

FIELD NOTES

99

Of the survey of the Exterior

Lines of T. 3 S. R. 35 E., T. 2 S. R. 35 E., T. 1 S. R. 35 E.

T. 1 S. R. 34 E., T. 1 S. R. 37 E., T. 1 N. R. 38 E., Willamette Meridian,

Oregon, as surveyed by Jacob C

Cooper, U. S. Deputy Surveyor,

under his Contract No. 397, dated

July 1, 1881

Survey commenced, Aug 22 1881

Survey completed, Sept 27 1881

NAMES AND DUTIES OF ASSISTANTS.

....., Compassman.

W J Slater....., Chainman.

Jeff D Henton....., Chainman.

R. D. Cooper....., Chainman.

Chas W Ladd....., Chainman.

C D Goodrough....., Axeman.

R. M. Morgan....., Axeman.

....., Flagman.

100

PRELIMINARY OATHS OF ASSISTANTS:

We, Riley D. Cooper and
Charles W. Ladd

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

lines of T. 1. S. R. 37. E. and

T. 1. N. R. 37. T. 38. E. Willamette Meridian, Oregon.

R. D. Cooper, Chainman.

Charles W. Ladd, Chainman.

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me, this seventh

day of September 1881.

[SEAL.]

Jacob C. Cooper
U.S. Dep Surveyor

We, Chas D. Goodnough and
Rufus M. Morgan

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 lines of T. 1. S. R. 37. E.

and T. 1. N. R. 37. T. 38. E. Willamette Meridian Oregon.

Chas D Goodnough, Axeman.

Rufus Morgan, Axeman.

Subscribed and sworn to before me, this seventh

day of September 1881.

[SEAL.]

Jacob C. Cooper
U.S. Deputy Surveyor

STATE OF OREGON,

County of Union.

ss.

101

We Jeff D Fenton & W. P. Slater
R. M. Morgan, & C. D. Goodnough
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
the instructions given us in the Survey of Exterior
lines of Townships 1, 2 ^{and} 3 South Range 35 East
of Townships 1 South Ranges 36 ^{and} 37 East
of Townships 1 North Ranges 37 ^{and} 38 East
Willamette Meridian Oregon

Jeff D Fenton

Chairman

W. P. Slater

Chairman

R. M. Morgan

Chairman

C. D. Goodnough

Chairman

102

Subscribed and sworn to before me
this 16th day of July 1881

Geo. W. King
Notary Public
for Oregon

We R. M. Morgan & C. D. Goodnough

do solemnly swear that we will well and truly perform the duties of assessors 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 Exterior lines of Townships East 3 South Range 35 East, of Townships & South Ranges 36th & 37 East of Township & North Ranges 36th & 37 East Willamette Meridian Oregon

R M Morgan
C D Goodnough

Assessor
Assessor

Subscribed and sworn to before me
this 16 day of July 1881

Geo. M. King

Notary Public for Oregon.

1890

60

Exteriors

of T. 2 S

R. 35 E

Willamette Meridian, Oregon.

for agricultural purposes
Grass is good and abundant
Water is scarce

Aug. 25. 1881.

From the cor. to Tps. 1 and 2 S.
R. 35 and 36 E which is a post
marked,

T 1 S. S 31. on N E

R. 36 E. S 6 on S E

T 2 S. S 1 on S W and

R. 35 E S 36 on N W faces from which
A fir 12 ins diam bears

N 64° W 24 lbs dist marked.

T 1 S. R. 35 E S 36 B T

A pine 7 ins diam bears

S 17° W 21 lbs dist marked

T 2 S. R. 35 E. S 1 B T

A pine 7 ins diam bears,

N 23° E 35 lbs dist marked

T 1 S. R. 36 E. S 31 B T

67

171

Exteriors of T 1 S R. 35 E
 Willamette Meridian, Oregon.

Chains

A pine 10 ins diam bears
 S 65° E 14 lbs dist marked
 T 1 S, R. 36 E, S 6, B. T.

