

FIELD NOTES

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Of the survey of the Retracings and
Exterior Lines of Tps 4 and 5 S,
Rgs 28 and 29 E, Willamette Meridian,
 Oregon, as surveyed by Edward W.
Sanderson, U. S. Deputy Surveyor,
 under his Contract No. 417, dated
August 24th, 1881

Survey commenced, _____ 188
 Survey completed, _____ 188

NAMES AND DUTIES OF ASSISTANTS.

- _____, Compassman.
- Lawrence O'Connor, Chainman.
- J. A. Mack, Chainman.
- _____, Chainman.
- _____, Chainman.
- Charles Miller, Axeman.
- _____, Axeman.
- _____, Flagman.

PRELIMINARY OATHS OF ASSISTANTS:

We, Lawrence O'Connor and
S. A. Mack

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 Retracings and
Exterior lines of Tps. 4 and 5 S.
Rqs 28 and 29 E. Willamette Meridian, Oregon.

Lawrence O'Connor, Chainman.
S. A. Mack, Chainman.
_____, Chainman.
_____, Chainman.

Subscribed and sworn to before me, this fifteenth
day of September 1881.

[SEAL.]

E. W. Sanderson Notary
Public for the State of Oregon

We, J. Charles Miller and

I 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~~ ^{me} and to the best of ~~our~~ ^{my} skill and ability, in the survey of the

Retracings & Exterior lines
Tps 4 & 5 S. Rqs 28 & 29 E. Willamette Meridian Oregon.

J. Charles Miller, Axeman.
_____, Axeman.

Subscribed and sworn to before me, this fifteenth
day of September 1881.

[SEAL.]

E. W. Sanderson Notary
Public for the State of Oregon

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Exteriors of T. 5 South R. 29 East

Willamette Meridian, Oregon.

N. bet. Secs. 1 and 6,

Var. $20^{\circ}E$.

40.00

Set a basalt stone $15 \times 10 \times 5$
ins 10 ins in ground on slight
N. slope for $1/4$ sec. corner,
marked $1/4$ on W. face
from which

a Pine 6 in diam bears
S. $53^{\circ}E$. 28 ers. dist. marked
 $1/4$ S. B. J.

A Pine 24 in. diam. bears
S. $28^{\circ}N$. 62 ers. dist. marked
 $1/4$ S. B. J.

80.00

Set a pine post $4\frac{1}{2}$ ft. long
 4 ins square 2 ft in the
ground on slight N.E. slope
for cor. to Tps. 4 and 5 South
Ranges 29 and 30 East, marked
T. 4 S. R. 30 E. S. 31 on N.E.
T. 5 S. R. 30 E. S. 6 on S.E.
T. 5 S. R. 29 E. S. 1 on S.W.
T. 4 S. R. 29 E. S. 36 on N.W.

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 Exterior of T. 5 South R. 29 East

Willamette Meridian, Oregon.

from which

A Pine 9 in dia, bears N. 62° E.
 19 ers. dist marked T. 4 S. R.
 30 E. S. 31 B. S.

A Pine 9 in. dia, bears S. 34° E.
 21 ers. dist. marked T. 5 S.
 R. 30 E. S. 6 B. S.

A Pine 9 in dia bears S. 68° W.
 32 ers. dist. marked T. 5 S. R.
 29 E. S. 1 B. S.

A Pine 8 in dia bears N. 44° W.
 8 ers. dist. marked T. 4 S. R.
 29 E. S. 36 B. S.

Land; Surface rolling.
 Soil 3^d x 2^d rate. Some open
 Pine, Tamarack and Fir
 timber with large open glades

June 7, 1882

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Extensions of T. 4 South R. 29 East

Willamette Meridian, Oregon.

I begin at the post the
 Cor. to Tps 4 and 5 S. Rgs 29 & 30
 E. which is a post 4 ins square
 marked

T. 4 S. R. 30 E. S. 31 on N.E. face

T. 5 S. R. 30 E. S. 6 on S.E. "

T. 5 S. R. 29 E. S. 1 on S.W. "

T. 4 S. R. 29 E. S. 36 on N.W. "

from which

A Pine 9 ins dia bears
 N. 62° E. 19 lks. dist marked

T. 4 S. R. 30 E. S. 31 B.S.

A Pine 9 ins. diam. bears
 S. 34° E. 21 lks dist. marked

T. 5 S. R. 29 E. S. 6 B.S.

A Pine 8 in dia bears N. 44° W.
 8 lks dist. marked T. 4 S. R. 29

E. S. 36 B.S.

A Pine 9 in dia bears S. 68°
 W. 32 lks dist marked T. 5 S.

