

FIELD NOTES

Of the survey of the Subdivisional

Lines of Township 2 North,

Range 36 East, Willamette Meridian,

Oregon, as surveyed by Herwan D. Graham

U. S. Deputy Surveyor, under his Contract No. 452

dated June 16" , 1882

Survey commenced, September 26" 1882

Survey completed, October 1st 1882

NAMES AND DUTIES OF ASSISTANTS.

....., Compassman.

Abraham Blanchard, Chainman.

Henry King, Chainman.

....., Chainman.

....., Chainman.

Geo. W. Huitt, Axeman.

....., Axeman.

....., Flagman.

PRELIMINARY OATHS OF ASSISTANTS:

We, Abraham Blanchard and
Henry King

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 subdivisional

lines of Township 2 North

Range 36 East Willamette Meridian, Oregon.

Abraham Blanchard, Chainman.

Henry King, Chainman.

, Chainman.

, Chainman.

Subscribed and sworn to before me, this 26th

day of September 1882

[SEAL.]

H. D. Graden
Notary Public

We, Geo. W. Huitt 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 subdivisional lines of

T2 N. R 36 E Willamette Meridian, Oregon.

Geo. W. Huitt, Axeman.

, Axeman.

Subscribed and sworn to before me, this 26th

day of September 1882

[SEAL.]

H. D. Graden
Notary Public

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Meanders of _____ Pages _____ to _____

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

Preliminary to subdividing this township I ran North on a blazed line on the East boundary of Sec. 36 and at 40.00 chs I found the $\frac{1}{4}$ sec. cor. and at 80.04 chs I found the sec. cor., As I have just run the south boundary a few days previous, I do not retrace same. My compass will therefore run the same line as the exterior boundaries and the chaining practically agrees.

Survey commenced September 26th 1882 with a Burt's improved solar compass

I commenced at the cor. to Secs 1, 2, 35 + 36 on the S. boundary which is a basalt stone 14x12x8 ins. marked with 1 notch on E. and 5 notches on the edges, with a mound of stone alongside
 Thence I run

532

Subdivisions of T. 2 N. R. 36 E

Willamette Meridian, Oregon.

North

bet - Sec's 35 + 36

Var. $22\frac{1}{2}^{\circ}$ E

Ascend

40.00

Top of hill, about 400 ft above sec. cr. corner N.W.; set a basalt stone $18 \times 12 \times 8$ in, 12 in in the ground, for $\frac{1}{4}$ sec. cr., marked $\frac{1}{4}$ on N. face,

from which

A fir 24 in diam. bears N. 70° W. 123 lks dist., marked $\frac{1}{4}$ S. B. I.

no other trees within limits and raised a mound of stone alongside

80.00

Set a post 4 ft. long, 4 in square, 24 in in the ground, for cor. to Sec's 25, 26, 35 + 36, marked

T. 2 N. S 25 on N. E.

R 36 E. S 36 on S. E.

S 35 on S. W. and

S 26 on N. W. faces, with 1 notch on S. and E. edges, from which

A tamarack 6 in diam bears N. 40° E. 12 lks dist., marked T. 2 N. R 36 E. S 25 - B. I.

Subdivisions of T. 2 N. R. 36 E. 533

Willamette Meridian, Oregon.

- A tamarack 6 inches - bears S. 30° E. 7
 lbs diet. marked T 2 N. R 36 E. S 31. B. 2
- A tamarack 6 inches bears S. 45° N. 17
 lbs diet. marked T 2 N. R 36 E. S 35. B. 2
- A tamarack 6 inches bears N. 50° N. 6
 lbs diet. marked T 2 N. R 36 E. S 26. B. 2

Land mountainous
 Soil sandy loam & clay 2nd & 3rd rate
 Timber, scattering fir, pine & tamarack
 Dense undergrowth of young fir, pine
 & tamarack

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

East

in a random line bet - Sec's 25 + 36
Va. 19° E -

Through timber & brush

21.00

Dry bed of creek, course N.

40.00

Set temporary 1/4 sec. cor.

76.00

Dry bed of creek, course N.

80.60

I intersect E boundary 12 cks N.

of the Cor. to Sec's 25, 36, 30 + 31

which is a post 4 in square, marked
T 2 N. S 30 on N. E.

R 37 E. S 31 on S. E.

R 36 E. S 36 on S. W. and

S 25 on N. W. faces, with 1 notch on
S. and 5 notches on N. edges, from which

A tamarack 4 in diam. bears S 71° W. 17
cks dist. marked T 2 N. R 36 E. S 36. B D.

A tamarack 5 in diam. bears N. 60° W. 31
cks dist. marked T 2 N. R 36 E. S 25. B D.

A spruce 3 in diam. bears N. 45° E. 4
cks dist. marked T 2 N. R 37 E. S 30. B D.

A fir 2 in diam. bears S. 66° E. 8 cks dist.
marked T 2 N. R 36 E. S 31. B D.

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

Thence I run

N. 89° 55' N. on a true line bet. Secs 25 & 36

40 30 Put a post 3 ft long, 3 ins square, 2 4 ins in the ground, for 1/4 corner, marked 1/4 S. or N. face, from which a piece 7 ins diam. bear N. 85° E. 40 cor. dist. marked 1/4 S. B. J.

A fir 6 ins diam. bear S. 10° E. 13 cor. dist. marked 1/4 S. B. J.

80, 60 The cor. to Secs 25, 26, 35 & 36

Land mountainous
Soil sandy loam, 2 nd rate
Heavily timbered with fir & tamarack
Dense undergrowth of young pine, fir & tamarack.