Iron

W. on a true line bet sec 1 and 36
 Va 22° E

18.00

Ascend through dense timber
 Summit of ridge course N. W.
 Leave timber and descend.

20.50

Old Emigrant road course N. W.

21.00

Enter timber with dense
 underbrush and fallen timber

40.00

Set post 3 1/2 ft long 3 ins square
 18 ins in the ground for 1/4 sec.
 cor. marked 1/4 S on N. and S.
 faces - in a marshy bog from which
 A fir 16 ins diam bears

N 48° W 58 lbs dist marked 1/4 S, B. T.

A Spruce 15 ins diam bears,

S 75° E 40 lbs dist marked 1/4 S, B. T.

Va 13° 40' E.

182
Extension

72

of T. 1 S

R. 36 E

Willamette Meridian, Oregon.

Chains

From the cor to Tpe 1 and 2 S
R 35 and 36 E which is a post
marked

T 1 S S 31 on N.E.

R 36 E S 6 on S.E.

T 2 S S 1 on S.W. and

R 35 E S 36 on N.W. faces from which
A pine 12 ins diam bears

N 64° W 24 lks dist marked

T 1 S R 35 E S 36 B.T.

A pine 7 ins diam bears

S 17° W 21 lks dist marked

T 2 S R 35 E S 1 B.T.

A pine 7 ins diam bears.

N 23° E 35 lks dist marked

T 1 S R 36 E S 31 B.T.

A pine 10 ins diam bears

S 65° E 14 lks. dist marked

T 1 S R 36 E S 6 B.T.

2 run.

Exterior of T 1 S. R. 36 E 183

Willamette Meridian, Oregon.

Chains

No. bet sec. 31 and 36

No 22° E.

Descend through dense timber and undergrowth

34.00

Spring branch 3 lks wide course N.E. Ascend.

36.50

Center of Foster's toll road course N.E.

37.00

Descend through dense timber

40.00

Set post 3 1/2 ft long 3 in square 18 ins in the ground in fir timber and undergrowth for 1/4 sec. cor. marked 1/4 S on E and W faces

A fir 12 ins diam bears

S 54° W 7 lks dist marked 1/4 S. B. T.

A fir 13 ins diam bears

N 14° E 7 lks dist marked 1/4 S B. T.

Descend through heavy pine timber

45.00

Ascend in dense thicket of young timber.

184

Exteriore

74

of T.

1 S.

R.

36 E

Willamette Meridian, Oregon.

Chain

57.50

Leave thicket and enter open
timber

75.00

Summit of mountain ridge ^{course E. & W.}
Descend through heavy timber
and undergrowth very dense

80.00

Set post 4 ft long 4 in square
4 ft in the ground in heavy
timber for corners 25, 30, 31 and 36
marked

T 1 S. S 30 on N. E.

R 36, S 31 on S. E.

R 35 E S 36 on S. W. and

S 25 on the N. W. face with
1 notch on the S and 5 notches
on the N. edge, from which

A fir 24 in diam bears

S 10° W 26 lbs dist marked

T 1 S R 35 E S 36 B. T.

A tamarack 12 in diam bears

S 63° E. 23 lbs dist marked

75-

Exteriors

of T 1 S

R. 36 E

185

Willamette Meridian, Oregon.

Chains

T 1 S. R. 36 E, S 31 B.T.

A tamarack 4 ins diam bears

N. 22° E 27 lbs dist marked

T 1 S R. 36 E S 30 B.T.

A fir 2 1/2 ins diam bears

N. 54° W 20 lbs dist marked

T 1 S. R. 35 E S 25 B.T.

Land high rolling and mountainous.

Soil gravelly 2nd rate

Timber fir pine and tamarack.

No. bet pics 25 and 30

Va 20° E.

Descend through dense timber

750

Old road, course S.E. and N.W.

2760

Revised course N. 10° E.

