

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. S. 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.

Extensions

57

of T. 2 S.

R.

35 E 167

Willamette Meridian, Oregon.

Chains

A pine 20 ins diam bears

S 25° W, 44 lbs dist. marked

T 2 S. R. 34 E, S 12, B. T.

A pine 30 ins diam bears

S 28° E 186 lbs dist marked

T 2 S. R. 35 E, S 7, B. T. no other trees in

limits raised mound of stone along side

Land mountain table land

with occasional pines

Soil rocky. 3rd rate

Timber fir pine and tamarack

N. bet secs 1 and 6

Pa 24° 10' E

Descend through open timber

15.00

Head of hollow-dense timber and undergrowth.

35.00

Leave dense timber and enter open pine timber

40.00

Set post 3 ft long 3 ins square
10 ins in the ground for 1/4 sec
cor. marked 4 E. on the E

Chains and W. faces. - set on W side
of a ravine sloping W. from where
A pine 34 ins diam bears
S 17° W 42 lbs dist. marked $\frac{1}{2}$ S. B. I.
Leave timber

50.00 Enter heavy pine timber

65.00 Brink of canyon. Descend.

75.50 Bottom of canyon. Ascend.
Course N 20 W

76.50 Leave timber.

80.00 Set post 4 $\frac{1}{2}$ ft long 4 ins square
2 ft in the ground on steep
hillside facing E and 300 ft.
above bottom of canyon and
400 ft. below summit. for
cor. to Tps 1 and 2 S R 34 and
35 E marked

T. 1 S. S. 31 on N. E.
R. 35 E. S. 6. on S. E.
T. 2 S. S. 1 on the S W. and
R. 34 E S 36 on the N. W. faces.
with 6 notches on E edge from where

39

Extremes of T. S. R. 35 E 169
 Willamette Meridian, Oregon.

A pine & spruce forest

N 26° E 112 lbs dist marked

T 1 S R 35 E S 31 B T. no other trees in
 raised mound of stone along side

N 17° 50' E

Land rough mountainous
 and broken.

Soil rocky 4th rate

Timber pine, fir, and tamarack

This line runs across the head
 canyons of McKay creek and
 they are almost impassable
 for man or beast.

The tableland in this township
 is near the summit of the
 Blue Mountains, and is
 covered with heavy timber,
 of pine, fir, and tamarack,
 of good quality.

The soil in places on table-
 lands is good if not too high

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.

172

62

Exteriors

of T. 1 S

R. 35 E

Willamette Meridian, Oregon.

Chains	Ascend through dense timber
49.00	Summit of hill. Descend through dense buck brush and timber
52.75	Ascend through same
57.00	Point of ridge. Descend
70.00	Enter black pine forest
73.00	Spring branch course S.E. Survey of railroad from Umatilla to Baker City Course S.E. and N.W.
	Ascend gradually through dense timber
80.00	Set post 4½ ft long 4 ins square 2 ft in the ground, in dense thicket of black pine. Land sloping to the N. for cor to sec. 12, 35 and 36 marked, T 1 S, S 36 on N.E. R 35 E S 1 on S.E. T 2 S, S 2 on S.W. and

63

Exterior

of T

1 S

R.

35 E

173

Willamette Meridian, Oregon.

Chain S 35 on the N.W. face with
1 notch on the E. and 5
notches on the W. faces, from which
A pine 12 ins diam bears
S 21° E 14 lks dist. marked
T 2 S. R. 35 E S 1 B T.

A pine 9 ins diam bears
S 5° W. 22 lks dist. marked
T 2 S. R. 35 E S 2 B T.

A pine 13 ins diam bears
N 2° W. 12 lks dist. marked
T 1 S. R. 35 E, S 35, B T.

A pine 9 ins diam bears
N 82° E 28 lks dist. marked
T 1 S. R. 35 E S 36 B T.

Land rolling and mount-
ainous

Soil gravelly. Land rate
Lumber pine fir and
tamarack

Aug. 27 1881.

174

64 +

Extension

of T.

18

R.

35 E

Willamette Meridian, Oregon.

Chains

W. on a true line bet secs 2 and 35

N 20° 30' E

Ascend through dense timber and undergrowth

16.00

Descend through same

20.00

Ascend through same

40.00

Set post 3 1/2 ft long 3 ins square 15 ins in the ground in fir timber on N.E. slope for 1/4 sec cor marked 1/4 S on the N and S faces.

A fir 14 ins diam bears

N 41° E 6 lbs dist marked 1/4 S, B, T.

A fir 14 ins diam bears

S 48° W 24 lbs dist marked 1/4 S, B, T.

Ascend

45.00

Descend through dense forest of timber and undergrowth with fallen timber.

78.20

A dry creek course N 10° W.

Exterior

of T

1 S.

R.

35-E.

Willamette Meridian, Oregon.

