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Office U. S. Surveyor General

Portland, Oregon, March 26 1879

George S. Pershin

U. S. Deputy Surveyor.

1. SIR:—In prosecuting the surveys embraced in your contract No. 319 dated March 26, 1879, 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: *in regions remote from timber and destitute of stones*
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 of 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.

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

FIELD NOTES

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Of the survey of the *Subdivisional*
Lines of Township *3 South R. 31 East*
Willamette Meridian, Oregon.

Executed by *George S. Pershin*

U. S. Deputy Surveyor, under his Contract
No. *319* dated *March 26, 1879*

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

James M. Morrison Chainman.

Wm. C. Pershin Chainman.

..... Chainman.

Archibald McLeod Axeman.

..... Axeman.

..... Compassman.

..... Flagman.

PRELIMINARY OATHS OF ASSISTANTS.

We, *James M. Morrison Homer, Comt*
Pershim

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.

James M. Morrison Chainman.

Homer Pershim Chainman.

Chainman.

Subscribed and sworn to before me, this *8th Day*
day of *April* 187*9*

Saml G. Lightfoot

We, *A. Archibald McLeod* and

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

Archibald McLeod

Subscribed and sworn to before me, this *8th Day*
day of *April* 187*9*

Saml G. Lightfoot
justice of Peace

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Referring the lines to the pages of the field notes.

Town. 38. Range 31 E. Willamette Meridian.

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Subdivisions of Township No. 3 South Range 31
East Willamette Meridian, Oregon.

Having run the Exterior Boundaries of this Township myself I do not retrace the East and South boundaries of section 36 but with Burt's Improved Solar Compass I begin at the corner of sections 35 and 36 on the South Boundary of the Township and I run North between sections 35 and 36
Ra 20' 00 East

40.00 Set Basalt Stone 12x10x8 on S.E. face of hill for 1/4 Sec. cor:

A Pine 5 in. diam. brs. N. 70° E. 49 lbs. dist

" " 20 " " " N. 65° W. 23 " "

80.00 Set Basalt Stone 20x12x4 in mound of stone or small open glade sloping north for corner to sections 25, 26, 35 and 36 from which a

Pine 14 in diam. brs. N. 63° E 250 lbs dist

" 30 " " " S. 62° E 95 " "

Fir 12 " " " S 10° N. 127 " "

No other trees on N.W.

Land: surface, undulating table land
on summit of Mountains; Soil. third
rate; Heavy timber Pine, Fir and
Tamarack. Occasional small
open glades

East on a random line between Sections 25 and 36
Pa. 20° 45' East

4000. Set post for temporary 1/4 Sec. cor.

79.82 Intersected East Boundary 62 lks
South of stone corner to Sections
25 and 36 from which corner I run
S. 89° 33' West on a true line between
Sections 25 and 36

Pa. 19° 30' East

22.00 Road N. & S from from Puddleton to Camas Prairie

38.50 Spring branch course S. W.

39.91 Set Basalt Stone 18 x 10 x 5 on S. E face
of hill for 1/4 Sec. cor. from which a

Pine 20 in di brs. S. 62° E. 36 lks dist

16 " " " N. 28° W. 52 " "

59.00 Brook 6 lks. wide course N. W.

79.82 The corner to Sections 25, 26, 35 and 36.

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Subdivisions of Township No. 3 South Range 31
East Willamette Meridian, Oregon.

Land: Surface undulating; soil 3rd rate; heavy
timber, Pine, Fir, Tamarack and Spruce.

North between Sections 25 and 26.

Pa. 20° 45' East

21.50 Brook 8 lbs wide course N. W. - 200

24.50 " 4 " " " S. W.

40.00 Set Basalt Stone 18x8x5 on East Slope
for 1/4 Sec. cor. from which a
Fir 8 in. di. brs. N. 52° E. 54 lbs dist
Pine 18 " " " S. 12° W. 33 " "

80.00. Set Stone 22x12x6 in mound of
stone on S. W. hillside for corner
to Sections 23, 24, 25 and 26

A Pine 20 in diam brs N. 80° E 168 lbs dist

" " 20 S 3° E 72 " "

" " 30 S 76° W. 113 " "

" " 32 N. 3° W 40 " "

Land: Surface broken; soil third rate
heavy timber Pine Tamarack
and Fir. Some Willow and
other young under brush

East Willamette Meridian, Oregon.