536

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Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

North

bet - Sec's 25 & 26

Va. 19° E.

Through timber & brush

40.00

Set a post 3 ft. long, 3 in square, 24 in in the ground, for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ S. on N. face, from which

A fir 3 in diam. bear N. 40° E. 40 lb dist. marked $\frac{1}{4}$ S. B. D.

A tamarack 18 in diam. bear N. 35° W. 17 lb dist. marked $\frac{1}{4}$ S. B. D.

43.00

A spring branch, 3 lb wide, run N. E.

80.00

Set a post 4 ft. long, 4 in square, 24 in in the ground, for cor. to Sec's 23, 24, 25 & 26, marked

D 2 N. S 24 on N. E.

R 36 E. S 25 on S. E.

S 26 on S. W. and

S 23 on N. W. faces, with 2 notches on S. and 1 notch on E. edges, from which

A fir 10 in diam. bear N. 60° E. 94 lb dist. marked D 2 N. R 36 E. S 24. B. D.

A fir 20 in diam. bear S. 40° E. 75 lb

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

dist. marked S 2 N. R 36 E. S 25. B. D.

A fir 8 ins diam. bears S. 22° N. 60 lbs

dist. marked S 2 N. R 36 E. S 26. B. D.

A fir 7 ins diam. bears N. 40° N. 40 lbs

dist. marked S 2 N. R 36 E. S 23. B. D.

Land mountainous

Soil good 2nd rate

Heavily timbered with fir, tamarack
& spruce, with dense undergrowth of
alder, willow, fir, tamarack & spruce.

538

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

East

on a random line bet. Secs 24 + 25
Var 16 1/4° E.

3,50

Through timber
a spring branch, 3' wide, runs N.
Ascend about 200 ft. to

18,00

Top of ridge, course N.

40,00

Get temporary 1/4 sec. cor.

41,75

Bottom of gulch, about 500 ft. below
ridge; a brook, 4' wide, runs N. E.

67,50

Top of ridge, about 500 ft. above gulch, course N.

80,70

Intersect E. boundary 62' N. of
the Cor. to Secs 24, 25, 19 + 30 which is
a basalt stone 20 x 12 x 10 ins marked with
2 notches on S. + 4 notches on E. edges.
from which

A fir 6 in diam. bears N. 40° E. 11' W.
dist., marked T 2 N. R 37 E. S 19. B D.

A fir 4 in diam. bears N. 60 W. 31' W.
dist., marked T 2 N. R 36 E. S 24. B D.

with mound of stone along side
Thence down

N. 89° 33' W. on a tree line bet. Secs 24 + 25

Subdivisions of T. 2 N. R. 36 E 39

Willamette Meridian, Oregon.

40,35 - Set a basalt stone 12x10x5 ins. 8 in in the ground. for 1/4 sec. cor. marked 1/4 on N. face. from which

A fir 3 in diam. bears North 113 deg dist. marked 1/4 S. B. J.

A fir 8 in diam. bears S. 20 deg E. 48 deg dist. marked 1/4 S. B. J.

80,70 The cor. to Sec's 23, 24, 25 + 26

Land rough + mountainous

Soil sandy loam + stony. 2nd + 3rd strata

Heavily timbered with fir + tamarack

Dense undergrowth of fir + tamarack

540

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

North bet. Secs 23 + 24

Va. 16 1/4° E.

40.00

Along side hill through timber
Put a post 3 ft long, 3 in in square
24 in in the ground, for 1/4 sec. cor.,
marked 1/4 S. on N. face, from which
A tamarack 6 in diam. bear S. 70° E. 22
cords dist. marked 1/4 S. B.D.

A tamarack 6 in diam. bear S. 75° N. 26
cords dist. marked 1/4 S. B.D.

80.00

Put a basalt stone 18 x 8 x 8 in 12 in
in the ground. for Cor. to Secs 13, 14,
23 + 24. marked with 3 notches on
S. and 1 notch on E. edge. from which
A fir 24 in diam. bear N. 20° E. 115 cords
dist. marked 1/2 N. R. 36 E. S. 13. B.D.

A fir 22 in diam. bear N. 30° N. 120 cords
dist. marked 1/2 N. R. 36 E. S. 14. B.D.
no other trees within limits raised a
mound of stone along side -

Subdivisions of T. 2 N. R. 36 E. 541

Willamette Meridian, Oregon.

Land mountainous
 Soil sandy loam - 2nd rate
 Heavily timbered with fir + tamarack
 Dense undergrowth of fir + tamarack + mountain laurel
 September 26th 1882

East in a random line bet - Dec 13 + 24
 Va 20 1/2° E.

Through timber

40.00 Dit temporary 1/4 sec. cor.

40.50 Descend steep hill about 1200 ft. to

72.00 Bottom of canon: a creek, 600
wide. run N.

80.63 Intersect E boundary 1000 ft N. of
 the cor. to Dec 13, 24, 18 + 19 which is
 a basalt stone 18 x 9 x 6 in, marked with
 3 notches on N. + S. edges from which
 A fir 8 in diam. bears N. 60° E. 2100
 dist., marked T 2 N. R 37 E. S 18. B. D.
 A pine 16 in diam. bears S. 10° N. 400
 dist., marked T 2 N. R 36 E. S 24. B. D.

542 Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

A fir 12 in diam. bears N. 30° W. 21 lks
dist. marked 1/2 N. R. 36 E. S. 13. B. 2.
and a mound of stone along side
Thence I run

N. 89° 56' W. on a true line bet. Secs 13 + 24

4031 Set a basalt stone 18x10x5 in 12 in in
the ground. for 1/4 sec. cr., marked 1/4
on N. face. from which

A fir 6 in diam. bears N. 5° W. 49 lks
dist. marked 1/4 S. B. 2.