4000

Set post 3 1/2 ft long 3 ins. square
18 ins in the ground on hillside
sloping N. in dense timber

186

76

Exterior

of T. 18

R.

36 E.

Willamette Meridian, Oregon.

Chain for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S on
the E. and W faces.

A fir 12 ins diam bears

N 47° W, 28 lbs, dist. marked $\frac{1}{4}$ S. B. S.

A pine 5 ins diam bears

N 85° E, 29 lbs dist marked $\frac{1}{4}$ S. B. S.

Descend through heavy timber

45.00

Bottom of canyon. ^{course S.E.} Ascend.

63.50

Bluff of rocks

65.00

Enter thicket

72.50

Top of hill

80.00

Set post 4 ft long 4 ins square

24 ins in the ground on the N.

slope of hill 100 ft below the

summit in heavy timber for

cor to secs. 19, 24, 25, and 30

marked

T 1 S. S 19 on N.E.

N 36 E S 30 on S.E.

N 35 E S 25 on S.W. and

S 24 on the N.W. faces with

Chain

2 notches on the S and 4 notches on the N edges from which

A fir 18 ins diam bears

S 71° W. 23 lbs dist marked.

T 1 S R 35 E S 25 B.T.

A tamarack 16 ins diam bears

S 49° E 25 lbs dist marked

T 1 S R 36 E S 30 B.T.

A tamarack 14 ins diam bears

N 47° E 25 lbs dist marked.

T 1 S. R 36 E S 19 B.T.

A fir 16 ins diam bears

N 58° W 15 lbs dist marked

T 1 S. R 35 E S 24 B.T.

Land high mountainous and broken

Soil rocky 4th rate

Lumber fir pine, and

tamarack.

488
Exposures

78

of T. 18

R. 36 E

Willamette Meridian, Oregon.

Chain

N bet. secs 19 and 24.

Va 20° E

5.00

Descend through heavy timber

Head of ravine course N. E.

34.00

Bottom of hollow. Ascend.

40.00

Set post 4ft long 4 in square

8 in in the ground on E. slope

in dense timber and under-

brush for ¼ sec cor marked

¼ S on the E. W. face from which

A fir 10 in diam bears

N 53° E 9 lbs dist marked

¼ S B.T.

A tamarack 10 in diam bears

N 85° W 22 lbs dist marked ¼ S B.T.

Va 21° 15' E

Descend through dense timber

and underbrush.

67.75

Bottom of ravine course N. E.

68.75

Bed of dry creek. Course S. E.

Ascend through scattering timber.

79

Courses

of T 1 S

R. 36 E 189

Willamette Meridian, Oregon.

Chains

80.00

Set post (and stone 24x48x34)
4ft long 4 ins square 24 ins
in the ground on steep hill-
side sloping west 250ft
above the bottom of ravine
and 40ft below the summit
for cor to sec 13, 18, 19 and 24
post marked.

T 1 S S 18 on N.E.

R. 36 E S 19 on S.E.

R. 35 E S 24 on S.W. and

S 13 on N.W. face with

3 notches on the N. and S.

edges.

A pine 14 ins diam base

S 89° W 162 lbs dist marked

T 1 S R. 35 E S 24 B.S.

Land mountainous and broken

Soil gravelly 4th rate.

Timber pine and fir.

190
Expenses

80

of T.

R.

36 E

Willamette Meridian, Oregon.

Chains

No. bet. pccs 13 and 18

Pa 20° E

Ascend

9.50

A point of rock

20.00

Summit of hill course N.W.
and S.W.

Descend through dense timber
and windfall

40.00

Set post 3 1/2 ft long 3 ins square
18 ins in the ground on hill side
sloping E. in dense timber and
underbrush for 1/4 pcc cor marked
1/4 S on the E and W faces.

A Spruce 11 ins diam bears

S 65° E, 8 lks dist, marked 1/4 S. B. J.

