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Office U. S. Surveyor General

Portland, Oregon, Sept 20 1878

George S. Pershin

U. S. Deputy Surveyor.

1. SIR:—In prosecuting the surveys embraced in your contract No. 305 dated Sept 20, 1878, which must be executed by you in person or under your direct personal supervision, you are required strictly to adhere to the system of public surveys, and comply with the Manual of Printed Instructions, with the exceptions hereinafter mentioned:

2. In addition to the manner of establishing corners of public surveys by mounds of earth with deposits at the point of the corner, you are required to drive in the center of one of the pits at each Section and Township corner, sawed or hewed stakes, not less than two inches square and two feet in length; said stakes to be marked in the manner prescribed in the Manual for marking corner posts, and to be driven one foot in the ground. At corners common to four Townships or Sections, the stakes are to be driven in the pit southeast of the mound, and at corners common to two Townships or Sections, they are to be driven in the pit east of the corner. This requirement does not apply to quarter-section corners.

3. In all cases where stones are used for corners, you will dig pits in the same manner as for corners, marked by posts and mounds.

4. In surveying lands bounded by waters affected by the ebb and flow of tides, you will extend the lines of surveys to high water mark only.

5. Where it becomes necessary to meander a stream, you will meander both banks of the same, instead of one bank as required by the Printed Manual of Instructions.

6. In the execution of your work you will be particularly careful not to extend Township lines from north to south, but to commence in every instance from a proper standard-line, and work from south to north as required by the Manual.

7. No lands shall be surveyed except—

- I. Those adapted to agriculture without artificial irrigation.
- II. Irrigable lands, or such as can be redeemed, and for which there is sufficient accessible water for reclamation and cultivation of the same not otherwise utilized or claimed.
- III. Timber lands, bearing timber of commercial value, foreign or domestic.
- IV. Coal lands, containing coal of commercial value.
- V. Exterior boundary of town sites.
- VI. Private land claims.
- VII. You will survey no lands which subserve merely pastoral or grazing interests.

8. This office is instructed in letting contracts for the subdivision of the public lands, to stipulate the condition that the survey must include all the lands in the Township contracted for subdivision which are by law classed as surveyable, and not to contract for fractional townships simply to cover the full amount of any liability.

9. Except in case of triangulation, you will be required to start from the proper base or standard parallels. If these last shall not have been established that must first be done, and then, if there are no exterior lines of the Township surveyed, you must first survey them, and finally subdivide the Township into Sections, running, measuring and marking the line from south to north, except where by reason of impassable objects the south boundary of a Township cannot be established an east and west line should be run through the Township, first random and then corrected, from one range line to the other, and as far south as possible, and from such line extend the Section lines north in the usual manner, except over any fraction south of said line which may be surveyed in the opposite direction from the Section corners on the auxiliary base thus established.

10. In cases where Townships have formerly been partly surveyed, and you are required to complete the same, you will, in your field notes, fully describe the old corners identified by you, and from which you start in the completion of your surveys, giving the kind of corner, bearing trees, and other witnesses to the same, so that there need be no doubt as to the corner from which additional surveys are initiated.

11. In cases where only exterior lines have been run, and you are required to subdivide a Township, you will either describe particularly all the corners on the south Township line from which you start, and the

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corners on the east, north and west Township lines upon which you close; or, if you find such corner corresponding to the description furnished you by this office, then you must state that fact in your field notes; and if a corner on a Township line should be re-established by you your field notes must show in what manner you have done the work. No mountains, swampy lands, or lands not classed as surveyable by law, are to be meandered. All lines approaching such lands must be discontinued at either the Section or Quarter Section corners.

12. In all lines, including *meander lines*, you will be particular to state in your field notes whether the land is mountainous or heavily timbered, between the corners and at the line.

13. When you meet with insuperable objects on line, and are obliged to make offsets by right angles, or traverse, or trigonometrical operations, you will make the notes full and explicit in the proper place, in the field book, stating the distance over such obstacle.

14. If you find it necessary or proper to change or modify your contract after arriving in the field, such as the substitution of an arable for an unarable Township named in the contracts, you must immediately report the same to this office and obtain the consent of your sureties to such change.

15. Instead of squaring the posts on the top and making a cross line, you will chamfer off the sides of the posts that are squared or flattened, to a point, at an angle, with the sides of 45° . The angles that were formed by the chamfering will occupy the same position on line as the lines would on the squared top of the stakes.

16. You will be required to use "Burt's Improved Solar Compass," or some other instrument equivalent to it, in surveying Township lines, and also in subdividing, where the variation of the needle is irregular.

17. The variation of the needle must be noted at each Section corner preceding the notes of measurements, and intermediate between Section corners if there is found any material change of variation; state the variations at the proper place on the map you return to this office.

18. Any excess or deficiency in the length of any Township boundary line, or excess of error in the falling off from the corner to which any section line shall be run that may exceed four chains, or any excess or deficiency exceeding one hundred links in the length of any section line, or excess of error in the falling off from the corner to which any section line shall be run, that shall exceed one hundred links, in closing the lines of a whole Section, and at the same rate for the Section lines, and at the rate of one chain and twenty-five links per mile of the meanders of a navigable river or other water course, with the line or lines of a fractional Section, must be corrected by you and reduced within those limits before leaving the ground, by remeasuring the line or lines which may have occasioned the excess or deficiency in the length of such Township or Section lines, or excess of error in closing the lines of a Township or of a whole or fractional Section, and state at length all of your proceedings in making such correction in the proper place in your field book.

19. In all cases the courses of closing lines, that is, corrected random lines, should be given in the field notes and placed on the maps returned to this office, and the **full field notes** are to appear on the true or corrected lines.

20. Whenever a distant and distinctly prominent mountain spur, peak, ridge, or any other interesting object attracts attention on either side of your line of surveys, you will aim to select some peculiar and distinguished point or part of it for a sighting object, providing the same can be viewed from any other station on the line of your surveys so as to admit also of taking an angle or bearing of such object from three or more points, carefully noting the same in your field book, in the proper place, noting all the particulars and description of the object. (Pay careful attention to requirements under this head on pages 18 and 19 of the Manual.)

21. The diagrams mentioned on the 16th page of the printed instructions will be on scale of two inches to the mile for the lines of each Township subdivided. You will also return a connected map on the scale of three miles to the inch, showing the Exterior lines of Townships surveyed by you.

22. You will be required to make return of your field notes in person; and if there are any blots, blurs, or interlineations in your original field notes, or if they are not plainly or legibly written, you will be required to make a full and correct copy of the same in a neat and distinct manner returning the original notes with the copy, accompanied with your affidavit that the copy is correct and true of the original.

23. In prosecuting your surveys under your contract before named, you are instructed to ascertain from the best information you can obtain, and your own observation, the extent of country lying contiguous to, and in the vicinity of your work, which is or may become settled, and report the same to this office from time to time during the progress of your work *At the close of each day's work you will note the date in your field notes.*

24. Any field notes returned to this office unaccompanied by the proper plats will be returned to the Deputy for correction, the same as in any other error.

James C. Tolman
U. S. Surveyor General, Oregon.

FIELD NOTES

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Of the survey of the *Subdivisional*

Lines of Township *3 North Range*

36 E. Willamette Meridian, Oregon.

Executed by *George J. Pershin*

U. S. Deputy Surveyor, under his Contract

No. *305* dated *Sept 20* 1878

List of the names of the persons employed to assist in running, measuring and marking the lines of the foregoing survey.