A fir 9 in diam. bears S 40° W. 40 lks
dist. marked 1/4 S. B. 2.

8063 The line to Secs 13, 14, 23 + 24

Land mountainous

Soil sandy loam + stony 2nd + 3rd Soats
Heavily timbered with fir and
tamarack,

Dense undergrowth of young fir,
tamarack + spruce

Subdivisions of T. 2 N. R. 36 E. 543

Willamette Meridian, Oregon.

I run the cor. to Secs 2, 3, 34 + 35 on the S. boundary which is a basalt stone 15 x 12 x 10 ins. marked with 2 notches on E. + 4 notches on N. edges, with mound of stone alongside

I run

North bet. Secs 34 + 35

7a 21° E.

Descend about 100 ft. to

7.00 Bottom of gulch. course S. N.

40.00 Set a basalt stone 14 x 10 x 6 ins 9 ins in the ground for 1/4 sec cor., marked 1/4 on N. face, and raised a mound of stone alongside

60.00 Top of ridge, about 1000 ft. above gulch, course S. N.

80.00 Set a basalt stone 18 x 10 x 4 ins, 12 ins in the ground, for cor. to Secs 26, 27, 34 + 35, marked with 1 notch on S. and 2 notches on E. edges, and raised a mound of stone alongside

Land mountainous Soil stony 3-4% water Timber, scattering fir + pine, with dense undergrowth of bush + shrubs

544

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

East	<p>on a random line bet. Secs 26 + 35 Va. 19° E. Ascend through timber 40.00 Set temporary 1/4 sec. cor. 52.50 Top of ridge, about 800 ft. above sec. cor. course N.N. 80.38 Intersect 47 lvs N. of the cor. to Secs 25. 26. 35 + 36 Thence I run</p>
N. 89° 40' N.	<p>on a true line bet. Secs 26 + 35 40.19 Set a 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 tamarack 4 ins diam, bear N. 40° N. 33 lvs dist., marked 1/4 S. B. D. A tamarack 6 ins diam, bear S. 25° N. 9 lvs dist., marked 1/4 S. B. D.</p>
80.38	<p>The cor. to Secs 26, 27, 34 + 35 Land rough + mountainous Soil, sandy loam + stony, 2nd + 3rd strata Timber, scattering fir, pine + tamarack Dense small growth pine, fir, tamarack and wild cherry</p>

Subdivisions of T. 2 N. R. 36 E. 545

Willamette Meridian, Oregon.

North bet. Secs 26 + 27
Ta. 19° E.

17.00 Descend about 300 ft. to
Bottom of gulch, course S. N.

40.00 Put a basalt stone 18 x 14 x 6 in, 12 in
in the ground, for $\frac{1}{4}$ sec. - , marked
 $\frac{1}{4}$ on N. face, from which

A fir 30 in diam. bears S. 35° E. 96 lb
dist., marked $\frac{1}{4}$ S. B. 2.

no other tree within limits and
raised a mound of stone along side

65.50 Top of ridge, about 600 ft. above gulch,
course N 60° W.

80.00 Put a post 4 ft. long, 4 in square, 24 in
in the ground, for cor. to Secs 22, 23, 26
+ 27, marked

T 2 N. S 23 on N. E.

R 36 E. S 26 on S. E.

S 27 on S. N. and

S 22 on N. N. faces, with 2 notches on
S + E. edges, from which

A fir 6 in diam. bears N. 10° E. 16 lb dist.

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

marked S 2 N. R 36 E. S 23. B. D.

A willow 6 in diam. base S 80 E. 23 lb
dist. marked S 2 N. R 36 E. S 26. B. D.

A willow 5 in diam. base N 60 W. 11 lb
dist. marked S 2 N. R 36 E. S 22. B. D.

A fir 20 in diam. base S. 40 W. 57 lb
dist. marked S 2 N. R 36 E. S 27. B. D.

Land mountainous

Soil sandy loam + stony 2nd + 3rd strata
Timber scattering pine, fir and
tamarack

Dense undergrowth of fir, pine
tamarack, mountain laurel and
wild cherry

Subdivisions of T. 2 N. R. 36 E. 547

Willamette Meridian, Oregon.

East on a random line bet. Secs 23 + 26
Va. 20° E.

Through brush + timber

40.00 Set temporary 1/4 sec. cor.

80.44 Intersect 20 cor. N. of the cor. to
Secs 23, 24, 25 + 26.

Thence I run

N. 89° 51' W. on a true line bet. Secs 23 + 26

40.72 Set a basalt stone 16 x 10 x 10 in 11 in in
the ground. for 1/4 sec. cor., marked 1/4 on
N. face. And raised a mound of
stone along side

80.44 The cor. to Secs 22, 23, 26 + 27

Land mountainous

Soil. sandy loam 2nd rock

Timber, scattering pine, fir and
lamarack

Dense undergrowth of pine, fir
lamarack, mountain Laurel and wild
cherry

September 27 1882

548

Subdivision of T. 2 N R. 36 E

Willamette Meridian, Oregon.

North bet. Secs 22 + 23

Va 20° E -

Descend about 100 ft to

9.50 Bottom of gulch, course N.
Ascend about 250 ft to

29.00 Top of ridge, course N.

39.00 Bottom of gulch, about 150 ft. below
ridge, course N.

40.00 Set a basalt stone 26 x 8 x 8 ins, 19 ins in
the ground, for 1/4 sec., marked 1/4 on
N. face, from which

A fir 8 in diam. bear S. 30° E. 95 lch
dist., marked 1/4 S. B. I.