A tamarack 10 ins diam bears

S 38° W, 24 lks dist - marked 1/4 S. B. J.

Pa 18° 15' E

Ascend through thicket of
young timber.

44.00

Leave thicket and descend

81

Exterior of T 1 S R. 36 E 191

Willamette Meridian, Oregon.

Chains
80.00

through heavy timber
A fir tree 13 ins diam which
I marked for cor. to secs 7, 12,
13 and 18

T 1 S. S 7 on N.E.

R. 36 E. S 18 on S.E.

R. 35 E S 13 on S.W. and

S 12 on the N.W. face with
4 notches on the S and 2

notches on the N. edges from which

A fir 11 ins diam bears

S 10° W. 17 lks dist marked

T 1 S R. 35 E S 13 B.T.

A fir 10 ins diam bears

S 83° E 14 lks dist marked

T 1 S. R. 36 E. S 18, B.T.

A fir 10 ins diam bears

N 13° E. 17 lks dist marked

T 1 S. R. 36 E. S 7 B.T. no other tree in
limits or made mound of stone along side.

Land high broken, and mount-
ainous

1992

72

Exp. 1992

of T.

18

R.

36 E

Willamette Meridian, Oregon.

Chain

Soil rocky 3rd rate.

Lumber pine fir and tamarack.

Aug 30 1881.

No bet. sec 7 and 12.

Va 20° E

Descend.

19.00

Canyon course N. W. Ascend.

40.00

Apine 6 ins diam which I
marked for $\frac{1}{4}$ sec. cor. on steep
W. hillside 300 ft above ravine
and 200 ft below the summit
 $\frac{1}{4}$ S on the E and W face from which
A fir 12 ins diam bears

S 81° W 20 lbs dist marked $\frac{1}{4}$ S. B.S.

Apine 12 ins diam bears

N 81° E 20 lbs dist marked $\frac{1}{4}$ S. B.S.

Descend.

51.00

Bottom of canyon course N. E.

Ascend.

58.00

Canyon course E.

Extension of T 18 R. 36 E 193

Willamette Meridian, Oregon.

Chain Ascend,

70.00 Enter timber.

75.00 A mound of earth 5 ft at base
2 ft high ^{with pits}, set post 4 1/2 ft long
4 in square 2 ft in ground
on tableland sloping W. in
open pine timber for cor. to piece
1. 6. 7. and 12. marked.

T 18 S 6 on N E

R 36 E S 7 on S E

R 35 E S 12 on S W and

S 1 on the N W face with
5 notches on the S and 1 notch
on the N edges from which

A pine 30 ins diam bears,

N 3° E 76 lbs dist marked

T 18 R 36 E S 6 B.S.

A pine 22 ins diam bears

N 62° W 72 lbs dist marked

T 18 R 35 E S 1 B.S.

A pine 20 ins diam bears.

194

84

Excursion

of T. 18

R. 36E

Willamette Meridian, Oregon.

Chain

S. 70° W. 92 lks. dist marked

T. 18. R. 35E. S. 12. B. T.

Land high, mountainous
and broken

Soil gravelly and rocky
3rd rate.

Timber pine fir and tamarack

W. bet sec. 1 and 6

Pa 20° E

Descend in open pine timber

4.00

Enter young pine timber

24.00

Bottom of canyon course E.
Ascend

40.00

Set post 3 1/2 ft long 3 ins square
15 ins in the ground on the W.
of the head of ravine 200 ft below
summit in pine and fir
timber for 1/4 sec. cor. marked
4 S on the E and W face. from which
A fir 6 ins diam bears.

Exteriore

of T 18

R. 36 E

Willamette Meridian, Oregon.