Herman J. Gradow Chainman.

Marion O'Harra Chainman.

..... Chainman.

Sanford Shaw Axeman.

..... Axeman.

..... Compassman.

..... Flagman.

PRELIMINARY OATHS OF ASSISTANTS.

We, Hermon D. Gradon and Corrington S. Newell & Marion O'Barra

do solemnly swear that we will faithfully execute the duties of Chain Carriers, that we will level the chain upon uneven ground, and plumb the tally pins, whether 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.

Hermon D. Gradon Chainman.
Corrington S. Newell Chainman.
Marion O'Barra Chainman.

Subscribed and sworn to before me, this 26th

day of September 1878

J. J. Linnallen
a Justice of the Peace

at Sanford Shaw and

do solemnly swear that ~~we~~ ^I will well and truly perform the duties for which ~~we~~ ^I have been ~~severally~~ ^{severally} employed according to instructions and to the best of ~~our~~ ^{my} skill and ability.

Sanford Shaw

Subscribed and sworn to before me, this 26th

day of September 1878

J. J. Linnallen
a Justice of Peace for the
County of Marquette in
the State of Wisconsin

INDEX.

Referring the lines to the pages of the field notes.

Town. 31 Range 36 E Willamette Meridian.

| | | | | | | | | | | | | |
|----|----|----|----|---|----|----|----|----|----|----|----|----|
| 55 | | 6 | 54 | 5 | 46 | 4 | 44 | 3 | 30 | 2 | 18 | 1 |
| | 53 | | 48 | | 45 | | 42 | | 29 | | 17 | |
| | 7 | | 49 | 8 | 47 | 9 | 43 | 10 | 28 | 11 | 16 | 12 |
| | 52 | | 50 | | | | 41 | | 27 | | 15 | |
| 56 | 18 | 51 | 17 | | 16 | 38 | 15 | 26 | 14 | 14 | 13 | |
| | | | | | | 38 | 37 | | 25 | | 13 | |
| | 19 | | 20 | | 21 | 36 | 22 | 24 | 23 | 12 | 24 | |
| | | | | | | 40 | 35 | | 23 | | 11 | |
| | 30 | | 29 | | 28 | 34 | 27 | 22 | 26 | 10 | 25 | |
| | | | | | | 39 | 33 | | 21 | | 8 | |
| | 31 | | 32 | | 33 | 32 | 34 | 20 | 35 | 7 | 36 | |
| | | | | | | 31 | | 19 | | | | |

For the purpose of comparing my running and chaining with that of the Exterior Boundaries of this Township, and also to ascertain if there are any material errors in the Survey of the Exterior Boundaries. I begin at the corner to Sections 11 and 12 on the East Boundary of this Township No 3 North Range 36 East; and with Burt's Improved Solar Compass I carefully run and measure a blank line.

South along the East Boundary of Section 12

Pa 16° East

79.60 To a point 5 lks East of Stone corner to Sections 12 and 13 then South along the E. Boundary of Section 13

Pa. 15° East

79.20 To a point 33 lks west of corner
to sections 13 and 24 thence
South along the East Bound-
ary of sec. 24
Pa. 20° East

76.48 To a point 75 lks west of
corner to sec. 24 and 25 showing
an error of 352 lks in the
length of this line
September 27, 1878
South on the East Bound-
ary of sec. 25
Pa. 20° East

79.65 To a point 45 lks west of
corner to sec. 25 and 36. thence
South along the East-Boundary
of section 36
Pa. 20° East

79.80 To a point 65 lks west of corner
to Townships 2 and 3 North
Ranges. 36 and 37 East showing
a difference in measurement

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Subdivisions of Township No. ^{North} 3 South Range 36
East Willamette Meridian, Oregon.

of 5.27 lks in the 5 miles
land but a small difference
in coursing. Thence

West on a blank line along
the South Boundary of
Section 36

Pa. 21° East

79.48 To a point 14 lks North
of Stone corner to sections
35 and 36 on the South
Boundary of the Township
Stone was very poorly
marked. It should
have had a Stone mound
built around it. Stone
mounds make the most
permanent monuments in
this part of the country.

X
Having sufficiently tested the
Exteriors and found the

Starting point for subdivi-
ding, and with Burts
Improved Solar Compass
I run
North between sections 35 and 36
Ba. $18^{\circ}\frac{3}{4}$ East

33.00 Top of ridge Extending N.W. & S.E. + 500
and enter timber

40.00 Set Fir post on N.E. Side of - 150
ridge for $\frac{1}{4}$ sec. cor. from which a
Tamarack .16 in. diam. brs. N. 5° E. 17 lks. dist

" " 12 " " " West 33 " "

43.50 Spring branch course N.W. - 50
and leave timber N.W. & S.E.

77.00 Top of ridge, course N.W. & S.E. + 100
Enter timber

80.00 A Fir 5 in diam on East side - 80
near top of ridge for corner
to sections 25, 26, 35 and 36

A Fir 8 in diam. brs. N. 50° E. 80 lks dist

" " 12 " " " S. 18° E. 140 " "

" " 10 " " " S 61° N. 100 " "

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Subdivisions of Township No. 3 North South Range 36
East Willamette Meridian, Oregon.

No other tree convenient

Land: Surface Mountainous;
Soil 3rd rate part 2nd rate; Some
good timber. Fir. Tamarack
and Pine. Some Willow
and several other kinds of
underbrush for which I
do not know any name
good bunch grass on
open ground

September 28th 1878

East on a random line
between Sections 25 and 36

Pa. 16° 30' East.

4000 Set post for temporary 1/4 Sec. Cor.
79.84 Intersected East Boundary
8 lks North of corner to sections
25 and 36 from which
corner I run

A. 89° 57' West on a true
line between Sec. 25 and 36

Subdivisions of Township No. 3 North South Range 36
East Willamette Meridian, Oregon.

Qa 20° East

- 1.50 Top of ridge course N.W. & S.E. + 10
- 28.00 Enter Timber N.W. & S.E. - 350
- 38.00 Top of ridge N.W. & S.E.
and leave timber + 250
- 39.92 Set Stone 15 x 10 x 4 on S.W. hill-
side for 1/4 sec. cor. from which
A Pine 20 in. diam brs. N. 27° E 127 lbs dist
- 53.00 Ravine & Spring-branch. N.W. - 300
and Enter timber N.W. & S.E.
- 79.84 The corner to sections 25, 26, + 400
35, and 36

Land: Surface mountainous
Soil 3rd and 2nd rate, good timber
on North and N.E. hillsides
Fir, Tamarack and Pine
South and S.W. hillsides open
and good bunch grass.
Sec. 36 is mostly mountainous
the S.E. 1/4 is mostly nearly
level and is nearly all covered
with good timber

462 Subdivisions of Township No. 3 ^{North} South Range 36
 East Willamette Meridian, Oregon.

North between sections 25 and 26

Pa. $16^{\circ} 30'$ East

Down along East side of ridge

40.00 Set Stone $14 \times 10 \times 5$ on steep East - 250

hillside for $\frac{1}{4}$ Sec. cor. from which

a Pine 8 in. diam. brs. $S 36^{\circ} E$. 88 lbs. dist

" Fir " " " $S 43^{\circ} N$. 100 " "

80.00 Set Stone $12 \times 10 \times 8$ on steep - 350

East hill-side for corner to

Sec. 23. 24. 25 and 26 from which

A Fir 8 in. diam. brs. $S 46^{\circ} N$. 68 lbs. dist.

