

31.

a Platted

Page 64  
311  
Manual

FIELD NOTES

Of the survey of the

Subdivisions

Lines of

Fractional T. 4 N.

R. 37 E.

Willamette Meridian, Oregon,

as surveyed by

Marius Buchanan

U. S. Deputy Surveyor, under his Contract No.

635

dated

April 19<sup>th</sup>, 1895

Survey commenced,

June 12<sup>th</sup>, 1895

Survey completed,

June 18<sup>th</sup>, 1895

NAMES AND DUTIES OF ASSISTANTS.

Guy D. Stryker, Chainman.

Carl S. Nicklin, Chainman.

RECEIVED AND FILED.

this 30<sup>th</sup> day of Dec, 1895, Chainman.

JOHN C. ARNOLD

U. S. Surveyor General for Oregon, Axman.

Accepted Van. Letter E, Axman. Flagman.

Dated March 8 1899

closed

June 22 1899 Van Letter E

camp  
D. 2-10-11  
Brown  
Dust  
Page 5  
+

PRELIMINARY OATHS OF ASSISTANTS.

312

We Guy D. Stryker and  
Carl S. McKlein

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

Subdivision

lines of

T. 4 N.

R. 37 E.

Willamette Meridian, Oregon.

Guy D. Stryker, Chainman.

Carl S. McKlein, Chainman.

Chainman.

Chainman.

Subscribed and sworn to before me this

twelfth

day of

June

1895

Marius Buchanan

[SEAL.]

U. S. Dept. Surveyor

We,

and

do solemnly swear that we will well and truly perform the duties of Axmen 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 Meridan, Oregon.

Axman.

Axman.

Subscribed and sworn to before me this

day of

189

[SEAL.]

# INDEX

Referring the Lines to the Pages of the Field Notes.

T. 4 North R. 37 East Will. Mer.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Rejected Corn letter C  
dated March 8. 1899*

*Block  
June 22. 1899 Commission  
Letter C.*

Meanders of \_\_\_\_\_ Pages \_\_\_\_\_ to \_\_\_\_\_

Meanders of \_\_\_\_\_ Pages \_\_\_\_\_ to \_\_\_\_\_

This 12<sup>th</sup> day of June 1895, I employ  
Guy Z. Stryker and Carl S. Nicklin  
to perform the duties of Chammers.  
There being no officer, other my-  
self authorized to administer oaths,  
<sup>available</sup> without great inconvenience, delay  
and expense, I administer to them  
the required preliminary oaths.

Marius Buchanan  
U. S. Dept. Surveyor.

## Subdivisions of Tract T. 4 N. R. 37 E.

Chs. Survey commenced June 12<sup>th</sup> 1895 with a W. & L. O. Hurley Improved Solar Compass, which is provided with opposite verniers reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Portland Or, found correct, and approved by the Surveyor General for Oregon June 18<sup>th</sup> 1895.

Preliminary to the survey of the subdivisions of this Township I run S.  $89^{\circ}52'$  E. on a blunt line bet. sec. 24 and 25; at 40.10 chs. full 5 lks. S. of  $\frac{1}{4}$  sec. cor. and 80.23 chs. full 3 lks S. of ~~sec~~ cor. to sec. 24, 25, 19 and 30. Whence I run N. on the E. Side of sec. 24, and at 39.97 chs. full 3 lks. W. of  $\frac{1}{4}$  sec. cor., and 80 chs. full 2 lks. E. of cor. to sec. 13, 24, 18 and 19: therefore the bearings are as

## Subdivisions of T. 4 N. R. 37 E.

reported by the Surveyor General, and ~~my~~ my chaining practically agrees with the Original Field notes.

Note. I fail to get observation on Polaris, by reason of unfavorable weather at night; but as my instrument has been so lately tested and approved by the Surveyor General, and there are only a few mountainous lines to run to complete the subdivision of this township I do not deem it essential to make farther delay for that purpose.