A fir 6 in diam. bear S 45° N. 38 lch
dist., marked 1/4 S. B. I.

52.00 Top of ridge, about 100 ft. above gulch,
course N.

68.00 Bottom of gulch, about 100 ft. below ridge,
course N.

80.00 Set a basalt stone 18 x 14 x 8 ins 12 ins in
the ground, for lch to Secs 14, 15, 22
+ 23, marked with 3 notches on S. and

Subdivisions of T. 2 N. R. 36 E. 549

Willamette Meridian, Oregon.

2 notches on E. edges, from which
A fir 18 in diam. bears N. 15° E. 30 lks
dist. marked S 2 N. R 36 E. S. 14. B 2 -

A fir 20 in diam. bears S. 10° E. 40 lks
dist., marked S 2 N. R 36 E. S 23. B 2 -

A fir 8 in diam. bears S. 20° N. 50 lks
dist., marked S 2 N. R 36 E. S 22. B 2 -

no other trees within limits and
raised a mound of stumps along side

Land mountainous

Soil sandy loam + stony 2nd + 3rd strata

Timber scattering pines, fir +
tamarac -

Rare undergrowth of mountain
laurel + wild cherry

550

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

East

was run line bet Secs 14 + 23
Va. 20° E.

Through timber

20.00

Bottom of gulch, about 250 ft
below course N.

40.00

Set temporary $\frac{1}{4}$ sec. cor.

80.72

Intersect 55' W. S. of the Cor. to Secs
13, 14, 23 + 24

Thence I run

S. 89° 36' N. on a true line bet. Secs 14 + 23

40.36

Set a post 3 ft long, 3 in square, 24
in in the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ S. on N. face, from which

A fir 15 in diam. bears N. 65° E. 12 cor.
dist., marked $\frac{1}{4}$ S. B. J.

A fir 5 in diam. bears S 35° E. 12 cor.
dist., marked $\frac{1}{4}$ S. B. J.

80.72

The Cor. to Secs 14, 15, 22 + 23

Land mountainous

Soil 2nd rate

Heavily timbered with fir + tamarack

Dense undergrowth of fir, tamarack + alder

Subdivisions of T. 2 N. R. 36 E 551

Willamette Meridian, Oregon.

I run the cor. to Sec's 3, 4, 33 + 34 on the S. boundary which is a basalt stone 14x14x12 in, manded with 3 notches on E. & W. edges, with mound of stone alongside, I run

North bet. Sec's 33 + 34

Var. 21° E.

Over mountainous land

21.50 Descend about 400 ft.

40.00 Set a basalt stone 14x10x5 in, 9 in in the ground. for 1/4 sec. cor., manded 1/4 on N. face, from which

A fir 6 in diam. bears S. 60° E. 50 cks dist., manded 1/4 S. B.D.

A fir 4 in diam. bears N. 60° W. 44 cks dist., manded 1/4 S. B.D.

58.50 Dry bed of creek, course S.-E.

68.50 Same creek, bed, course S.-W.

80.00 Set a basalt stone 18x12x9 in, 12 in in the ground. for cor. to Sec's 27, 28, 33 + 34, manded with 1 notch on S. and 3

552

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

notched on E. edges, and raised a mound of stone along side

Land mountainous
Soil, sandy loam, 2nd rate
Timber, scattering fir & pine, with
dense undergrowth of buck brush.

East on a random line bet. Secs 27 + 34
Va. 170 E.

Descend about 75 ft. to

3.50 Bottom of gulch, course S. N.

17.00 Top of ridge, about 200 ft. above gulch,
course S.

40.00 Get temporary 1/4 sec. ev.

69.50 Bottom of gulch, about 500 ft. below
ridge, course S. N.

80.14 Intersect 50 cor. N. of the cor. to Sec's
26, 27, 34 + 35

Hence from

N 89° 39' N. on a true line bet. Sec's 27 + 34

Subdivisions of T. 2 N. R. 36 E. 553

Willamette Meridian, Oregon.

40,07 Set a basalt stone 12x12x8 in, 8 in
in the ground, for 1/4 sec ev., marked
1/4 on N. face, and raised a
mound of stone along side

80,14 The ev. to Dec 27, 28, 33 + 34

Land mountainous
Soil stony & loate
Timber scattering fir & spruce,
Dense undergrowth of ~~brush~~ brush.

North bet. Dec 27 + 28

Var. 170° E.

19,00 Ascend about 200 ft. to
Top of hill. course N.

40,00 Set a basalt stone 20x14x14 in, 15 in
in the ground, for 1/4 sec ev., marked
1/4 on N. face. from which

A pine 20 in diam. bears N. 50° E. 77' 60"
dist., marked 1/4 S. B. J.

A pine 20 in diam bears N. 25° N. 107' 60"

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

dist. marked $\frac{1}{4}$ S. B. I.

80.00

Set a basalt stone $14 \times 12 \times 7$ ins, 9 ins in the ground. for ln. to Decs 21, 22, 27 + 28, marked with 2 notches on S. and 3 notches on E. edges, and raised a mound of stone along side

Land mountainous

Soil 2nd rate

Timber scattering fir + pine.

Dense undergrowth of fir, pine + buck brush.

September 28th 1882

East

in a random line bet Decs 22 + 27

$\text{Va } 22\frac{1}{2}^{\circ} \text{ E.}$

3.50

Top of ridge. course N.

Descend about 300 ft. to

23.00

Bottom of gulch. course N. E.