" Pine 20 " " " $N. 45^{\circ} N$. 148 " "

No other trees near in sec. 24 & 25

Land; Surface Mountainous;

soil 3^{rd} & 2^{nd} rate; Timber

good in most of this mile

Fir Tamarack and Pine

some underbrush; good Bunch

grass in opening

East on a random line between sec. 24 and 25

Pa. $22^{\circ} 15'$ East

- 40.00 set post for temporary $\frac{1}{4}$ sec. cor.
80.26 Intersected E. Boundary 36 lks
North of cor. to sec. 24, and 25 from
which corner. I run
N. $89^{\circ} 45'$ West on a true line
between sec. 24 and 25.
Pa. 20° East
- 12.00 Spring-branch & timber course North. - 200
35.00 Top of ridge N. & S. leave timber + 350
40.13 Set stone $16 \times 8 \times 5$ on west hillside - 50
in mound of stone for $\frac{1}{4}$ sec. cor
59.00 Brook 4 lks. wide course north - 600
80.26 The cor. to sec. 23, 24, 25 and 26 + 600
- Land: Surface Mountainous; soil
 3^{rd} & 2^{nd} rate; some good timber
Fir Tamarack & Pine; Willow and
other underbrush; good bunch
grass in openings. About $\frac{1}{4}$
of sec. 25 is covered with timber.
Standing in groves on North and
N.E. hillsides

September 30th 1878

North between sec. 23 and 24

Pa. $22^{\circ} 15'$ East.

Down along east side of ridge

40.00 Set Fir post on East side of ridge
for $\frac{1}{4}$ sec. cor. from which - 650

A Fir 8 in. diam. brs. N. 10° E. 52 lbs dist

" " 10 " " " N. 22° W. 60 " "

49.50 Brook 6 lbs wide course N. W. - 150

52.00 Clark Harrington's House brs. N. 33° E

64.50 Womatilla River 80 lbs. wide Co. West - 80

66.50 Road. E & W. leads from Pendleton
to La Grand. C. H.'s House brs. East

71.00 Steep bluff East & West

80.00 Set Stone $15 \times 10 \times 7$ on N. E. side + 200

of spur for cor to sec. 13. 14. 23

and 24, drove stake and

raised mounds of stone around
stake and stone in lieu of
pits.

Land. Surface Mountainous, Soil

3^{rd} & 2^{nd} rate small part on river 1^{st} rate
some good timber. Fir. Pine and tamarack.
good bunch grass. Willow & other underbrush

East on a random line between sec. 13 and 24

Pa. $18^{\circ} 45'$ East

4000 Set post for temporary $\frac{1}{4}$ sec. cor.
79.80 Intersected E. Boundary 395 lks

North of post corner to sec. 13 and
24 from which corner I run

N. $87^{\circ} 11'$ West on a true line
between sections 13 and 24

Pa. 20° East

5.50 Cross ridge to N.W. side - 40

37.00 River Bottom N.E. & S.W. - 800

39.90 Set Stone $12 \times 10 \times 10$ for $\frac{1}{4}$ sec. cor.

A Fir 30 in. diam. brs. S. 5° E 34 lks dist

" Alder 4 " " " N. 44° W. 24 " "

51.00 Comella 75 lks. Wide course N.W.

65.00 Steep bluff N.E. & S.W.

79.80 The cor. to sec. 13, 14, 23 and 24 + 200

Land: Surface mountainous
Soil 3rd 2nd & small part on river
bottom 1st rate; some good timber
Fir, Tamarack Pine and Balm;
Alder & Willow underbrush; grass in
open glades.

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Subdivisions of Township No. 3 North South Range 36
East Willamette Meridian, Oregon.

North between Sections 13 and 14

Pa. $18^{\circ} 45'$ East

up irregular. East hillside

40.00 Set Stone $14 \times 12 \times 4$ on North side + 350
of ravine for $\frac{1}{4}$ sec. cor.

A Pine 16 in. diam. brs. S 64° E. 30 lbs. dist

73.00 Enter timber N. E. & S. W.

80.00 Set post on top of bluff for cor. + 700

to Sec. 11. 12. 13 and 14 from which

A Fir 11 in. diam. brs. N. 76° E. 20 lbs dist

" " 11 " " " S 54° E 30 " "

Maple 6 " " " S 22° N. 30 " "

Fir 6 " " " N. 38° W. 33 " "

Land: Surface steep bluff:

Soil 3^{rd} rate small part on top
of bluff 1^{st} rate; good timber
on N. 7 chs Pine, Tamarack
and Fir, good bunch grass
on open ground

October 1st 1878

East on a random line between Secs. 12 and 13
Pa. 22° East

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

79.10 Intersected E. Boundary 468 lks
North of stone cor. to sec. 12 and
13 from which cor. I run
N. 86° 39' West on a true line
between sec. 12 and 13

Pa. 15° East

39.55 Set Stone 16 x 8 x 5 on rocky + 400
point for $\frac{1}{4}$ sec. cor.

74.00 Enter timber N. E. & S. W.

79.10 The cor to sec. 11. 12. 13. and 14 + 250

Land: Surface mountainous;
Soil 3rd rate. Small part on
top of bluff 1st rate; good
timber on West 5 chs Pine.
Tamarack and Fir. Willow
underbrush; good bunch
grass on open hillside

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Subdivisions of Township No. 3 ^{North} South Range 36
East Willamette Meridian, Oregon.

North between sections 11 and 12

W. 22° East

40.00 Set Spruce post for 1/4 Sec. cor.

A Fir 14 in. diam. brs. N. 76° E. 94 lks dist

" " 9 " " " S. 45° W. 32 " "

67.50 Road to timber E and W.

80.00 Set Tamarack post for corner to Sec. 1, 2, 11 and 12

A Fir 15 in. diam. brs. N. 16° E 90 lks dist

" " 15 " " " S 22° E 121 " "

" " 12 " " " S 34° W. 84 " "

" " 12 " " " N. 22° W 112 " "

Land: Surface rolling; soil 2nd and 1st rate good timber Tamarack Fir Pine and Spruce; some Willow and other underbrush

Oct. 2' 1878.

Subdivisions of Township No. 3 North South Range 36 East Willamette Meridian, Oregon.

Cast on a random line between sec. 1 and 12
Pa. 21° East

40.00 set post for temporary 1/4 sec. cor.
79.04 Intersected East Boundary 508 lks
North of corner to sections 1 and
12 from which corner I run
N. 86° 22' West on a true
line between sec. 1 and 12

Pa. 16° East

4.00 Enter timber N. & S.
39.52 Set Fir post for 1/4 sec. cor.
A Tamarack 12 in. di. brs. North 30 lks dist
" " " 14 " " " S 32° W. 27 " "

79.04 The cor to sec. 1, 2, 11 and 12
Land: surface rolling;
Soil. 2nd and 1st rate; good
timber, Tamarack, Fir
and pine; Willow and
other underbrush.
Section 12 is nearly all
well timbered and good
soil

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Subdivisions of Township No. 3 North South Range 36
East Willamette Meridian, Oregon.