June 12<sup>th</sup> 1895

June 13<sup>th</sup>: in Long.  $908^{\circ} 08' W$   $45^{\circ}-48'$   
 At 7<sup>h</sup> - 5<sup>m</sup> a.m. l.m.t., I set off  $45^{\circ}-48'$   
 on the lat. arc;  $23^{\circ}-14'$  on the decl. arc;  
 and determine a true meridian with the solar at the Cor to secs 23, 24, 25 and 26; which is a stone 6 ins above ground; marked and witnessed as described by the Surveyor General.

Thence I run

# Subdivisions of T. 4 S. R. 37 E.

Obs. No. 01 W. bet sects. 23 and 24  
Va.

- 13.79 descending through dense brush -
- 13.79 <sup>13.79</sup> Creek 4 lbs. wide - course N.E. - over low point - 400
- 17.75 <sup>17.75</sup> Creek 15 lbs. wide - course N 20° W.
- 23.23 <sup>25.23</sup> Creek 4 lbs. wide - course N.W. ascend E. face of hill -
- 30.00 <sup>30.00</sup> summit of W. point - descend steep - N.W. face - 200
- 35.25 <sup>35.25</sup> Creek 2 lbs. wide - course N.W. - on bench - 250
- 40.00 <sup>40.00</sup> set a <sup>fir</sup> post 3 ft. long, 3 ins. square, 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face: from which a fir 13 ins. diam. bears S. 6° W. 78 lbs. dist. marked 1/4 S. B. T. and a tamarac 10 ins. diam. bears S. 56° E. 49 lbs. dist. marked 1/4 S. B. T.
- 45.00 This 1/4 S. Cor. is in a dry watercourse W. -
- 45.00 a small ravine - course W. - ascend -
- 56.00 <sup>56.00</sup> top of W. spur of hill - descend N.W. face +350
- 62.50 <sup>62.50</sup> bottom of deep gulch - opens W. - ascend 300
- 69.00 <sup>69.00</sup> top of W. spur - descend across head of gulch +350
- 76.25 <sup>76.25</sup> top of W. spur - descend +400
- 80.00 <sup>80.00</sup> on a steep N. hillside, - 100
- set a <sup>fir</sup> post 3 ft. long, 4 ins. square, 24 ins. in the ground for cor. to sects. 13, 14, 23 and 24, marked

8318

# Subdivisions of T. 4 N. R. 37 E.

Chs.

T. 4 N. S. 13 on N. E.,  
R. 37 E. S. 24 on S. E.,  
S. 23 on S. W. and  
S. 14 on N. W. faces, with 3  
notches on S and 1 on E edges;

from which  
a fir 5 ins. diam. bears S. 72° E 73  
W. dist. marked T. 4 N. R. 37 E. S. 24 B.T. <sup>574 B.T.</sup>  
and no other trees within limits.

I raise a mound of stone, 3 ft. at  
base, 2 ft. high, on W.

Pits impracticable:

Land - mountainous; 80.00 Chs.

Soil - loam and alluvial - 2<sup>nd</sup>  
and 3<sup>rd</sup> rate:

Timber - scattering timber of pine,  
fir, spruce and tamarac - 80 Chs.

Dense undergrowth of Chapparal,  
willow, maple, pine, fir, spruce  
and fir. 80.00 Chs. 80.00 Chs.  
Mountainous lands - 80.00 Chs.

N. 89° 52' E on a random line  
bet. sect. 13 and 24

40 - set temporary 1/4 sec. Cor -

79.90 intersect E. Bdy. of township



# Subdivisions of T. 4 N. R. 37 E.

Chs. 7.8 lks. N. of Cor. to sec. 13, 24, 18 and 19, which is a stone and stake in mound of stone, marked and witnessed as described by the Surveyor General:

Thence I run West on true line bet sec. 13 & 24 Va 19° 10' E.

32.11 descend a west point - no timber a pine 32 ins. diam. - on line - marked with notches on E. and W. sides.