- Chain S 6° E 7 lks dist marked $\frac{1}{4}$ S. B.T.
 Afir 16 in diam bears
 N 32° E 17 lks dist marked $\frac{1}{4}$ S. B.T.
 Descend.
- 46.00 Bottom of ravine course S. E.
 Ascend through young timber
 and dense underbrush.
- 73.50 Intersect the Baseline
 26.71 chs E. of cor. to Sp. 1 N. N.
 35 and 36 E.
 Set post 4 $\frac{1}{2}$ ft long 4 in square
 24 in in the ground in heavy
~~scattering~~ timber for closing
 cor. to Sp. 1 S. N. 35 and 36 E.
 marked
 C.C. S 1 S. on the S.
 N. 36 E. S 6 on the E and
 N. 35 S 1 on the W. face with
 notches on the S. E. and W. faces
 Afir 16 in diam bears. from which
 S 24 W 4 lks dist marked.

Ex 196

86

of T. 18

R. 36 E

Willamette Meridian, Oregon.

T 18 R 35 E S 1 B L

A tamarack 40 ins diam bears,
S 74° E 24 lbs dist marked

T 18 R 36 E S 6 B L

Land high mountainous
and broken.

Soil rocky 4th rate

Timber pine, fir, and tamarack

General Description.

This line runs across the breaks
and canyons of the waters on
the S. of Weachem Creek and
the summits of the ridges are
covered with a good quality
of pine fir and tamarack
timber

The sides of the mountain are
rocky and destitute of timber
Grass good

Water is scarce and very few

87

Exteriors

of T

18

R.

36E 197

Willamette Meridian, Oregon.

of the canyons on this line
contain streams of water.

FINAL OATHS FOR SURVEYS.

288

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 *Exterior*

lines of *Townships 1, 2 & 3 S. Range 35 E of T1 S, R, 36 E* Willamette Meridian, Oregon, showing the respective capacities in which they acted :

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

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted.....

Jacob C. Cooper, U. S. Deputy Surveyor, in surveying all those parts or portions of the *Exterior lines of Townships 1, 2 and 3 South Range 35 E. of Town 1 S R 36 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.

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

Subscribed and sworn to before me, this *second* day of

September 188*1*

[SEAL.]

Robert J. Leach
Notary Public

FINAL OATHS FOR SURVEYS.

290 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 *Exterior lines*.....

lines of *T1SR 37 E and*.....

T1NRs 37 & 38 E..... Willamette Meridian, Oregon, showing the respective capacities in which they acted :

-, Compassman.
- R. D. Cooper*....., Chainman.
- Chas W Ladd*....., Chainman.
- C. D. Goodnough*....., Chainman.
-, Chainman.
- C. D. Goodnough*....., Axeman.
- R. M. Morgan*....., Axeman.
-, Flagman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted *Jacob C Cooper*....., U. S. Deputy Surveyor, in surveying all those parts or portions of the *Exterior lines*.....

of *T1SR 37 E and*.....

T1NRs 37 & 38 East..... 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.

-, Compassman.
- C. D. Goodnough*....., Chainman.
- R. D. Cooper*....., Chainman.
- Charles Gadot*....., Chainman.
-, Chainman.
- C. D. Goodnough*....., Axeman.
- R. M. Morgan*....., Axeman.
- Charles Gadot*....., Flagman.

Subscribed and sworn to before me, this *13th*..... day of

October..... 188*1*.....

[SEAL.]

Robert J. Staler
Notary Public
for Oregon

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 TolmanU. S. Surveyor General for Oregon, bearing date of the first day ofJuly, 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 ofthe United States, surveyed all those parts or portions of the Exterior lines ofTps 1, 2, 3, 3. S R 35-E, T1S R 36 & 37-E, T1N R 37 & 38-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 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 seventhday of January, 1882.Henry Warner
Notary Public

292

Office U. S. Surveyor General,

Portland, Oregon, April 5, 1882

The following Field Notes of the Survey of

The E. 1/4 of Tps. 1-2-3 SR 35 E.
T1 SR 36nd 37 E. and T. 1-
N R 37 and 38 E.

executed by Jacob C. Cooper
under his contract No. 397

dated July 1, 1881, 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.