North on a random line between sec. 1 and 2
Pa. 21° East

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

75.25 Intersected North Boundary

78 lks East of cor to sec. 1 and
2 from which cor. I run

$S 0^{\circ} 33'$ East on a true line
between sections 1 and 2

Pa $19^{\circ} 30'$ East

35.25 A Tamarack 4 in. diam. for
 $\frac{1}{4}$ sec. cor. from which a

Fir 16 in. diam. brs N. 32° E 17 lks dist

" 12 " " " S 52° W. 26 "

75.25 The cor to sec. 1, 2, 11, and 12

Land: surface rolling; soil
2nd and 1st rate mostly good
timber; has been very much
cut away in places Tamarack
Pine and Fir; some
Willow and other underbrush
Section 1 has some very good
timber yet Oct 3rd 1878

After diligent and careful search I can find no trace of corner to sections 34 and 35. I therefore return to the corner of sections 35 and 36 and I run West along the south Boundary of Sec. 35
 Va. $18^{\circ} 45' E$

- 37.50 Spring branch course S. W. - 450
 - 58.00 " " " " S. W. - 100
 - 71.00 Brook 20 lbs wide course
 N. W. also enter timber - 100
 - 80.00 Set 8 Stone $14 \times 10 \times 7$ on North + 80
 hillside for corner to sec
 34.35.2 and 3, from which
 - A Fir 12 in. diam. brs. N. $82^{\circ} E$ 164 lb dist
 - " Pine 14 " " " S. $80^{\circ} E$ 167 " "
 - " " 4 " " " S $72^{\circ} N$. 21 " "
- No tree in sec. 34

North between sec. 34 and 35
 Pa. 20° East

6.00 Brook 20 lks wide course st. N - 75
 40.00 Set Stone 16x12x4 on south
 hillside for 1/4 sec. cor. + 200
 59.00 One Spur extending west + 400
 70.00 Ravine opens west - 200
 80.00 Set Stone 15x10x6 on south + 300
 face of hill for cor. to sec
 26. 27. 34. and 35. drove
 stake and raised mounds
 of stone around stake and
 stone in lieu of pits

Land: surface Mountainous
 soil 3rd rate some timber
 south of brook. North of
 brook open hillside
 good bunch grass

East on a random line between sec. 26 and 35-
Bearing 20° East-

40.00 Set post for temporary 1/4 sec. cor.
79.68 Intersected N. and S. line 24 lks
North of corner to sections
25. 26. 35 and 36 from which cor. I run
N. 89° 50' West on a true line
between sections 26 and 35

Bearing 16° 30' East-

3.00 on ridge course N. and S + 50
34.00 Brook 3 lks. wide course North - 500
39.84 Set Stone 15x8x6 on East side + 150
of ridge for 1/4 sec. cor.
66.00 on ridge course N. W. & S. E + 300
79.68 The cor to sec. 26. 27. 34 and 35 - 200

Land: Surface Mountainous;
Soil 3rd rate. Some timber
Fir and Tamarack; good
bunch grass

Oct. 4th 1878

North between Sec. 26 and 27

Pa. 20° East

| | | |
|-------|--|-------|
| 11.00 | On ridge extending N. W. | + 200 |
| 21.00 | Ravine " N. W. | - 200 |
| 40.00 | Set Stone 18 x 8 x 5 on S. W. face | - 80 |
| | near top of ridge for 1/4 Sec. Cor. | |
| 43.00 | On ridge N. W. & S. E | + 20 |
| 62.50 | Spring-branch course N. 15° W. | - 500 |
| 80.00 | Set Pine post on west hillside | + 100 |
| | for cor. to Sec. 22, 23, 26 and 27 | |
| | A Fir 8 in. diam. brs N. 60° E 23 lks dist | |
| " " | 10 S 60° E 17 " | ✓ |
| " " | 8 S 41° W. 14 " | " |
| " " | 8 N. 10 W. 8 " | " |

Sand: Surface Mountainous;
Soil 3rd and 2nd rate; good timber
in places, Fir Tamarack & Pine
good Bunch grass in open glades

Subdivisions of Township No. 3 ^{North} South Range 36
East Willamette Meridian, Oregon.

475

East on a random line between Sec. 23 and 26

Pa. 15° 30' East

40.00 Set post for temporary 1/4 Sec. cor.

79.64 Intersected N. and S. line 28 lbs
North of cor. to Sec. 23, 24, 25 and 26
from which Cor. I run

N. 89° 48' West on a true line between
Sections 23 and 26.

Pa 22° 15' East

41.00 On ridge N. & S. + 100

39.60 Brook 6 lbs wide course North - 550

39.82 Set Stone 18x10x7 on west side of
and near brook for 1/4 Sec. cor.

A Palm 10 in. diam. brs. N. 36° E. 47 lbs dist

" Fir. 18 " " " S. 20° E 11 " "

65.00 On Spur extending north + 500

79.64 The cor to Sec. 22, 23, 26 and 27 - 500

Sand; Surface very broken and
mountainous; soil 3rd rate; scattering
small groves of good timber; Pine Fir
and Tamarack; good grass in openings
About 1/4 of sec. 26 is covered with timber

North between Sections 22 and 23

Pa. $15^{\circ} 30'$ East.

Down Point of ridge

- 28.00 Wmatilla River 80 lbs. wide course N.W. - 500
- 32.00 Road E. and W. Pendleton to La. Grand
- 36.00 Steep bluff course E and W.
- 40.00 Set Stone $17 \times 10 \times 6$ on steep South + 80
 hillside for $\frac{1}{4}$ Sec. cor. from which
 a. Pine 18 in. diam brs. N. 5° E. 130 lbs. dist.
- 79.50 Spring branch course S.E.
- 80.00 Set Stone $16 \times 10 \times 6$ on s.w. hill + 200
 side above ravine for corner to
 Sec. 14, 15, 22, and 23 drove stake
 and raised mounds of stone around
 stone and stake in lieu of pits
- Land: Surface Mountainous.
 Soil 3rd rate some 1st rate on river
 bottom. Some good timber south
 of and in river bottom. Pine. Fir
 Tamarack and Balw; some Willow
 and other underbrush; good grass.

Oct 5th 1878

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
East Willamette Meridian, Oregon.

477

East on a random line between sec. 14 and 23

Pa. $20^{\circ} 30'$ East

- 40.00 Set post for temporary $\frac{1}{4}$ Sec. Cor.
79.22 Intersected N. and S. line 58 lbs North
of cor to sec 13, 14, 23 and 24. from
which cor. I run
N. $89^{\circ} 35'$ West on a true line
between sec. 14 and 23.

Pa. $18^{\circ} 45'$ East.

- 38.50 Ravine course South
39.61 Set Stone $20 \times 12 \times 4$ on East hillside + 50
for $\frac{1}{4}$ Sec. cor.
79.22 The cor. to sec. 14, 15, 22. and 23
Land; surface very broken and
mountainous. soil 3rd rate. no
timber; good grass.
Sec. 23 has some 1st rate soil on river
bottom: Bottom is from 3 to 8 chs wide
and is mostly covered with good
timber. All south of river has more
or less timber

26
478

Subdivisions of Township No. 3 ^{North} South Range 36
East Willamette Meridian, Oregon.