33.00 enter heavy timber

38.33 creek 1/2 lks. wide - course NW - ascend - 800 gradually

39.95 set a <sup>fir</sup> post 3 ft. long, 3 ins. square, 24 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. on N. face,

from which a lamarck 12 ins. diam. bears S 42° W. 3 lks. dist. marked 1/4 S. B.T. and a White fir 8 ins. diam. bears N 50° W. 24 lks. dist. marked 1/4 S. B.T. :-

41.30 foot of hill - ascend steep - N.E. face top of low N. point - descend -

42.20 Creek 2 lks. wide - course N 20° E - ascend mountain.

# Subdivisions of T. 4 N. R. 37 E.

- 57.00 Chs. leave timber - low brush
- 60.25 summit of spur of mountain - course 1000
- 79.90 No. descend steep W. face the cor. to secs. 13, 14, 23 and 24.

Land - mountainous 79.90 Chs.;  
 Soil - gravelly, sandy or alluvial - 2<sup>nd</sup> to 4<sup>th</sup> rate;  
 Timber - heavily timbered with pine, fir, spruce and tamarac  
 28 Chs. no timber 57.90 Chs.;  
 Mountainous lands - 79.90 Chs.

---

N. 0°-01' W. bet. secs. 13 and 14  
 Va. 19° E.

- 2.00 descend steep N. face - bottom of gulch - open W. - ascend steep S. face - 150
- 25.00 top of a No spur - descend very steep N. face - 1000
- 39.90 foot of hill - course No. and Se. - 1200
- 40.00 set a post 3 ft. long, 3 ins. square, 24 ins. in ground for 1/4 sec. cor. marked 1/4 S. on W. face; from which a first indiam. bears N. 1 1/2 W. 52 lbs. dist. marked 1/4 S. B. T. and

# Subdivisions of T. 4 N. R. 37 E

Chs. on alder 6 ins. diam. bears N. 20° E 37  
 lbs. dist. marked 1/4 S. B. P.  
 40.50  
 40.50 Creek 50 lbs. wide - Course Nw. - ascend  
 Sw. face -  
 59.00  
 59.00 summit of a W. point - descend very steep, rocky N. face 7600  
 65.20  
 65.20 foot of hill - course E. and W. - 800  
 66.75  
 66.75 S. Wallutulla River 90 lbs. wide -  
 course Sw. -  
 70.25  
 70.25 foot of hill - course E & W. ascend  
 steep S. face  
 80.00  
 80.00 set a <sup>basalt</sup> stone 20 x 12 x 8 ins., 14 ins. in  
 the ground for Cor. to sec. 11, 12, 13  
 and 14; marked with 4 notches  
 on S. and 1 on E. edges; from which  
 a point of rock 10 ft. high bears S. 35° E.  
 64 lbs. dist. marked  $\frac{W}{X}$  and  
 a point of rock 6 ft. high bears S. 30° W.  
 80 lbs. dist. marked  $\frac{W}{X}$ ; and raised  
 a mound of stone, 2 ft. base, 1 1/2 ft.  
 high, W. of cor.

Land - mountainous - 80 Chs.  
 Soil - loam and alluvial - good to  
 4<sup>th</sup> rate:  
 Timbered with pine, fir, alder,  
 spruce, tamarac, cherry and maple  
 on streams. Mountainous lands - 80,000 Chs.  
 June 7<sup>th</sup> 1895

12

# Subdivisions of T. 4 N. R. 37 E.

Obs. June 14<sup>th</sup> 1895: at 7<sup>h</sup>-15<sup>m</sup> a.m. l. mt. I set off 45°-50' on the lat. arc; 23°-17' on the decl. arc; and determine a true meridian with the solar at the cor. to secs. 13, 14, 11 and 12:

Thence I run East on a random line bet. secs 12 and 13 -

Pa. 19°-10' E.

40 - set a temporary 1/4 sec. Cor. -  
79.84 intersect the E. Bdy. of Township 17 lks. S. of Cor. to secs. 12, 13, 7 and 18 which is a stone 16 x 10 x 4 ins. in a mound of stone; from which a pine 18 ins. diam. bears N. 33° E. 135 lks. dist. marked T. 4 N. R. 38 E. S. 7 B. T. No other trees.

