. 5, N. R. 39, E. S. 4, B. 1.

A Tr 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^d 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 33.34 + 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.

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

A 12' wide beam N 49° W 27' lds
 marked T. 6. N. R. 39, E. S. 34, B. 1.

A 13' wide beam N 52° E 77' lds
 marked T. 6. N. R. 39, E. S. 35, B. 1.

Land Mountain

Soil 2nd and 3^d rate.

Heavily timbered with pine
 and Larch timber

Scarcely undergrowth of Alder
 Spruce and Willow.

August 28th 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' 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 4th 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.W.S.

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 5th rate

Scattering pine and Fir timber

Thick willow brush in Ravine

August 30th 1883

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.

756

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

General Description

This Township is mountainous
Broken and rugged - The Soil
ranges from 2nd to 5th 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

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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 10th
 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^d*

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.