North between sec. 14 and 15

Ba. $20^{\circ} 30'$ East

- 40.00 Set Stone $20 \times 12 \times 5$ on west hill-
side for $\frac{1}{4}$ sec. cor. + 900
- 46.00 Enter timber course E & W
- 80.00 Set Fir post for cor to sec. 10. 11 + 100
14 and 15 from which a
Fir 8 in. diam. brs N. 10° E. 70 lbs. dist.
" 10 " " " S. 42° E. 40 " "
" 8 " " " S. 28° W. 27 " "
" 8 " " " N. 70° W. 22 " "

Land Surface Mountainous.

Soil 3rd 2nd and 1st rate,

Good timber on N. 30 chs. Pine
Fir and Tamarack, good grass
south of timber

East on a random line
between sections 11 and 14

Ba. $21^{\circ} 15'$ East.

- 40.00 set post for temporary $\frac{1}{4}$ sec. cor.

Subdivisions of Township No. 3 ^{North} South Range 36
East Willamette Meridian, Oregon.

79.10 Intersected N. and S. line 46 lks
North of corner to Sec. 11. 12. 13 and 14
from which cor I run
N. $89^{\circ} 40'$ West on a true line
between Sec. 11 and 14

Pa $22^{\circ} 5'$ East

39.55 Set Fir post for $\frac{1}{4}$ Sec. cor.
A Fir 4 in. diam. brs. N. 40° W. 23 lks dist
" " 16 " " " S 48° W. 21 " "

79.10 The cor to Sec. 10. 11. 14 and 15.

Land; surface rolling;
soil 2nd and 1st rate; good
timber Fir, Pine and Tamarack
Willow and some other underbrush
The N. $\frac{1}{2}$ of the N. $\frac{1}{2}$ of sec. 14 is
mostly covered with good timber
the remainder of the section is
steep south hillside with good
grass and mostly stony

Oct 7th 1878

Subdivisions of Township No. 3 ^{North} South Range 36.
East Willamette Meridian, Oregon.

North between Sections 10 and 11
Pa 21° 15' East

4000 Set Willow post on West hill —
side for $\frac{1}{4}$ Sec. cor. from which
A Fir 13 in. diam. brs. N. 40° E 12 lbs dist
" Tamarack. 15 " " " S 10° W. 44 " "

8000 Set Fir post on south side of — 100
brook for corner to Sections
2, 3, 10 and 11 from which
A Fir 12 in diam brs N. 78° E 87 lbs dist
" " 11 " " " S 24° E. 26
" " 16 " " " S 50° W. 78
" " 18 " " " N. 52° W. 88

Land: Surface hilly. Soil 2nd and
1st rate; good timber most of
the distance. Scattering in a few
places. Tamarack; Pine & Fir
Willow and some other underbrush

East on a random line between sec. 2 and 11
Pa. 21° 15' East

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
 East Willamette Meridian, Oregon.

29
481

- 40.00 Set post for temporary $\frac{1}{4}$ Sec. cor.
 79.20 Intersected N and S. line 18 lks
 North of corner to sec. 1, 2, 11, and 12
 from which corner I run
 N. $89^{\circ} 52'$ West on a true line
 between sec 2 and 11
 Pa. 21° East
- 29.00 Spring-branch course south -150
 39.60 Set Fir post on E hillside for +100
 $\frac{1}{4}$ Sec. cor. from which a
 Fir. 10 in. diam brs. N. 20° E 36 lks. dist
 " 14 " " " S 33° E 77 " "
- 59.50 Road N.W. & S.E. to Saw-mill located
 about 22 chs south of quarter post
 78.00 Brook 8 lks wide course N. 70° W.
 79.20 The corner to sec. 2, 3, 10 and 11 - 150
 Land: surface hilly; soil. 2nd and
 1st rate; Timber. was good but has
 been nearly all cut and much of it
 destroyed; some Willow & other underbrush

482 Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
 East Willamette Meridian, Oregon.

North on a random line between sections 2 and 3

Pa. $21^{\circ} 15'$ East

40.00 set Post for temporary $\frac{1}{4}$ Sec. cor.

74.80 Intersected North Boundary 130 lks

East of cor to Sec. 2 and 3 from
 which corner I run

$S 00^{\circ} 56'$ East on a true line
 between Sec. 2 and 3.

Pa. 19° East

34.80 set Fir post for $\frac{1}{4}$ Sec. cor. from
 which a

Tamarack 12 in. diam. brs. $S 82^{\circ} E$. 48 lks. dist

" 14 " " " West 20 " "

55.00 Cabin bears. $S 45^{\circ} E$

63.00 Road E and W to Sawmill

70.00 Cabin brs. $N 32^{\circ} E$

74.50 Brook 8 lks wide course west

74 80 The cor. to sec. 2, 3, 10 and 11 — 150

Land. Surface. hilly; Soil 1^{st} & 2^{nd} rate
 Timber somewhat scattering, having
 been cut and taken away; some
 willow and other underbrush
 Oct 8th 1878

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36 483
East Willamette Meridian, Oregon.

From the corner of sections 34 and 35 on the South Boundary of the Township I run west and carefully measure along the South Boundary of Sec 34 and at 72.50 to a point 22 lbs South of corner to Sec. 33. and 34 showing an error in measurement of 7.50 chains.

The post is standing and all the Walnut trees as described in the field notes.

I can see no way of remedy for this error. I therefore conclude to extend it to all the crop lines on this tier of sections to the North Boundary of the Township

North between sections 33 and 34

Pa. $20^{\circ} 30'$ East

Along East Side of ridge

40.00 Set Stone $18 \times 10 \times 8$ on S.E. hill - 150
 side for $\frac{1}{4}$ Sec. Cor.

A Fir 20 in. diam. brs. $N. 80^{\circ} W.$ 70 lbs dist

80.00 Set Stone $18 \times 10 \times 8$ on rocky point - 300

facing S.E. for cor. to Sec. 27, 28

33 and 34 from which A

Fir 20 in. diam brs. $S. 12^{\circ} E.$ 107 lbs dist

" 12 " " " $S. 48^{\circ} W.$ 96 " "

No trees on north side

Land: Surface Mountainous:

Soil 3rd rate; Some good timber
 in scattering groves, Fir, Tamarack
 and Pine; grass in open ground

Oct 9th 1878

East on a random line

between sections 27 and 34

Pa. $17^{\circ} 30'$ East

40.00 Set post for temporary $\frac{1}{4}$ Sec. cor

72.60 Intersected N. and S. line 56 lks
North of corner to Sec. 26. 27. 34,
and 35 from which cor. I run
N. $89^{\circ} 36'$ West on a true line
between Sections 27 and 34

Pa. 20° East

Down along south side of spur ✓

36.30 Set Stone $16 \times 10 \times 5$ on S.W. hillside - 200
for $\frac{1}{4}$ Sec. cor

68.00 Brook 30 lks. wide course North - 600

72.60 The cor. to Sec. 27. 28. 33 and 34 + 200

Land; Surface Steep mountain
Sides; Soil 3rd rate; some
timber along brook. Fir, Tam-
arack and Pine; good grass
Section 34 is very broken
and about $\frac{1}{8}$ is covered with
timber. in small groves in
different places and a narrow
belt along the brook

34
186

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
East Willamette Meridian, Oregon.