Thence I run S. 89°-53' W. on true line bet. secs. 12 and 13

descend steep, rocky W. face -

8.50 bottom of rocky gulch - course N. -300

10.50 summit of N. spur - descend steep +400  
N.W. face

21.50 bottom of ravine and brook -400 -400  
course N.W. ascend steep, rocky N.E. face.

# Subdivisions of T. 4 N. R. 37 E.

- Chs.  
38.50 top of ridge. course N. and S. - + 500  
38.50 descended steep, rocky W. face-
- 39.52 set a <sup>basalt</sup> stone 18 x 20 x 18 ins. in a - 100  
39.92 mound of stone, on rock, <sup>for sec cov</sup> marked  
1/4 on N. face, and raised a  
mound of stone 2 1/2 ft. base and  
1 1/2 ft. high, on N. Pits in-  
practicable.
- 47.25 over a N. point of rock -  
57.13 S Walla Walla River 80 lbs. wide - 800  
course SW. in deep rocky canon.
- 79.84 ascend rock bluff and SW. face.
- 79.84 the cov. to sects. 11, 12, 13 and 14. + 900

Land - Rocky mountains - 79.84 Chs.  
Soil - sand and gravel:  
Timber - only a little brush among  
the <sup>mountainous</sup> ~~rocky~~ lands - 79.84 Chs.

N. 0° 01' W. on a random line bet.  
40.00 sect. 11 and 12 -  
40 - set temporary 1/4 sec. cov., -  
80.20 intersect the E. and W. line 46  
lbs. E. of Cov. to sect. 1, 2, 11 and 12,  
which is a post, 2 ft. above ground,  
4 ins. square, marked and witnessed

## Subdivisions of T. 4 N. R. 37 E

Chs. as described by the Surveyor General:

Thence I run  
S. 0°-21' E. on true line bet secs.  
11 and 12

Va. 20.30° E.

descend through scattering timber.

1850 leave timber - course N. and Sw

40.20 set a <sup>basalt</sup> stone 17 x 12 x 9 ins. 12 ins. <sup>-500</sup> -500

in the ground for 1/4 sec. cor.

marked 1/4 on W. edge and

raise mound of stone, 2 1/2 ft.

at base, 1 1/2 ft. high, on W.

Pits impracticable

56.95

bottom of ravine - course Se. ascend <sup>-700</sup> -700

71.36

top of rock ridge - course Se. descend

80.20

the cor. to secs. 11, 12, 13 and 14.

Land - mountainous - 80.20:

Soil - sandy and gravelly

loam - 4<sup>th</sup> rate:

Timber - scattering pine - 1850 chs.

Mountainous lands - 80.20 chs. June 14<sup>th</sup> 1895.

# Subdivisions of T. 4. N. R. 37 E.

Chs. I now <sup>go</sup> to where the Cor. to sec. 14, 15, 22 and 23 should <sup>be</sup>, but after very diligent and exhaustive search, I fail to find any trace of cor. or line; therefore I go S. to 1/4 sec. cor. bet sec. 22 and 23; which is a post 2 ft. above ground, 3 ins. square; marked and witnessed as described by the Surveyor General:

~~North~~ Thence I run N. 0° 20' W. bet. sec. 22 and 23:

Pa. 19°-10' E

descend: gradually through dense young growth of timber:-

3.50

3.50

descend steep

22.00

22.00

spring brook - course N. - ascend on E. face -

22.50

22.50

Leave timber - course N. and Sw. - along E. hillside

40.00

40.00

still not finding a former corner: set <sup>up</sup> a post 3 ft. long, 4 ins square, 24 ins. in the ground for Cor. to sec. 14, 15, 22 and 23, marked T. 4 N. S. 14 on N. E.,

## Subdivisions of T. 4 N. R. 37 E

Chs. R. 37 E. S. 23 on S. E.,  
 S. 22 on S. W. and  
 S. 15 on N. W. faces, with 3 notches  
 on S. and 2 on E. edges; from which  
 a pine 20 ins. diam. bears S. 42° E. 296  
 chs. dist. marked T. 4 N. R. 37 E. S. 14 B. T.,  
 a pine 50 ins. diam. bears S. 16° E. 74 chs.  
 dist. marked T. 4 N. R. 37 E. S. 23 B. T. and  
 a pine 10 ins. diam. bears S. 84° W. 94 chs.  
 dist. marked T. 4 N. R. 37 E. S. 22 B. T.  
 No tree within limits in sec. 15.