40.00

Top of ridge, about 300 ft. above gulch, course N.;

Set temporary $\frac{1}{4}$ sec. cor.

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

55,25 Bottom of gulch, about 150 ft. below ridge, course N.

60,50 Top of ridge, about 150 ft. above gulch, course N.

80,34 Intersect 10 lots S. of the cor. to Secs 22, 23, 26 + 27

Thence from

S 89° 56' N. on a true line bet. Secs 22 + 27

40.17 Set a basalt pipe 16 x 12 x 6 ins., 11 ins in the ground, for 1/4 sec. cor., marked 1/4 in N. face, from which

A fir 24 ins diam. bears North 131 lots dist., marked 1/4 S. B. D.

A tamarack 10 ins diam. bears S 35° W. 123 lots dist., marked 1/4 S. B. D.

80,34 The cor. to Secs 21, 22, 27 + 28

Land mountain

Soil 2 sq. rods

Timber scattering fir, pine and tamarack

556

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

North bet - Sec's 21 + 22

Va. 27 1/2° E.

33.00 Bottom of gulch, about 150 ft deep, course N. N.

40.00 Put a basalt stone 12 x 8 x 6 in 8 in in the ground, for 1/4 sec. marked 1/4 in N. face, and raised a mound of stone along side

42.00 Top of ridge, about 150 ft. above gulch, course N. N.

50.50 Bottom of gulch, about 100 ft. below ridge, course N. N.

80.00 Put a basalt stone 16 x 10 x 4 in 11 in in the ground, for cor. to Sec's 15, 16, 21 + 22, marked with 3 notches on S. + E. edges, from which
A fir 12 in diam. bears N. 14° E. 32 ch dist., marked S 2 N. R 36 E. S 15 - B. J.
A pine 6 in diam. bears S. 35° E. 59 ch dist., marked S 2 N. R 36 E. S 22 - B. J.
A pine 2 8 in diam. bears S. 30° N. 133 ch dist., marked S 2 N. R 36 E. S 21 - B. J.

Subdivisions of T. 2 N. R. 36 E

Willamette Meridian, Oregon.

no other trees within limits and raised a mound of stone along side

Land mountainous
Soil stony 3/4 red
Timber scattering fir, tamarac
= oak + pine

East on a random line bet. Secs 15 & 22
Va. $19\frac{3}{4}^{\circ}$ E

Ascend about 25 ft. to

2.50 Top of ridge, course N.W.

Descend about 800 ft. to

33.00 Bottom of canon and dry bed of creek, course N.

40.00 Set temporary 1/4 sec. corner

80.76 Top of hill, about 800 ft. above canon, course N.

Intersect 40 lots S. of the Cor. to Secs

14, 15, 22 + 23

Thence I run

S. 89° 43' W. on a true line bet. Secs 15 + 22

40.38 Set a barrel stone 15 x 10 x 7 ins, 10 ins in

Subdivision of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

the ground. for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on
N. face, from which

A fir 24 in diam bears S. 85° E. 207 lds
dist., marked $\frac{1}{4}$ S. B. I.

no other tree within limits and
raised a mound of stones along side

80.76

The sec. to Secs 15, 16, 21 + 22

Land mountainous

Soil stony 3rd grade

Timber scattering fir, pine and
tamarack

Subdivision of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

I run the line to Secs 4, 5, 32 + 33 on the S. boundary, which is a basalt stone 16 x 12 x 6 in 11 in in the ground, marked with 4 notches on E. and 2 notches on W. edges with mound of stone alongside

I run

North bet. Secs 32 + 33

Va. 210 E.

Ascend about 100 ft. to

12.00 Top of ridge, course S.W.

28.50 Bottom of gulch, about 200 ft below ridge, course S.W.

40.00 Set a basalt stone 12 x 12 x 4 in 8 in in the ground, for 1/4 sec cor, marked 1/4 on W. face and raised a mound of stone alongside -

49.50 Top of ridge, about 200 ft above gulch, course S.W.

65.00 Bottom of gulch, about 250 ft below ridge, course S.W.

80.00 A point about 150 ft above gulch;

187560

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

Set a basalt stone 17x12x5 in, 11 in in the ground, for Cr. to Secs 28, 29, 32 + 33, marked with 1 notch on S. and 4 notches on E. edges, and raised a mound of stone alongside

Land mountain
Soil, sandy loam, 2nd rate
Timber, scattering fir + pine -

East on a random line bet. Secs 28 + 33
Va. $17\frac{1}{2}^{\circ}$ E.

Ascend

- 40.00 Set temporary 1/4 sec. cr.
- 65.00 Summit of ridge, about 1000 ft. above sec. cr., course N.
- 80.16 Intersect 30 W. S. of the Cr. to Secs 27, 28, 33 + 34

Thence down

S. $89^{\circ} 47' N.$ in a tree line bet. Secs 28 + 33

100.08 Set a basalt stone 19x13x8 in, 14 in

Subdivisions of T. 2 N. R. 36 E. 561

Willamette Meridian, Oregon.

80.16 in the ground. for $\frac{1}{4}$ sec. ex. marked
 $\frac{1}{4}$ on N. face, and raised a mound
of stone alongside
The loc. to Sec's 28, 29, 32 + 33

Land mountainous
Soil 2nd rate
Timber, scattering fir & pine -

North
Loc. Sec's 28 + 29
Va. $17\frac{1}{2}^{\circ}$ E.