North between sec. 27 and 28

Pa. $17^{\circ} 30'$ East

Along down East side of ridge

38.50 Creek Bottom

40.00 Set Stone $18 \times 12 \times 7$ in creek bottom - 2.50

for $\frac{1}{4}$ Sec. Cor. from which
A Fir 8 in diam. brs. S. 10° E. 30 lbs. dist.

" " 6 " " " S 46° W 6 " "

52.50 Creek 26 lbs wide course N. 10° W.

80.00 Set Stone $18 \times 12 \times 8$ on steep west +100

hillside for corner to sections

21. 22. 27 and 28 from which

A Pine 14 in diam brs N. 54° E 21 lbs dist

" " 14 " " " S. 87° E 61 " "

" Fir 18 " " " S 41° W. 99 " "

" " 30 " " " N. 45° W. 80 " "

Land: Surface Mountainous;
Soil. 3rd and 2nd rate, good timber
along most of this mile. Fir. Pine
Tamarack and ~~Balm~~; Willow
and some other underbrush

Oct 10th 1878

East on a random line between sec. 22 and 27

Pa 20° 30' East

4000 Set post for temporary 1/4 Sec cor.

72.80 Intersected N. and S. line 38 lks

North of corner to sec 22. 23. 26 and

27 from which corner I run

N. 89° 44' West on a true line

between sections 22 and 27

Pa. 15° 30' East.

36.40' A Fir 16 in diam for 1/4 Sec. Cor. + 100

A Fir 16 in. diam brs. N. 85° W. 15 lks dist

" 20 " " " S 73° E 10 "

72.80 The cor to sec 21. 22. 27 and 28 - 200

Land: Surface very broken

Soil. 3nd & 3rd rate; excellent timber

on N. 1/2 mile; Scattering on E 1/2 mile

Pine. Tamarack & Fir; good grass

About 1/4 of sec. 27 has excellent

timber. Remainder of the section

has scattering groves of timber

North between Sections 21 and 22

Pa. $20^{\circ} 30'$ East

- 16.00 A house bears N. 41° W. near river
- 33.25 Womatilla River 90 lks wide course - 150
at this point West
- 34.25 Road to La Grand E & W. steep bluff
- 40.00 Set Stone $18 \times 10 \times 5$ on steep + 100
south hillside for $\frac{1}{4}$ Sec. cor.
- 68.00 Spring Branch course S. W.
- 80.00 Set Stone $14 \times 10 \times 8$ on east side + 800
of ridge for cor to Sec. 15. 16. 21.
and 22 drove stake and built
mounds of stone around stone
and stake in lieu of pits
Land surface very broken and
mountainous; river bottom narrow,
Soil 3rd rate, small part on river
bottom first rate. Scattering timber
south of river Pine & Fir; good
grap

Oct 12th 1878

East on a random line between Sec. 15 and 22

Pa 18° East

40.00 Set Post for temporary $\frac{1}{4}$ Sec. cor.

72.86 Intersected N. and S. line 14 lks

North of cor to Sec. 14, 15, 22 and 23
from which corner I run

N. 89° 54' West on a true line
between Sec 15 and 22

Pa. 20° 30' East

36.43 Set Stone 18 x 10 x 5 on S. E. side + 600

near top of bluff for $\frac{1}{4}$ Sec cor

60.50 Spring-branch course S. W. - 400

72.86 The cor to Sec 15, 16, 21 and 22 - 100

Land; Surface mountainous; soil
3rd rate; good grass.

Sec. 22 on river bottom and on
bluff south of river has quite
a large amount of good timber
The bluffs north of river do not
have any timber.

38

490

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
 East Willamette Meridian, Oregon.

North between Sections 15 and 16
 Pa. 18° East

8.04 To a point on Womatilla Indian⁸⁰
 Reservation line 5.25 chs
 N. 20° East of 34th Mile corner
 Set Stone $18 \times 12 \times 5$ on ridge
 at reservation line. Marke (X)
 with crop for cor to Sec. 15
 and 16. raised mound of
 Stone in lieu of pits

West on a true line between sec. 16 and 21
 Pa. 18° East

2.79 To a point S. 20° N. 3.30 chs
 from 34th Mile post on Indian
 reservation line; Set Stone
 $15 \times 12 \times 10$ Marked X at
 point of intersection for
 corner to Sec. 16 and 21
 raised mound of Stone
 in lieu of pits

Oct 14th 1878

West on a true line between Sec-
tions 28 and 33

Pa. $17^{\circ} 30'$ East

Wp South side of ridge

4000 Set Stone $18 \times 12 \times 5$ near top of +700

ridge for $\frac{1}{4}$ Sec. cor.

4150 Top of ridge N.S.S. +20

5988 To a point on reservation -150

line 13.98 chs S. 20° W. of
 36^{th} mile post on the E Boundary
of reservation; Set Stone 18×10
 $\times 10$ marked X at reserva-
tion line for corner to

Sec. 28 and 33 raised Mound
of stone in lieu of pits

Land surface Mountainous
Soil 3rd rate; no timber; good
grass.

West on a true line between
 Sections 21 and 28

Pa. $20^{\circ} 30'$ East

- 5.00 Creek bottom N & S. - 150
 8.00 Creek 28 lks wide course North
 9.00 Steep bluff N. & S.
 30.28 To a point 8.56 lks. S. 20° West + 250
 of 35th Mile post on reserva-
 tions line
 Set Fir post at Point of inter-
 section

A Pine 10 in diam brs. south 12 lks dist
 " Fir 8 " " " N. 48° E 64 " "

Land: surface broken soil
 3rd rate; good timber Fir
 Pine and Tamarack. some
 grass. some Willow underbrush

Oct 16th 1878

West on a true line between Sec. 10 and 15
Pa. 21° 15' East

40.00 Set Fir Post for 1/4 Sec. cor.

A Tamarack 13 in diam. brs. N. 2° W. 36 lks dist

" Fir 20 " " " S 51° W. 52 " "

51.16 To a point N. 69° W. 150 lks and
N. 44° W. 20 lks from 33 mile
post on the boundary of
W. Indian reservation

Set Fir post at point of
for cor. to Sec. 10 and 15
intersections, from which

A Fir 18 in diam brs. N. 30° E. 53 lks dist

" " 8 " " " S 85° E 53 " "

Land: surface hilly; soil
2nd and 1st rate; good timber
Tamarack. Fir and Pine

I find an error in the above closing. I there-
fore carefully run and measure from 33 to 34th
mile post and find the distance 82.50 chs
instead of 80.00 or 86.00 as given in field notes.
Oct 17 1878

2.184 East of 34th mile post

42

494

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
 East Willamette Meridian, Oregon.