Land - mountainous - 40 chs.:

Soil - sandy loam - 3<sup>rd</sup> rate:

Timber - heavily timbered with young  
 growthed fir, pine, and tamarac - 22.50

Chs. - no timber - 175-0 chs.

mountainous lands - 40 chs.

June 17<sup>th</sup>: at 9<sup>h</sup>-10<sup>m</sup> a.m. l. mt., I set off  
 45°-49' on the lat. arc; 23°-23' N. on the decl.  
 arc; and determine a true meridian  
 with the solar at cor. to secs. 14, 15, 22 and  
 23; thence I run  
 S. 89°-44' E. on a random line bet.  
 secs. 14 and 23

Var. 19°-15' E.

40 - set temporary 1/4 sec. cor. -



# Subdivisions of T. 4 N. R. 37 E.

80.27<sup>80.27</sup> intersect N. and S. line 26 S. of cor. to secs. 13, 14, 23 and 24 - ~~described on page 7:~~

thence I run N. 89° 55' W. on true line line bet. sec. 14 and 23

along N. side of spur - no timber - low brush -

4.50 top - descend steep S.W. face -  
17.03<sup>17.03</sup> Creek 40 lbs. wide - course N. - ascend - 600  
steep E. face

40.13<sup>40.13</sup> a point of rock in place, projects 18 ins  
12 ins. thick for 1/4 sec. cor. I <sup>+800</sup>  
Cut across (x) at exact corner point for 1/4 sec. cor.  
marked 14 S. on N. face; from which  
a point of rock 4 ft. high bears N. 8° E 29  
lbs. dist. marked 1/4 S. B. T. and  
a point of rock 3 ft. high bears S. 5° E. 40  
lbs. dist. marked 1/4 S. B. T. -

53.00 This cor. is on a rocky cliff -

53.00 summit of ridge - course N. and S. - <sup>+600</sup>

70.06 descend W. face - enter young timber

70.06<sup>70.06</sup> creek 3 lbs. wide - course N. - ascend - <sup>-1200</sup>

80.27<sup>80.27</sup> the cor. to secs. 14, 15, 22 and 23. <sup>Leave timber</sup>

land - mountainous - 80.27 lbs.

soil - gravelly loam - 3<sup>rd</sup> rate:

Timber - a few scattering pine here

# Subdivisions of T. 4 N. R. 37 E.

Chs. and there - dense young timber -  
 17.06 Chs. Mountainous lands - 80.27 Chs.

---

N. 0° - 02' W. bet. secs. 14 and 15 -  
 along E. face of hill.

5.00 top of hill - descend on N.W. face <sup>+100</sup> +100  
 15.50 bottom of ravine - along it -500 -500  
 19.50 ascend S.E. slope  
 38.00 Summit of N. spur - descend <sup>+600</sup> +600  
 40.00 set a <sup>fir</sup> post 3 ft. long, 3 ins. square,  
 in a mound of stone - rocky land -  
 for 1/4 sec. cor. marked 1/4 S on  
 W. face

from which  
 a pine 4 ins. diam. bears N. 30 1/2° E. 108  
 lbs. dist. marked 1/4 S. B.T.:

Pits and mounds impracticable.  
 No other tree within vicinity.