East on a random line between sec. 24 and 25

Pa. $25^{\circ}30'$ East

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

80.04 Intersected East Boundary 50 lbs

South of true corner to sections

24 and 25 from which cor. I run

S. $89^{\circ}39'$ West on a true line be

tween sections 24 and 25

Pa. 20° East

13.00 Spring Branch course North

40.02 Set pine post on level for $\frac{1}{4}$

Section corner from which a

Tamarack is in di. brs. S. $32^{\circ}6'$ 16 lbs dist

Pine 7 " " " North 17 " "

57.00 Road N. & S. Pendleton to Camas Prairie

80.04 The corner to sec. 23, 24, 25 and 26

Land: surface undulating soil

third rate; heavy timber: Pine

Tamarack and Fir. some

small open glades

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Subdivisions of Township No. 3 South Range 31

East Willamette Meridian, Oregon.

North between Sections 23 and 24

Cra. $25^{\circ} 30'$ East.

30.50 Enter Small Prairie Co. E & W.

40.00 Set Pine Post on Small prairie on level for $\frac{1}{4}$ Sec. cor.Pine 10 in. di. br. N. $85^{\circ} E$ 320 lbs. dist

No tree near on west side

48.50 Enter timber E & W.

70.00 Bottom of deep canyon opens. A. W. - 300

73.00 Leave timber. S. E. E. A. W.

80.00 Set Stone $20 \times 10 \times 6$ in mound + 200

of stone on west face of and near top of ridge for corner to sections 13, 14, 23, and 24

also set post 4 in. square and 3 ft long properly marked in mound of stone in lieu of pits

Land: Surface mountainous: soil

3rd rate: heavy timber Pine

Tamarack and Fir. good grass

in prairie April 30th 1879May 1st 1879

East on a Random line between sections 13 and 24

Pa. $25^{\circ} 30'$ East

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

79.96 Intersected East Boundary at corner
to sections 13 and 24 from which
corner I run

West on a true line between
sections 13 and 24

Pa. $20'$ East

25.00 Brook 8 lks wide course North - 300

39.98 A Fir 14 in. diam. for $\frac{1}{4}$ Sec. cor. + 300

A Fir 18 in. diam. brs. N. 58° E. 31 lks dist

Pine 22 " " S. 22° E. 46 " "

60.50 Road To Camas Prairie course N. & S.

63.00 Enter Small Prairie course N. & S.

79.96 The corner to sections 13, 14, 23 and 24

Land: Surface Mountainous; soil
third rate; heavy timber East
of Prairie: some small open
glades. Pine Fir & Tamarack
Some young timber under brush

North between Sections 13 and 14.

Pa. $25^{\circ} 30'$ East.

Along west Mountain side

33.00 Enter timber East & West

40.00 Set Basalt Stone $16 \times 12 \times 10$ on

N. W. point of spur for $\frac{1}{4}$ Sec. cor. -150
a Pine 15 in. di. brs. East - 117 lks dist

" " 20 " " " N. 70° West - 78 " "

Down irregular west Mountain side

8000 Set Basalt Stone $14 \times 10 \times 5$ on west - 300

Mountain side for corner to
Sections 11, 12, 13 and 14.

A Pine 10 in. diam. brs. N. 38° E 52 lks dist

" " 24 " " " S 70° E 38 " "

" " 13 " " " S 28° W. 89 " "

" " 16 " " " N. 22° W. 138 " "

Land: Surface Mountainous; Soil
third rate; good timber on north
part Pine Tamarack & Fir.
good grass on prairie

East on a random line between sections 12 and 13,
Pa. $21^{\circ} 45'$ East.

4000 Set post for temporary $\frac{1}{4}$ Sec. cor.

79.86 Intersected East Boundary 30 lks
South of stone corner to sections
12 and 13 from which corner I run
 $S. 89^{\circ} 47'$ West on a true line
between sections 12 and 13

Pa. 22° East

.50 Brook 8 lks wide course N. W.

39.93 Set Basalt Stone $16 \times 12 \times 10$ on +500
East side near top of ridge for
 $\frac{1}{4}$ Sec. corner from which

A Fir 6 in. diam. brs. N. 8° West 34 lks dist -
" " 11 " " " S. 50° E 33 " "

42.00 Road to Camas Prairie course N. & S.

44.00 On ridge course N. & S. + 50

79.86 The corner to sections 11, 12, 13 and 14 - 400

Land: Surface, Mountainous; soil
part 3rd and part 2nd rate. Mostly
heavy timber Pine Tamarack and
Fir. Willow and young timber under
Meas. 7th 1879

North between Sections 11 and 12

Pa. $21^{\circ} 45'$ East.