Chains

Ascend

80.00

Set post $4\frac{1}{2}$ ft long 4 ins square.
 2 ft in the ground, on tableland
 thickly set with black pine
 timber and spruce under-
 growth for cor. to secs.

2, 3, 34 and 35 marked,

T 1 S S 35, on N.E.

R 35-E S 2, on S.E.

T 2 S, S 3 on S.W. and

S 34 on the N.W. face with

2 notches on the E and 4

notches on the W. faces, from which

A pine 10 ins diam bears

S 56° W 17 lbs dist marked.

T 2 S, R 35-E S 3 B.T.

A pine 9 ins diam bears

S 42° E, 21 lbs dist marked.

T 2 S, R 35-E, S 2, B.T.

A pine 11 ins diam bears

N 16° W 19 lbs dist marked.

176

66

Extensions

of T.

18

R.

35-E

Willamette Meridian, Oregon.

Chains

T18, R35-E S 34 B.T.

A pine 9 in diam base

N. 17° E 19 lbs dist marked

T18, R35-E S 35 B.T.

Land high broken and
mountainous

Soil gravelly 3rd rate

Timber fir tamarack and pine.

W. on a true line bet. sec's 34 & 34.

Pa. $19^{\circ} 40'$ E

Ascend through heavy timber.

25.00

Descend through underbrush
of new timber

Ascend.

40.00

Set post $3\frac{1}{2}$ ft long 3 ins square
18 ins in the ground on top
of hill in dense forest of
pine and fir for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ S. on N. and S.
faces from which

67

Exterior of T 1 S. R. 35-E 77

Willamette Meridian, Oregon.

Chain

Afir 14ms diam bears
S 2° W. 7 lks dist: marked ¼ S, B. S.
Afir 13ms diam bears
N 10° E 24 lks dist: marked ¼ S, B. S.
Descend

Pa 18° 30' E

50.00

Ascend through dense forest
of pine timber.

80.00

Set post 4ft. long 4ms square
2ft in the ground on top of
table land in dense forest
for cor. to secs. 3, 4, 33 and 34
marked -

T 1 S, S 34 on N.E.

R 35-E, S 3. on S.E.

T 2 S, S 4 on S.W. and

S 33 on the N.W. faces with
3 notches on the E and W
faces, from which

Asternack 12ms diam bears
S 60° W. 22 lks. dist marked.

178
Elevations

68

of T. 1 S. R. 35 E

Willamette Meridian, Oregon.

Chain T 2 S, R 35 E S 4 B T

A fir 11 ins diam base

S 53° E 27 lbs dist marked

T 2 S, R 35 E S 3 B T

A fir 16 ins diam base

N 30° W 14 lbs dist marked

T 1 S, R 35 E, S 33, B T

A fir 14 ins diam base

N 11° E 38 lbs dist marked

T 1 S, R 35 E S 34, B T

Land high broken and
mountainous

Soil gravelly 4th rate

Timber pine, fir and tamarack

N on a true line bet secs 4 and 33.

N 20° E

Descend through dense timber

20.00

Ascend through dense timber

32.00

Descend through heavy pine
and tamarack, with much

Extensive

of T

R.

Willamette Meridian, Oregon.

- Chains dead timber standing
- 38.00 Bottom of hollow course N. and S.
- 40.00 Set post 3½ ft long 3 ins square
18 ins in the ground on tableland
no young pine timber and
undergrowth of same, for ¼ sec.
cor. marked ¼ on N. and S.
faces. from which
A pine 6 ins diam base
N 65° W 3 lbs. dist. marked ¼ S. B. T.
- A pine 4 ins diam base
S 24° E, 4 lbs. dist. marked ¼ S. B. T.
- 56.00 Brink of precipice and canyon
3000 ft deep and 2000 ft wide
to top of backbone, and then
another canyon 2000 ft wide
and about 3500 ft. deep
Finding it impracticable to run
this line further W. I therefore
discontinue it at the ¼ Sec. cor.
last established.

Channe

These ^{two} canyons are some of the head canyons of McKay Creek and are very rugged and precipitous.

They run N. for about 3 miles then intersect and run N. W.

Aug. 29 1881

General Description

This line crosses the summit of the Blue Mountains dividing the waters between McKay Creek and Grand Ronde River. Some of the streams heading near here on the N. flow into Meacham Creek.

The timber is abundant and valuable, pine fir and tamarack.

Abundance of ties are being cut in the vicinity of the

71

921

Extensive

of T 1 S

R. 33-E 181

Willamette Meridian, Oregon.

proposed Railroad route.
 Several claims have been
 taken up on the line of the
 railroad and the sections
 near the line of the railroad
 should be surveyed for the
 benefit of the settler taking
 claims.

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*..... 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, T1 S R 36 & 37 E, T1 N 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,* 188*2*

The following Field Notes of the Survey of

The E. 1/2 of Tps. 1-2-3 SR 35 E.
T 1 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,* 188*1*, 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.