71.00 S. Walla Walla River 60 lbs. wide - <sup>-1600</sup> -1600  
 course N. 60° W. - ascend S.W. face -  
 80.00 set a <sup>basalt</sup> stone 18 x 10 x 8 ins. 12 ins. in the <sup>+800</sup> +800  
 ground for cor. to secs. 10, 11, 14 and  
 15 marked with 4 notches on S.  
 and 2 on E. edges; from which  
 a point of rock 16 ft. high bears N. 67° E.  
 17 lbs. dist. marked 1/4 S. B.T.,  
 a point of rock 8 ft. high bears S. 34° E.  
 13 lbs. dist. marked 1/4 S. B.T.,  
 x

# Subdivisions of T. 4 N. R. 37 E

Chs a fir 24 ins. diam. bears S. 35 $\frac{1}{2}$  W 176 lks  
 Dist. marked T. 4 N. R. 37 E S. 15 B. T. and  
 a pine 20 ins. diam. bears N. 56 $\frac{1}{2}$  W 337 lks.  
 dist. marked T. 4 N. R. 37 E S. 15 B. T.

Land - mountainous - 80 Chs.  
 Soil - gravelly and sandy loam -  
 3<sup>rd</sup> and 4<sup>th</sup> rate.

Timber - a few scattering trees  
 of pine and fir.

Mountainous lands - 80.00 Chs.

---

S. 89 $^{\circ}$ -55' E on a random line bet.  
 sec. 11 and 14 -

Pa. 18 $\frac{1}{2}$  E.

40.00  
 40 - set temporary  $\frac{1}{4}$  sec. cor. -  
 80 42<sup>8042</sup> intersect N. and S. line 20 lks. S. of  
 cor. to sec. 11, 12, 13 and 14 - described  
 on page 11:

Thence I run  
 S. 89 $^{\circ}$ -56' W. on true line bet- sec.  
 11 and 14 -

ascend steep S. Se. face  
 21 - 21.00 Summit of Se. point - on S face - +600  
 29.50 29.50 summit of hill - descend S. face - +300

40 21 set a <sup>basalt</sup> stone 18 x 10 x 4 ins. 12 ins. in  
 40.21 the ground for  $\frac{1}{4}$  S. cor. marked  $\frac{1}{4}$

# Subdivisions of T. 4 N. R. 37 E

- Chs S. on N. face, and raised a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor.
- Pits impracticable.
- 57.70 Creek 5-6 m. wide - course S. - in canon - <sup>-100</sup> 1000 ascend S. face
- 63.50 top of S. spur - descend S.W. face <sup>+400</sup> +400
- 80.42 the Cor. to secs. 10, 11, 14 and 15 - <sup>-300</sup> -300

Sand - mountainous - 80.42 Chs.  
 Soil - rocky and gravelly  
 low - 4<sup>th</sup> rate.

No timber except a few trees on creek.

Mountainous lands - 80.43 Chs.

June 17<sup>th</sup> 1895.

N. 0° 02' W. on a random line bet. secs. 10 and 11

Var. 18° 30' E.

40 - set temporary ¼ sec. cor. -

80.47 intersect E. and W. line 40 lbs. E. of Cor. to secs. 2, 3, 10 and 11, which is a post 2 ft. high, 4 ins. square, in a mound of stone, marked as described by the surveyor General.

## Subdivisions of T. 4 S. R. 37 E.

- Chs. Thence I run  
S. 0°-19' E. on true line bet. secs.  
10 and 11
- 9.50 descend S. face  
7.50 Creek 3 lbs. wide - course S.W. - -250
- 14.50 ascend on N.W. face  
14.50 top of W. point - descend across +300  
lower ground -
- 30.50 top of W. point of rock cliffs - +100  
40.47 descend over cliffs
- 40.47 set a <sup>bucket</sup> stone 18x10x6 ins. 12 ins. in  
the ground for  $\frac{1}{4}$  sec. cor.; marked  
 $\frac{1}{4}$  on N.E. face; and raised a  
mound of stone, 2 ft. at base, 1  $\frac{1}{2}$   
ft. high, on W. of cor.:
- Pits impracticable.
- 56.50 descend a rock cliff 50 ft. high -  
80.47 the Cor. to secs. 10, 11, 14 and 15
- Land mountainous - 80.47 Chs.  
Soil - gravelly loam - 4<sup>th</sup> rate:  
Timber - ~~mountainous~~ <sup>waste lands</sup> - 80.47 Chs
- 
- S. 89°-46' W. on a random line  
bet. <sup>secs</sup> 10 and 15
- 40.00 Va. 18°-30' E. -  
40 - set temporary  $\frac{1}{4}$  sec. Cor. -