31.50 Ascend about 300 ft. to
Top of ridge, course N. N.

40.00 Get a basalt stone $13 \times 13 \times 3$ in, 9 in
in the ground, for $\frac{1}{4}$ sec. ex., marked
 $\frac{1}{4}$ on N. face, and raised a mound of
stone alongside

74.00 Bottom of gulch, about 500 ft. below ridge.
Dry bed of creek, course N. N.

80.00 Get a basalt stone $18 \times 9 \times 6$ in, 12 in
in the ground, for loc. to Sec's 20, 21,

562

- 32 -

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

28 + 29, marked with 2 notches
on S. and 4 notches on E. edges,

From which

A pine 8 ins diam. bears S. 45° N. 168 lbs
dist. marked T 2 N. R 36 E. S 29. B. J.

A fir 15 ins diam. bears N. 15° W. 80 lbs
dist. marked T 2 N. R 36 E. S 20. B. J.

no other trees within limits and
raised a mound of stumps along side

Land mountainous

Soil 2 nd rate

Timber, scattering fir & pine,

Dense undergrowth of brush & such

September 29th 1882

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

East on a random line bet. Sec's 21 + 28
Va. 21° E.

32.50 Ascend about 500 ft. to
top of ridge, course N.

40.00 Set temporary 1/4 sec. cor.

46.00 Bottom of gulch, about 250 ft. below
ridge, course N.

80.65 Intersect 44 lks S. of the cor. to Sec's
21, 22, 27 + 28

Thence I run

S. 89° 41' N. on a true line bet. Sec's 21 + 28

40.32 Set a post 3 ft. long, 3 in square, 24 in
in the ground, for 1/4 sec. cor., marked
1/4 S. on N. face, from which

A fir 20 in diam. bears N. 55° W. 21 lks
dist., marked 1/4 S. B. J.

A fir 7 in diam. bears S. 25° E. 18 lks
dist., marked 1/4 S. B. J.

80.65 The cor. to Sec's 20, 21, 28 + 29

Sand mountainous. Soil 2nd rate

Timber, scattering pine, fir & tamarack

Dense undergrowth of fir & buck brush.

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

- North bet. Sec's 20 + 21
 Va. 21° E.
- Ascend along side hill
- 27.00 Top of ridge, about 100 ft. above cor. course N.
 Descend about 100 ft. to
- 36.75 Bottom of gulch, course N.
- 40.00 Set a basalt stone $12 \times 12 \times 5$ ins, 8 ins in
 the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on
 N. face, and raised a mound of stone
 along side
- 57.00 Top of ridge, about 150 ft. above gulch, course N.
- 72.00 Bottom of gulch, about 100 ft. below ridge, course N.
- 80.00 A point about 100 ft. above gulch;
 Set a basalt stone $18 \times 12 \times 12$ ins, 12 ins in
 the ground, for cor. to Sec's 16, 17, 20 + 21
 marked with 3 notches on S. and 4 notches
 on E. edges, and raised a mound of stone
 along side
- Land mountainous, Soil $\frac{3}{4}$ rate
 Timber scattering fir & pine

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

East on a random line bet. Sec's 16 + 21
Va. 210 E.

- 7.00 Top of ridge, course N.W.
- 26.50 Bottom of gulet, about 300 ft. below ridge;
Dry bed of creek, course N.W.
- 40.00 Out temporary 1/4 sec. cor.
- 43.50 Top of ridge, about 250 ft. above gulet, course N.W.
- 58.00 Bottom of gulet, about 100 ft. below ridge,
course N.W.

80.76 Intersect 75' line S. of the Cor. to Sec's 15,
16, 21 + 22

Thence I run

S 89° 28' N on a true line bet. Sec's 16 + 21

40.38 Out a basalt stone 13 x 10 x 8 in 9 in in
the ground, for 1/4 sec. cor., marked 1/4 on N.
face, and raised a mound of stone
along side

80.76 The cor. to Sec's 16, 17, 20 + 21

Land mountainous. Soil stony & loose
Timber, scattering pine, fir and
tamaracs

566
Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

From the cor to Secs 31 & 32 + I run

North bet - Sec's 31 + 32

Va. $17\frac{1}{2}^{\circ}$ E.

Descend about 700 ft. to

21.00 Foot of hill, course N.W.

26.00 Wagon road course N.W.

31.25 Meacham creek, 50' wide. runs N.W.

35.25 " " " " " N.E.

40.00 Put a basalt stone 16x8x6 in in the ground. for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face. from which

A pine 26 in diam bears N. 70° E. 22' cor. dist. marked $\frac{1}{4}$ S. B. I.

A fir 6 in diam. bears S. 80° W. 40' cor. dist. marked $\frac{1}{4}$ S. B. I.

44.00 Meacham creek, course N.W.

62.00 Graded road bed of the Baker City Railway line, course N. $30^{\circ} 45'$ W.

63.00 Ascend mountain

80.00 Put a post 4 ft. long, 4 in. square, 24 in in the ground. for cor. to Sec's 29, 30, 31 + 32, marked

Divisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

T 2 N. S. 29 on N.E.

R 36 E. S 32 on S.E.

S 31 on S.W. and

S 30 on N.W. faces, with 1 notch on S. and 5 notches on E. edges, from which a pine 12 in dia. bears S. 30° W. 203 lks dist., marked T 2 N. R 36 E. S 31. B. J.

A pine 10 in dia. bears N. 60° W. 220 lks dist., marked T 2 N. R 36 E. S 30. B. J.

no other tree within limits and raised a mound of stw around post

Land mountainous & level

Soil sandy loam & stony 2nd & 3rd strata

Trees scattering pine, fir and tamarack

Dense undergrowth of pine fir and buck brush

Subdivision 2 N. R. 36 E.

which is a post-4ft-long 4ms square
24ms in the ground marked

T2 N R36 E S32 on N.E.