R. 29 E. S. 1 B.S.

Survey commenced June 8, 1852

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 Exteriors of T. 4 South R. 29 East
 Willamette Meridian, Oregon.

with a Burt's Improved solar
 Compass, all in good order
 and proper adjustment

Thence I run

N. bet. Secs. 31 and 36.

Var. 190 E.

7.25 A spring branch course south
 East.

40.00 Set a basalt stone 18 x 8 x 8
 ins 12 ins in ground for
 1/4 Sec. cor. on South slope
 for 1/4 Sec. cor. marked 1/4 on N. face

from which

A Pine 9 ins dia bears
 N. 85° E. 174 eps dist marked
 1/4 S. P. I.

A Pine 18 in dia bears N. 104 N.
 102 eps. dist. marked 1/4 S. P. I.

80.00 Set a post 4 ft. long 4 ins
 square 2 ft in ground on N.E.
 slope in dense grove of black

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Exteriors of T. 4 South R. 29 East
Willamette Meridian, Oregon.

pine for lev. to Secs. 25, 36, 30 & 31,
marked with 1 notch on S,
and 5 notches on N. edges &

T. 4 S. S. 30 on N.E.

R. 30 E. S. 31 on S.E.

T. 4 S. S. 36 on S.W.

R. 29 E. S. 25 on N.W. faces
from which

A Pine 8 in dia bears N. 56° E.
42 lks. dist. marked T. 4 S. R.
30 E. S. 30 B.T.

A Pine 8 in dia bears S. 48° E. 44
lks. dist. marked T. 4 S. R. 30 E. S. 31 B.T.

A Pine 8 in dia. bears S. 27° N. 13
lks dist marked T. 4 S. R. 29
E. S. 36 B.T.

A Pine 8 in dia bears N. 45° N.
38 lks dist. marked T. 4 S. R. 29 E.
S. 25 B.T.

Land: surface rolling. Soil
39 x 29 rate. Pine, Tamarack and
Fir timber, with open glades.

Exteriors of T. 4 Smith R. 29 East

Willamette Meridian, Oregon.

N. bet. Secs. 25 and 30.

Cor. $20^{\circ}45' E.$

6.00 A brook 8 eks. wide course
S.E. Descent 50 ft.

40.00 Set a basalt stone $16 \times 10 \times 5$
ins 11 ins in ground for $1/4$
Sec. Cor. marked $1/4$ on N. face
from which

A Pine 10 in dia bears N.
 $40^{\circ} E.$ 48 eks. dist marked $1/4$ S.B.J.
A Pine 20 in dia bears S. $58^{\circ} N.$ 50
eks dist. marked $1/4$ S.B.J.

47.00 Leave heavy timber course E.W.

80.00 Set a basalt stone $15 \times 8 \times 5$
ins 10 ins in ground on level
for Cor. to Secs. 24, 25, 19 + 30,
marked with 2 notches on S.
and 4 notches on N edges,
from which

A Pine 10 in dia bears N. 20°
E. 67 eks. dist. marked J. 4 S.
R. 30 E. S. 19 B.J.

Exteriors of T. 4 South R. 29 East

Willamette Meridian, Oregon.

A Pine 26 in dia bears S. 38° E. 168 eks.
dist. marked T. 4 S. R. 30 E. S. 30 B. V.

A Pine 20 in dia bears N. 61° W.
72 eks. dist. marked T. 4 S. R. 29 E. S. 24 B. V.
raised mound of stone alongside
No tree in limits
on S. W.

Land: surface rolling; soil
3d and 2d rate. Pine, Tamarack
and Fir timber with
some underbrush. Some
open glades.

N. bet. Secs. 19 and 24

Var. 25° 30° E.

13.50 Wagon road to timber course E & W,

29.50 Begin steep descent.

40.00 Set a basalt stone $12 \times 10 \times 7$ ins
8 ins in ground on N. slope
for 1/4 Sec. Cor. marked 1/4 on N. face
from which

A Tamarack 14 in dia bears N. 69° E.

Exteriors of T. 4 South R. 29 East

Willamette Meridian, Oregon.

102 eks. dist. marked 1/4 S. R. E.

A Tamarack 10 ins dia bears S. 44° N.

45 eks. dist. marked 1/4 S. R. E.

50.00 Set basalt stone 14 x 10 x 5 ins
10 ins in ground on N. slope
on N. side of small ridge
extending N. E. & S. W. for loc.
to Secs. 13, 18, 19 & 24, marked
with 3 notches on N. & S. edges

From which

A Pine 30 in dia bears N. 45°

E. 47 eks. dist. marked

T. 4 S. R. 30 E. S. 18 B. E.

A Tamarack 9 ins dia bears

S. 12° E. 40 eks. dist. marked

T. 4 S. R. 30 E. S. 19 B. E.

A Pine 14 in dia bears S. 42° N. 34

eks. dist. marked T. 4 S. R. 29 E. S. 24 B. E.