West on a true line between sections 3 and 10
 Pa. $21^{\circ}15'$ East

- 7.00 Brook 6 lks. wide course S W.
- 9.00 Leave timber N.E. & S.W. open hillside
- 40.00 Set Stone $20 \times 10 \times 8$ on East hillside
 for $\frac{1}{4}$ sec. cor from which
- A. Pine 38 in diam brs. N. $2^{\circ}E$ 126 lks dist
 " " 20 " " " S $4^{\circ}E$ 77 " "
- 80.00 A Fir 16 in diam. for corner to
 sections 3, 4, 9 and 10, on N.W.
 hillside from which a
- Tamarack 18 in diam. brs. N. $56^{\circ}E$ 36 lks dist
 " 5 " " " S $34^{\circ}W$ 21 " "
- Fir 36 " " " N. $70^{\circ}W$ 26 " "
- Land: surface hilly; soil 3rd 2nd and
 1st rate; Scattering timber on West
 $\frac{1}{2}$ mile E $\frac{1}{2}$ mile nearly all open
 All of sec. 10 south of brook
 has good timber

Oct 18th 1870

South between sections 9 and 10
Pa. 21° East

22.00 Brook 10 lks wide course West - 300
also enter timber E & W.

40.00 Set Fir post for $\frac{1}{4}$ Sec. cor on mt 250

North hillside from which a

Fir 15 in. diam. brs S 78° E 72 lks dist

" 14 " " " N. 60° W. 43 " "

64.15 - To a point on Indian Reser = 150
vation 36.20 chs West-ly

the the meanders, of 33 ^{mi}

mile post. Set Fir post

in mound of stone for corner

to sections 9 and 10 at point

of intersection; from which a

Fir, 10 in. diam. brs. N. 78° E 23 lks. dist.

" 10 " " " N. 32° W. 65 " "

Land. Surface hilly. Soil

2nd and 1st rate. good timber
south of brook. Tamarack. Fir

and pine; good grass in open
ground

44

496

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
East Willamette Meridian, Oregon.

North on a random line between
sections 3 and 4

Ba. 21° East

4000 set post for temporary $\frac{1}{4}$ sec. cor.

75.22 Intersected North Boundary 175 lks

East of corner to sec 3 and 4

from which cor I run

S. $07^{\circ} 16'$ East on a true line
between sections 3 and 4

Ba 20° East

35.22 Set Tamarack post on level ground

for $\frac{1}{4}$ sec. cor. from which a

Pine 24 in. diam. lks S 68° E 50 lks dist

Fir 10 " " " S 74° W. 95 " "

53.00 Road E & W. to Timber

75.22 The cor. to sec. 3. 4. 9 and 10

Land; surface hilly; soil 2nd $\frac{1}{2}$

and 1st rate; has been good

timber. but a large and the

best part of it is cut and used

and much as been wastefully

destroyed Oct. 19th 1878

West on a true line between sec. 4 and 9
 Pa. 21° East

- 40.00 Set Tamarack Post for 1/4 Sec. cor -100
 Pine 28 in. diam. brs. East 72 lks. dist,
 Tama. 13 " " " N. 46° W. 27 " "
- 46.00 Brook 12 lks wide course N.W. -200
- 60.50 Road N. & S to timber +150
- 68.50 " N. E & S. W, " "
- 80.00 Set Fir post in shallow
 ravine for cor to sec. 4, 5, 8 & 9
 A Fir 34 in. diam. brs. N. 40° E. 6 lks. dis.
 " " 14 " " " S 64° E 34 " "
 " 16 " " " S 16° W. 46 " "
 " 15 " " " N. 42° W. 50 " "

Land surface hilly; soil
 1st & 2nd rate; good timber ~~much~~
 of Brooks East of brook scattering.
 Fir Tamarack and Pine
 some Willow & other underbrush
 good grass in openings

46

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
East Willamette Meridian, Oregon.

498

North on a random line between sec. 4 and 5
Pa. $21^{\circ}10'$ East

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

75.46 Intersected North Boundary

192 lks East of cor to sec. 4 and 5
from which cor. I run

S. $1^{\circ}22'$ East on a true line
between sections 4 and 5.

Pa 20° East

15.50 Top of bluff + 500

19.00 Road E & W. to timber

35.46 Set Stone $16 \times 12 \times 7$ for $\frac{1}{4}$ sec. cor. - 50

A Pine 40 in diam. brs. S 18° E. 154 lks dist

" " 28 " " " S. 8° N. 247 " "

Also a House bears S. 52° E } David Houdy-

41.40 Same " " N. 62° E } Shell's House

68.00 Brook 15 lks wide course West - 200

75.46 The cor. to sec. 4, 5, 8 and 9 + 200

Land: Surface hilly. Soil 1st & 2nd rate

Timber mostly scattering. South of
brook good. Fir, Pine & Tamarack

Most of this is good farming land.

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36 499
 East Willamette Meridian, Oregon.

South between Sec. 8 and 9

Pa. $21^{\circ} 10'$ East

5.00 G. W. Boatman's cabin bs. $S 48^{\circ} W.$

15.00 " " " " " $N. 52^{\circ} W.$

28.11 To a point on Womatilla
 Indian reservation lin. by
 meanders ^{chs} 24.70 east of
 $31^{\frac{1}{2}}$ mile post; set Fir
 post at point of intersection
 for corner to Sec. 8 and 9

A Fir 14 in diam. bs. $N. 40^{\circ} E. 48$ lks dist

" " 10 " " " $N. 77^{\circ} W. 46$ " "

Land: surface hilly. Soil
 1^{st} & 2^{nd} rate; Scattering Timber
 Pine Tamarack and Fir. good
 gras. This is good farming
 land

October 20th 1878

West on a true line between sec. 5 and 8
 Pa. $21^{\circ} 10'$ East

40.00 Set Fir post on North hill-
 side near top of hill for $\frac{1}{4}$ sec. cor.
 Tamarack 8 in. diam. brs. $N. 4^{\circ} E.$ 15 lks. dist

" " 10 " " " $S 2^{\circ} W.$ 6 " "

68.50 Brook 12 lks wide course S.W.
 also leave timber + 350

80.00 Set Stone $28 \times 12 \times 7$ on South + 150
 hillside for cor to sec. 5. 6. 7
 and 8 from which a

Pine 28 in. diam. brs. $S 11^{\circ} E.$ 282 lks dist
 Fir 20 " " " $S 20^{\circ} W.$ 390 " "

No trees on north side

Land: surface. $\frac{6}{12}$ mile undu-
 lating $\frac{1}{12}$ mile steep hillside;
 Soil 1st 2nd and 3rd rate; good
 timber East of brook. Fir, Tam-
 arack and Pine; good grass

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36 501
 East Willamette Meridian, Oregon.

South between Sec. 7 and 8

Pa. ^{19°} ~~27°~~ 30' East

- 450 Brook 15 lks. wide co. West - 150
 12.50 Top of Bluff + 350
 29.00 Along Barry's cabin. 100 lks west
 of line and plowed field East
 40.00 Set pine post on level for $\frac{1}{4}$ sec. cor.
 Pine 30 in. diam. brs. N. 66° E 87 lks dist
 " 20 " " " West 30 " "
 80.00 Set Pine post for corner to Sec.
 7, 8, 17, and 18 from which a
 Pine 30 in. diam. brs. N. 45° W. 5 lks. dist.
 " 24 " " " S. 36° W. 12 " "

No trees near in Sec. 8 and 17
 Land: Surface, S. 68 chs rolling
 N. 12 chs steep hillside; Soil 1st, 2nd
 and 3rd rate; Timber good in
 places, and in places scattering
 Pine Fir and Tamarack;
 good grass; Most of this
 mile is good farming land

50

302

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
East Willamette Meridian, Oregon.

East between Sec. 8 and 17
Va. 21° East

39.35 To a point on reservation
line ^{chs} 32.95 East of 30th
mile post, measured along
the meanders of said line
Set Pine post at point of
intersection with the line
of the Womatilla Indian
Reservation for corner to
Sec. 8 and 17 from which a
Fir 17 in diam. brs. N. 50° W. 24 lbs. dist.
Tamarack 18 " " " S 2° W. 22 " "

Land: Surface rolling: soil
1st and 2nd rate; scattering
Pine timber; good bunch
grass: well adapted to
farming

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
East Willamette Meridian, Oregon.