T1 N R36 E S5 on S.E.

T1 N R36 E S6 on S.W.

T2 N R36 E S31 on N.W. faces with
5 notches on E + 1 notch on W edges

from which

a fir 26ms dia bears N70°E 8 lks dist-
marked T2 N R36 E S32 B.T.

a fir 32ms dia bears S35°E 9 lks dist-
marked T1 N R36 E S5 B.T.

a fir 30ms dia bears S33°W 35 lks dist-
marked T1 N R36 E S6 B.T.

a fir 10ms dia bears N63°W 12 lks dist-
marked T2 N R36 E S31 B.T.

568 Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

East

on a random line bet. Secs 29 + 32
Va. 20° E.

40.00

Ascend mountain
Set temporary 1/4 sec cor.

80.50

Intersect 55' W. of the Cor. to
Secs 28. 29. 32 + 33

Thence from

N. 89° 36' W. on a true line bet. Secs 29 + 32

40 25

Set a post 3 ft. long, 3 in square, 24
ins in the ground. for 1/4 sec cor., marked
1/4 S. on N. face, from which

A pine 6 in diam. bears N. 30° E. 28' W.
dist., marked 1/4 S. B. I.

A fir 7 in diam. bears S. 40° E. 35' W.
dist., marked 1/4 S. B. I.

80.50

The cor. to Secs 29, 30, 31 + 32

Land mountainous

Soil 2% rate

Timber, scattering fir + pine -

Dense undergrowth of fir, pine
+ buck brush

September 30 1882

Subdivisions of T. 2 N. R. 36 E 569

Willamette Meridian, Oregon.

West

in a random line bet. Sec's 30 + 31
Va 20° E.

Descend about 250 ft. to

7.50
8.50
10.60

Foot of hill, course N
Mason road, course N.W.
Intersect Baker City Railway line, course N.W.

20.60

Meacham creek, 50 lbs wide, run N.

20.75

Ascend hill

40.00

Get temporary 1/4 sec. cor.

92.10

Intersect N. boundary of township
at a point 75 lbs S. of the cor. to
Sec's 30, 31, 25 + 36 which is a post
4 in square, marked

T 2 N. S 30 in N.E.

R 36 E. S 31 on S.E.

R 35 E. S 36 on S.W. and

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

A cottonwood *Yucca diaua*, bears S. 65° N.

39 lbs dist., marked T 2 N. R 35 E. S 36 - B.D.

And a mound of stone around post

Thence I run

S. 89° 32'

E. on a true line bet. Sec's 30 + 31

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

52.10 Set a basalt stone $15 \times 10 \times 12$ in, 10 in in the ground, for $\frac{1}{4}$ sec. ev., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside.

92.10 The loc. to Decs 29, 30, 31 + 32

Land mountainous except 13.25 chs on creek bottom -

Soil, sandy loam + stony 2nd + 3rd rates
Timber, scattering fir + pine

North bet. Decs 29 + 30

Var. 20° E.

Along steep side hill

40.00 Set a basalt stone $16 \times 14 \times 8$ in, 11 in in the ground, for $\frac{1}{4}$ sec. ev., marked $\frac{1}{4}$ on N. face, from which a pine 15 in diam., bears N. 45° E. 160 yds dist., marked $\frac{1}{4}$ S. B. I.

no other tree within limits and raised a mound of stone alongside

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

- 64.00 A spring branch, 2 lbs wide. runs N.
- 80.00 Set a basalt stone 12 x 10 x 6 ins, 8 ins in the ground. for cor. to Secs 19, 20, 29 + 30. marked with 2 notches on S. and 5 notches on E. edges. from which a fir 7 ins diam. bears S. 89° E. 55 lbs dist. marked S 2 N. R 36 E. S 29. B. I. no other trees within limits and raised a mound of stone alongside

Land steep + mountainous
 Soil stony 3/4 rate
 Timber scattering fir + pine.
 Good bunch grass

372 Subdivision of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

East

on a random line bet. Secs 20 + 29
Va. $19\frac{3}{4}^{\circ}$ E.

Ascend mountain

40.10 Set temporary $\frac{1}{4}$ sec. cor.

63.75 Top of ridge, about 800 ft. above sec. cor.,
course N.W.

76.50 Bottom of gulch, about 500 ft. below ridge;
Dry bed of creek, course N.W.

80.32 Intersect 25' line S. of the cor. to Secs
20, 21, 28 + 29

Thence down

S. $89^{\circ}49'$ N. on a true line bet. Secs 20 + 29

40.16 Set a basalt stone $14 \times 9 \times 8$ ins 9 ins in
the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on
N. face, and raised a mound of stone
alongside

80.32 The cor. to Secs 19, 20, 29 + 30

Land mountainous

Soil 2' of rats

Timber, scattering fir & pine

Subdivisions of T. 2 N. R. 36 E. 573

Willamette Meridian, Oregon.

Knowing that I will strike the Umatilla Indian Reservation, in less than a mile I run West on a true line bet. Lee's 19+30

Va. $19\frac{3}{4}^{\circ}$ E.

Descend mountain

20.00 Foot of hill. about 700 ft. below cor., N.

20.25 Intersect Graded road bed of the Baker City Railway line. course $N10^{\circ}$ E.

21.00 Wagon road. course $N.10^{\circ}$ E.

23.50 Meacham creek, 50 lds wide. runs N.

33.00 Ascend mountain, course N.

40.00 Set a basalt stone $15 \times 10 \times 9$ ins, 10 ins in the ground. for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face. from which

A fir 14 in diam. bears $N.40^{\circ}$ E. 28 lds dist., marked $\frac{1}{4}$ S. B.D.