# Subdivisions of T. 4 N. R. 37 E.

80 00 Temporary post; ~~to~~ make, and course to be made, most diligent search for the Cor. to secs. 9, 10, 15 and 16, but find no trace of it: therefore I go to the 1/4 sec. cor. to secs. 15 and 16; which is a stone 8 ins. above ground, 10 ins. square, marked and witnessed as described by the Surveyor General:

thence I run North bet. secs. 15 and 16 - descend on spur -

7.00 descend on N.W. face:-

20.00 Spring brook - course N.W. - descend <sup>-200</sup> 200 ascend on S.E. face

34.00 summit of ridge - course N.E. and S.W. <sup>-75</sup> 75 descend on N.W. face -

40.00 set <sup>baseline</sup> as stone 18x12x7 ins., 12 ins. <sup>-100</sup> 100

the ground for cor. to secs. 9, 10, 15 and 16, marked 4 notches on S. and 3 on E. edges:

from which a fir 7 ins. diam. bears N. 3 1/2° E. 60

lks. dist. marked T. 4 N. R. 37 E. S. 10 B. T.,

a fir 20 ins. diam. bears S. 59° E. 162 lks.

dist. marked T. 4 N. R. 37 E. S. 15 B. T.,

a fir 12 ins. diam. bears S. 71° W. 118 lks.

dist. marked T. 4 N. R. 37 E. S. 16 B. T. and

# Subdivisions of T. 4 N. R. 37 E.

Chs. a lamarae 18 in. diam. bears N. 34° W. 245  
lks. dist. marked T. 4 N. R. 37 E. S. 9 B. T.

Note. I now find some remains  
of the old witness trees, which prac-  
tically agree with my cov.

I now return to temporary post  
on random line bet. sec. 10 and 15

80.33 S. 89°-46' W. bet. sec. 10 and 15 33 lks.  
intersect N. and S. line 12 lks S. of  
cov. to sec. 9, 10, 15 and 16:

thence I run  
N. 89°-51' E. on true line bet sec.  
10 and 15 -

N. 18°-45' E. -

3.00 ascend NW face - no timber - dense brush  
3.00 summit of ridge - course N 25° E. +30

7.00 Descend E. face - leave brush -  
7.00 enter dense undergrowth -  
8.50 creek 3 lks. wide - course NW. ascend -400

23.25 NW. face.

23.25 summit of rocky point - course N. - +600

40.16 1/2 descend steep - leave ~~brush~~ brush -

40.16 1/2 set a <sup>basalt</sup> stone 16 x 12 x 8 ins. 11 ins. in  
the ground for 1/4 sec. cov., marked

# Subdivisions of T. 4 N. R. 37 E.

- Chs. 1/4 on N. face, and raised a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of Cor. -
- 64.13 Creek 4 Mts. wide - course N.E. - ascend <sup>-700</sup> -700 over rock point - enter young timber
- 64.16 S. Walla Walla River - enter and pass along in S. edge of it:
- 68.00 leave S. edge of river on S. side of river
- 71.90 River 100 Mts. wide - course N.W. -
- 76.00 foot of hill - ascend S.W. face - steep -
- 80.33 the cor. to secs 9, 10, 15 and 16.

Land - mountainous - 80.33 Chs.:  
 Soil - gravelly loam and alluvial  
 4<sup>th</sup> rate.

Timber - Young timber of fir, pine, spruce and tamarac along the streams:

Undergrowth of small brush along streams.