51
503

South between Sec. 17 and 18

Pa. 21° East

27.71 To a point 19.56 chs $S^{\circ} 57^{\circ} - 200$
30' West of 30th mile post
on the line of the Womatilla
Indian reservation;

Set Pine post at point of
intersection for corner to
Sec. 17 and 18. Raised
mound of stone around
stake in lieu of pits

Land surface hilly.
Soil 1st and 2nd rate; only
a few scattering trees
good grass. good for
farming

October 21st 1878

52
504

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
East Willamette Meridian, Oregon.

West on a random line
between Sec. 7 and 18
Pa. 21° East

40.00 Set Post for temporary $\frac{1}{4}$ sec. cor.
68.05 Intersect the West Boundary
285 lbs South of cor. to Sec.
7 and 18 from which cor. I run
 $S 87^{\circ} 58'$ East on a true line
between Sec. 7 and 18

Pa 21° East

28.05 Set Stone $18 \times 14 \times 4$ in plowed ⁺⁴⁰⁰
field for $\frac{1}{4}$ sec. cor.
49.00 James Salery's house on line
68.05 The cor. to Sec. 7, 8, 17, and 18
Land: Surface $\frac{1}{2}$ mile
steep hillside; $\frac{6}{12}$ mile undula-
ting; soil. 1st and 2nd rate;
Scattering Pine timber; good
grass; good farming land

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
East Willamette Meridian, Oregon.

West on a random line be-
tween sections 6 and 7
Ba 19° East

4000 set post for temporary 1/4 sec. cor.
67.86 Intersected West Boundary
3.20 lks South of cor to Sec.
6 and 7 from which cor. I run
S 87° 43' East on a true line
between Sec. 6 and 7

Ba 20° East

500 house bears N. 78° E
1500 " " N. 85 W.
27.86 Set Stone 18x10x7 near top of +100
hill for 1/4 sec. cor.
41.00 Fence and field N. 88
67.86 The cor. to sec. 5, 6, 7, and 8 - 150

Land: surface rolling;
soil 1st and 2nd rate, good
grass: good farming
land

North on a random
line between Sec. 5 and 6
Pa. ^{19°} ~~18°~~ East

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

75.75 Intersected North Boundary

188 lks East of cor to Sec
5 and 6 from which cor. Draw
S 1° 21' East on a true line
between Sec. 5 and 6

Pa. 21° East

9.00 Fence and field E and W. + 100

26.50 Fence E and W.

32.00 Fence E and W. leave field

35.75 Set Stone 20 x 12 x 5 for $\frac{1}{4}$ sec. cor.

A Pine 20 in. diam. brs. N. 20° E 133' lks dist

" " 17 " " " S 66° W. 229 " "

46.00 House west of line 120 lks

48.00 Road E and W. to timber
also a fence and field E & W.

75.75 The cor to Sec. 5. 6. 7. and 8 - 200

Land: surface, rolling
Soil 1st and 2nd rate

Subdivisions of Township No. 3 ^{North} ~~South~~ Range 36
 East Willamette Meridian, Oregon.

A few scattering pine
 trees in $\frac{1}{2}$ mile
 good grass.
 good farming land

To show that there has
 been an error made in
 the closing of this Town-
 ship at the N.W. cor.
 I begin at the corner
 to sections 5 and 6. on
 the north boundary
 and carefully run and
 measure west and
 at 66.75 chs I intersect
 West Boundary 8.90 chs
 south of corner to Town-
 ships 3 and 4 North
 and Ranges. 35 and 36
 East. (Showing plainly
 that the closing was not

56

Subdivisions of Township No. 3 ^{North} South Range 36
East Willamette Meridian, Oregon.

508

Made as represented
in the field notes

I also begin at the
corner to Sec. 7 and 18
on the West Boundary of
this Township and
run and measure south
18.15 to the channel of Wild
Horse creek then
17.50 to the 39th mile post
the first one east of the
west boundary making the
additional course S 32 $\frac{1}{2}$ ° E 560 chs

October 22nd 1878

The stones used to set or mark
corners. are all Ferruginous
Basalt and very hard

In the exterior Boundaries of this Township. The corners and witness trees were all as represented except the following

Cor to sec. 34 and 35 on South Boundary which I could not find, and which I replaced as given in the field notes

Also. the corner to sec. 13 and 24 on the East Boundary. The post and Stone mound were as represented but the courses and distances to Witness trees were

A Pine 8 in diam. brs. N. 30° W. 154 lks dis
" " 10 " " " N. 10° E 170 " "

General Description

The surface is mountainous south of Umatilla river the ridges extend north and south. North of W. R. the surface rises very abrupt to the height of about 1200 feet and then forms a rolling plateau with 2 main ravines opening west. Soil in southern part is 3rd and 2nd rate. river bottom is narrow and has a limited amount of 1st rate soil; in northern part, on plateau, soil is 1st and 2nd rate and well adapted to farming.

There are about 20 settlers on this plateau yet but few of their houses could be seen from line. Sec. 1. 2. 3. 10. 11, and 12 are mostly covered with good timber. South of river timber is only found on A. and

N.E. hillsides, in ravines
and along creeks.
South slopes are all
bare of timber but have
good grass

This township should
be classed as Mountainous
and timbered

FINAL AFFIDAVIT OF ASSISTANTS.

We hereby certify that we assisted George S
Perrin Deputy Surveyor, in surveying
 the Subdivision lines of Township
3 N. Range 36 East Willamette Meridian, Oregon,
 and that said lines have been in all respects, to the best of our knowledge and
 belief, well and faithfully surveyed, and the boundary monuments planted ac-
 cording to the instructions furnished by the Surveyor General; and we do
 further swear that we each of us performed the work assigned us, faithfully to
 the best of our ability, in the capacity hereby indicated by our signatures.

Heruan D. Gradow Chainman.

Marion O'Hara Chainman.

Chainman.

Sanford Sharr Axeman.

Axeman.

Compassman.

STATE OF OREGON,
 County of Umatilla }

Subscribed and sworn to before me, this 23rd
 day of October 1878

J. J. Linnell
 Justice of the Peace

I George S. Pershin

Deputy Surveyor, do solemnly swear that in pursuance of a contract with James C. Tolman U. S. Surveyor General of the State of Oregon, bearing date the 20 day of September 1878, and in strict conformity with the Printed Manual of Instructions, and the instructions given me by the Surveyor General, I have faithfully surveyed the Subdivision lines of Township 3 North Range 36 East aforesaid, and do further solemnly swear that the foregoing are the true and original field notes of such survey.

George S. Pershin
Deputy Surveyor.

STATE OF OREGON,
County of Multnomah

Subscribed and sworn to before me, a Notary Public in and for the said County and State, this 7th day of December 1878

E. W. Cornell
Notary Public in and for
said County & State

Office U. S. Surveyor General,

Portland, Oregon, Jan 20 1879,

The foregoing Field Notes of the survey of

The Subdivisional of T. 3 N. R. 36 E
executed by Geo. S. Peashin,

under his contract No. 305

Dated Sept 20 1878, 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.