A fir 20 in diam. bears $S.30^{\circ}$ E. 13 lds dist., marked $\frac{1}{4}$ S. B.D.

I can find no trace of the Line to the Umatilla Indian Reservation I therefore discontinue this line at

574

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

this point -

Land mountainous except 13.00 ch
on Meacham creek, which is level.

Soil, sandy loam + stony 2nd + 3rd rate
Timber scattering fir + pine

North

bet - Dec's 19 + 20

Va 19 $\frac{3}{4}$ ° E.

26.50

Bottom of gulch, about 300 ft. below sec.
cor. course N.

40.00

Set a basalt stone 13 x 9 x 5 in, 8 in in the
ground. for 1/4 sec. cor. marked 1/4 on
N. face, and raised a mound of stone
along creek

41.50

Top of ridge, about 200 ft. above gulch. course N.

58.00

Bottom of gulch, about 200 ft. below ridge. course N.

80.00

Top of ridge, about 300 ft. above gulch. course N.;

Set a post 4 ft. long, 4 in square, 24 in
in the ground. for Cor. to Dec's 17, 18, 19 +

20 marked

Subdivisions of T. 2 N. R. 36 E. 575
Willamette Meridian, Oregon.

S 17 on N.E.
R 36 E. S 20 on S.E.
S 19 on S.W. end

S 18 on N.W. faces, with 3 notches on
S. and 5 notches on E. edges, from which
A five 6 in diam. bars N. 53° E. 100 lks
dist., marked S 2 N. R 36 E. S 17. B.D.
A five 7 in diam. bars S 20° E. 55 lks
dist., marked S 2 N. R 36 E. S 20. B.D.
A five 5 in diam. bars S. 60° N. 4 lks
dist., marked S 2 N. R 36 E. S 19. B.D.
A five 6 in diam. bars N. 50° W. 57 lks
dist., marked S 2 N. R 36 E. S 18. B.D.

Land mountainous
Soil stony 3rd rate
Timber scattering fir & pine
Good bunch grass

576

Subdivisions of T. 2 N. R. 36 E.

Willamette Meridian, Oregon.

East

in a random line bet Secs 17 + 20
Va 16° E

17.50

Descend about 300 ft. to
Bottom of gulch; a brook, 5' wide
wide, runs N. N.

40.00

Set temporary 1/4 sec. cor.

81.68

A point on side hill, about 600 ft.
above brook; Intersect 75' W. S.
of the Cor. to Secs 16, 17, 20 + 21 -

Thence I run

S. 89° 28' N

in a true line bet. Secs 17 + 20

40.34

Set a basalt stone 17 x 9 x 8 ins, 11 ins in the
ground, for 1/4 sec. cor., marked 1/4 on
N. face. And raised a mound of stone
alongside

80.68

The cor. to Secs 17, 18, 19 + 20

Land mountainous

Soil, stony 3rd rate

Timber, scattering pine & fir

October 1st 1882

Subdivisions of T. 2 N. R. 36 E. 577

Willamette Meridian, Oregon.

— General Description —

This township is rough and mountainous. The soil is 2nd + 3rd rate. The Baker City branch of the Oregon Railway and Navigation Co's Railroad, runs along Meacham creek, through the western part of this township, and there is room for several settlers along Meacham creek. There is pine, fir + tamarack timber over the entire township; it is mostly scattering but quite dense in places.

There is an excellent growth of bunch grass over the township and it is splendid grazing land.

The portion of this township which I have left unsurveyed is very rugged and broken, being cut up with deep rocky canyons, that are almost impassable. I found no settlers in this township.

H. D. Graden

U.S. Deputy Surveyor

580

FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by Heman
H. Gradon, 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 subdivisional
Range 36 East lines of Township 2 North
Willamette Meridian, Oregon,
showing the respective capacities in which they acted :

-, Compassman.
- Abraham Blanchard, Chainman.
- Henry King, Chainman.
-, Chainman.
-, Chainman.
- Geo. W. Huitt, Axeman.
-, Axeman.
-, Flagman.

FINAL OATHS OF ASSISTANTS

We hereby certify that we assisted Heman
Gradon, U. S. Deputy Surveyor, in surveying all
those parts or portions of the subdivisional lines
Range 36 East of Township 2 North
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.
- Abraham Blanchard, Chainman.
- Henry King, Chainman.
-, Chainman.
-, Chainman.
- Geo. W. Huitt, Axeman.
-, Axeman.
-, Flagman.

Subscribed and sworn to before me, this 2nd day of
October

[SEAL.]

H. Gradon
Notary Public

FINAL OATH OF DEPUTY SURVEYOR.

I,

Herman D. Gradon

United States Deputy Surveyor do solemnly swear that in pursuance of in-

structions received from

James C. Tolman

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

16"

day of

June, 188*2*, 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

*subdivisional lines of**T 2 N. Range 36 East*

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.

Herman D. Gradon

U. S. Deputy Surveyor.

Subscribed and sworn to before me, this

22d

day of

*December*188*2**Bamford Robb**Notary Public*

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Office U. S. Surveyor General,

Portland, Oregon, *March 31, 1883*

The following Field Notes of the Survey of the

*Subdivisions of T. 2 N. R. 36 E.,
Will Mer., Oregon*

executed by *Herman D Gradou*

under his Contract No. *457*, dated *June*

16th, 188*2*, 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.