Mountainous lands 80.33 Chs.  
 June 18<sup>th</sup> 1895

---

Latitude taken daily weather permitting



# Subdivisions of T. 4 N. R. 37 E.

## General Description

This township is mountainous. The land consists of steep, rocky mountain sides and very narrow valley along South Walla Walla River. The township is well watered by springs and streams.

There is valuable young timber on sec. 23 and 24, and on the southern part of sec. 13, 14 and 15; but it is being rapidly destroyed by wood choppers and rail splitters. There are two settlers on sec. 10 and one on sec. 14.

M. Buchanan  
U. S. Dept. Surveyor

## Settlers and Claims

John Davidson claims S.W.<sup>4</sup>, N.W.<sup>4</sup>,  
sec. 10:

Clyde Whitney N.W.<sup>4</sup>, N.W.<sup>4</sup>, N.E.<sup>4</sup>, N.E.<sup>4</sup>,  
sec. 15 and S.E.<sup>4</sup>, S.E.<sup>4</sup> sec. 10:

David Rea S.E.<sup>4</sup>, N.W.<sup>4</sup>, and S.W.<sup>4</sup>, N.E.<sup>4</sup>  
sec. 14

June the 18<sup>th</sup>; There being no  
officer, other than myself,  
authorized to administer an  
oath available without great  
inconvenience, delay and  
expense, I administer the re-  
quired final oath.

M. Buchanan  
U. S. Dept. Surveyor.

Subdivisions of T. 4 N. R. 37 E

340

### FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by Marius  
Buchanan, 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 Subdivisionary  
R. 37 E. lines of T. 4 N.  
 Willamette Meridian, Oregon,  
 showing the respective capacities in which they acted:

- Carl S. Nicklin, Compassman.
- Carl S. Nicklin, Chainman.
- Guy D. Stryker, Chainman.
- Guy D. Stryker, Chainman.
- Guy D. Stryker, Chainman.
- Guy D. Stryker, Axeman.
- Guy D. Stryker, Axeman.
- Guy D. Stryker, Flagman.

### FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted Marius Buchanan  
Marius Buchanan, U. S. Deputy Surveyor, in surveying all  
 those parts or portions of the Subdivisionary  
lines of T. 4 N.  
R. 37 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:

- Carl S. Nicklin, Compassman.
- Carl S. Nicklin, Chainman.
- Guy D. Stryker, Chainman.
- Guy D. Stryker, Chainman.
- Guy D. Stryker, Chainman.
- Guy D. Stryker, Axeman.
- Guy D. Stryker, Axeman.
- James Adams, Flagman.

Subscribed and sworn to before me, this eighteenth day  
 of June, 1895



Marius Buchanan  
U. S. Dept. Surveyor

FINAL OATH OF DEPUTY SURVEYOR.

I, Marius Buchanan, United States  
 Deputy Surveyor, do solemnly swear that in pursuance of instructions  
 received from John C. Arnold, U. S.  
 Surveyor General for Oregon, bearing date of the eighth  
 day of May, 1895, 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, surveying all  
 those parts or portions of Subdivisions of  
T. 4 N. of R. 37 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 direc-  
 tions; and I do further solemnly swear that all the corners of said survey  
 have been established and perpetuated in strict accordance with the Survey-  
 ing 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 per-  
 jury under the provisions of an act of Congress approved August 8, 1846.

Marius Buchanan  
 U. S. Deputy Surveyor.

Subscribed and sworn to before me this twenty eighth  
 day of December, 1895

John C. Arnold  
 U. S. Surveyor General,  
 for Oregon.

342

Revised from Letter E.

Dated March 8. 1899

closed

June 22. 1899 from  
Letter E

Office of U. S. Surveyor General,

Portland, Oregon,

November 28, 1896

foregoing

The following Field Notes of the Survey of the

Subdivisional lines of

Township 4 North Range

37 East Will Mer Oregon

executed by

Marius Buchanan

U S Deputy Surveyor

under his

Contract No. 635

, dated

April

19th

, 1895

, having been critically examined,

the necessary corrections and explanations made, the said Field

Notes and the survey they describe, are hereby approved.

Robert A. Habershaw

Surveyor General.