A Tamarack 9 in dia bears N. 10° N. 38

eks. dist. marked T. 4 S. R. 29 E. S. 13 B. E.

resent about 300 feet.

Land; Surface N. 50.00 chs mountains

S. 29.50 chs, nearly level, Soil 3^d rate

Exteriors of T. 4 South R. 29 East
Willamette Meridian, Oregon.

Some Pine Tamarack and
Fir timber, but mostly
open or scattering.

N. bet. Secs. 13 and 18.
Cor. $20^{\circ} 15' E$.

27.00 A Brook 4 ers wide course
N. W. descent 100 ft.

40.00 Set a basalt stone $12 \times 10 \times 9$
ins 8 ins in ground for $\frac{1}{4}$ Sec
Cor. on N.W. slope, marked
 $\frac{1}{4}$ on W. face.

from which
A Tamarack 20 in dia bears
N. $62^{\circ} E$. 16 lks. dist. marked $\frac{1}{4}$ S.B.C.
A Tamarack 20 in dia bears
N. $34^{\circ} N$. 26 lks. dist. marked $\frac{1}{4}$ S.B.C.

50.00 A Pine 9 in dia, on N.W. slope
for Cor. to Secs. 12, 13, 7 & 18,
marked T. 4 S. 7 on N.E.,
R. 30 E. S. 18 on S.E.

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Exteriors of T. 4 South R. 29 East

Willamette Meridian, Oregon.

T. 4 S. S. 13 on S. W. and
R. 29 E. S. 12 on N. W. faces
with 2 notches on N. & 4 notches on S. faces
from which

A Pine 8 in dia bears N. 38°
E. 55 ers. dist marked T. 4 S.

R. 30 E. S. 7 B.S.

A Pine 30 in dia bears S. 64°
E. 26 ers. dist. marked T. 4 S. R.

30 E. S. 18 B.S.

A Tamarack 18 in. dia bears
S. 60° N. 30 ers. dist. marked

T. 4 S. R. 29 E. S. 13 B.S.

A Pine 14 in dia bears N. 28° N.
43 ers. dist. marked T. 4 S. R.

29 E. S. 12 B.S.

Descent about 80 ft.

Land: Surface broken; soil
29 and 39 rate. Heavily
covered with. pine, tamarack
and fir timber with much
dense undergrowth of pine
tamarack and fir.

Exteriors of T. 4 South R. 29 East ³⁷¹
 Willamette Meridian, Oregon.

St. bet. Secs. 7 and 12,

Var $20^{\circ} 30' E$.

25.50 a brook 8 ers wide course
 N. E. ascent about 80 feet

35.00 Alvira Lowrie's house bears
 E. about 600 yds. dist

40.00 Set a post 4 ft long 4 ins
 dia 2 ft. in ground for "4
 Sec. cor. on slight E. slope
 for "4 Sec. cor. marked "4 S,
 on W. face. from which
 a Pine 20 in dia bears
 N. $67^{\circ} E$. 24 ers. dist. marked
 "4 S. B. S.

a Pine 14 in dia. bears S. $48^{\circ} N$. 27
 ers. dist. marked "4 S. B. S.

54.50 Wagon road to Lowrie's place course N. W. \rightarrow S. E

67.00 a brook 12 ers wide course N. W.
 descent. about 100 ft.

72.00 Steep ascent to bench

80.00 Set a basalt stone $18 \times 10 \times 5$ ins
 in mound of stone on rocky

Exteriors of T. 4 South R. 29 East,
Willamette Meridian, Oregon.

point west slope for cor.
to Secs. 1, 6, 7 and 12, marked
with 5 notches on S. and 1
notch on N. edges.

from which

A Pine 24 in dia bears N. 44°
E. 48 lks. dist marked T. 4 S.
R. 30 E. S. 6 B.S.

A Pine 22 in dia bears N. 33°
W. 207 lks dist. marked
T. 4 S. R. 29 E. S. 1 B.S.

No trees South, mound of
stone around cor. instead.
Ascent about 100 ft.

Land; surface rolling.
Soil 2nd ^{rate} and small part
1st rate. Heavily covered
with Pine, Tamarack and
Fir timber, about $\frac{3}{4}$ of
this mile, remainder
open or scattering. Some
undergrowth of pine fir & tamarack

Exteriors of T. 4 Smith R. 29 East

Willamette Meridian, Oregon.

N. bet. secs. 1 and 6.

Var. $20^{\circ}15'E$.

34.00 Springs and spring branch course West.

40.00 Set a basalt stone $18 \times 12 \times 8$

ins 12 ins in ground for $\frac{1}{4}$

Sec. cor. marked $\frac{1}{4}$ on W. face

from which

A Pine 14 in dia bears $N. 42^{\circ}$

E. 50 lrs. dist. marked $\frac{1}{4}$ S.P.C.

A Pine 14 in dia. bears $N. 56^{\circ} W.$

34 lrs. dist. marked $\frac{1}{4}$ S.P.C.

44.50 Wagon road course E & W. to timber

45.00 A Spring branch course West.

At 68.00 chs. I make careful

and diligent search but

cannot find any trace

of cor. to T. 3 S. R. 29 & 30 E.

I now proceed to the cor.

of secs. 29, 30, 31 & 32 in T. 3 S.

R. 30 E. and run and measure

W. 80.00 chs and can find

no trace of cor. to secs. 30 & 31.

Exteriors of T. 4 South R. 29 East
Willamette Meridian, Oregon.

on W. bdy.

Thence I run and measure
S. 40.00 chs and find the
114 Sec. Cor which is a
stone 20 x 12 x 10 ins on
slight N. W. slope and from
this point I establish the
old cor. of T. 3 S. Rgs 29 and 30
E. by running S. 40.00 chs
Set a basalt stone 20 x 8 x 8
ins in a mound of stone
on rocky S.W. hillside for
Cor. to Tps. 3 S. Rgs 29 and 30
E. marked with 6 notches
on N. E. S. and W. edges.
This being an old corner
I mark it as near the
old style as possible.

67.26 Set a basalt stone 16 x 10 x 7
ins 11 ins in ground and
post 3 ft long 5 ins diam
with S E. and S.W. sides faced

E. bay

65

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Exteriors of T. 4 South R. 29 East

Willamette Meridian, Oregon.

N.E. and S.W. blank stone
marked with S.E. N. edges
6 notches on each post
marked T. 4 S. R. 30 E. S. 6
on S.E. T. 4 S. R. 29 E. S. 1 on S.W.
on steep sw. face of hill
in float rock. Raised a
mound of stone around Cor.
stone and post. pits im-
practicable.

Cor. of T. 3 S. Rgs 29 + 30 E. is
382 rods W. of stone Cor. to
T. p. 3 S. Rgs. 29 and 30 E.
Land surface rolling
Soil 2d and 3d rate. Some
scattering pine timber
mostly open, good grass.

June 8th 1882.

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General Description of T. 4 South R. 29 East

Willamette Meridian, Oregon.

The surface of this line, is on S. 2 miles undulating, and rolling. On 3^d mile mountains. On N. 3 miles rolling and broken.

Soil, larger part 3^d rate some 2^d rate and small part on 4th mile 1st rate.

Pine, Tamarack and Fir timber, dense in places but mostly open and on N. mile scattering.

FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by Edward W. Sanderson, 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 Retracings and Exterior lines of Tps. 4 and 5 S. Rgs 28 and 29 E. Willamette Meridian, Oregon, showing the respective capacities in which they acted:

- Lawrence O'Connor, Compassman.
S. A. Mack, Chainman.
Charles Miller, Chainman.
Axeman.
Flagman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted Edward W. Sanderson, U. S. Deputy Surveyor, in surveying all those parts or portions of the Retracings and Exterior lines of Tps. 4 and 5 S. Rgs 28 and 29 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.

- Lawrence O'Connor, Compassman.
S. A. Mack, Chainman.
Charles Miller, Chainman.
Axeman.
Flagman.

Subscribed and sworn to before me, this Thirtieth day of November 1882.

E. W. Sanderson Notary Public for the State of Oregon

FINAL OATH OF DEPUTY SURVEYOR.

I, Edward W. Sanderson

United States Deputy Surveyor, do solemnly swear that in pursuance of instructions

received from James C. Tolman

U. S. Surveyor General for Oregon, bearing date of the 24th day of

August, 1882, 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, surveyed all those parts or portions of the

Retractions and Extensions of Tps. 4 & 5 S, Rgs 28 & 29 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.

Edward W. Sanderson

U. S. Deputy Surveyor.

Subscribed and sworn to before me, this 12th

day of December 1882

Ed. F. Lewis
Notary Public



Office U. S. Surveyor General,Portland, Oregon, *Jan'y 30,* 1883

The following Field Notes of the Survey of the
Retracings and Exteriors
of Tps 4 and 5 N. Rgs 28
and 29 E. Will. Mer. Oregon,
executed by *Edward W. Sand-*
erson under *his* contract No. *417*
dated *August 24th* 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.