- 12.50 Spring Branch course N. W. - 250
 14.00 leave timber co E & W.
 15.50 Road to Sawmill E & W.
 27.00 John H Keene's house brs S. 57° W.
 40.00 Set Stone $16 \times 12 \times 12$ on west face of
 Mountain for $\frac{1}{4}$ Section corner
 54.50 John H Keene's house brs. S. 34° W.
 56.00 Summit of ridge irregular + 600
 80.00 Set Basalt Stone $20 \times 10 \times 4$ on - 300
 N. W. slope for corner to sections
 1, 2, 11 and 12. Set stake and
 built mounds of stone around
 Stone and stake in lieu
 of pits.

Land: Surface Mountainous; soil
 third, second and part first rate
 Timber good; Pine, Tamarack and
 Fir grow gras on prairie or
 open Mountain side.

East on a random line between sections 1 and 12

Pa. $24^{\circ} 15'$ East-

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

79.70 Intersected East Boundary 16 lbs
south of stone cor to sections 1 and
12 from which corner I run
S. $89^{\circ} 53'$ West on a true line
between sections 1 and 12

Pa. $24^{\circ} 30'$ East-

35.00 Enter timber course N. & S.

39.75 Brook 10 lbs. wide course North

39.85 Set Basalt Stone $17 \times 10 \times 8$ in creek
bottom for $\frac{1}{4}$ Sec. corner

A Fir 11 in diam. lbs. N. 42° E. 27 lbs. dist

45.00 " 12 " Timber, N. & S. S. 76° W. 58° " "

74.00 Road to Timber and Camas prairie
from Pilot Rock course N. & S.

79.70 The cor. to Sec. 1, 2, 11 and 12 +500

Land: Surface, Mountainous;
Soil, 3rd and 2nd rate; Timber Medium;
Pine and Fir; good grass on Prairie

North on a Random line between sec. 1 and 2
Pa. $24^{\circ} 15'$ East-

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

78.95- Intersected North Boundary 217 lbs
East of corner to sections 1 and 2
from which corner I run
 $S 1^{\circ} 33'$ East on a true line
between sections 1 and 2

Pa. $21^{\circ} 00'$ East-

30.50 Road to Canas Prairie N. 88 E

38.95- Set Basalt stone $18 \times 10 \times 8$ on
west side of ridge for $\frac{1}{4}$ sec. cor.

78.95- The corner to sections 1, 2, 11 and 12 + 400

Land: Surface, Mountainous;

Soil, 3rd 2nd and large part
first rate and good for farming
good bunch grass.

Note- The error in this closing is larger
than it should be, but I am satisfied
that it is not in my work. I
find the stone corner as represented
in the field notes May 2nd 1879

North between sections 34 and 35

Pa. $19^{\circ}45'$ E

- 35.50 Road along summit of Mountains
40.00 Set Pine post on nearly level land
for $\frac{1}{4}$ Sec cor. from which
A Pine 20 in. diam. brs. S. 40° E 18 lbs. dist.
" " 26 " " " West-167 " "
80.00 Set Basalt Stone $18 \times 12 \times 5$ on nearly
level surface for cor. to sections
26. 27. 33 and 34 from which
a Fir 18 in. diam. brs. N. 20° E 60 lbs. dist
" Pine 6 S. 20° E 10 " "
" " 6 S 21° N. 32 " "
" " 30 N. 34° W. 48 " "

Land: Surface, undulating
table-land on summit of
Mountains; soil 2nd and 3rd
rate; Timber in thick groves in
places and in places scattering
Pine Tamarack & Fir; yucca
grass in places

East on a random line between sec 26 and 35-

Pa. 21° East-

40.00 Set Post for temporary $\frac{1}{4}$ Sec cor.
80.66 Intersected Ch. ana S. line 12 chs
south of corner to sections 25, 26,
35 and 36 from which cor. I run
S 89° 55' West on a true line
between sections 26 and 35-

Pa. 20° 45' East -

29.50 Spring Branch course north - 400

40.33 A Tamarack 5 in. diam. on north + 50

point of spur for $\frac{1}{4}$ Sec. cor.

A Pine 5 in. diam. brs. N. 40° 6' 4 chs dist

" " 9 " " " " South 33 " "

65.50 Spring Branch course north - 50

80.66 The cor to sec. 26, 27, 34 and 35 + 400

Land: Surface very broken and
mountainous; soil thin and red
and stony, heavy timber

Fir, Pine and Tamarack;
young timber underbrush

North between sections 26 and 27

Pa. 71° East

13.00 begin steep descent

32.00 Spring Branch course A. C. - 350

40.00 Set Granite Stone 16x8x6 on east

Mountain side for 1/4 sec. cor.

A Pine 18 in. diam. hrs. N. 28° W. 28 lbs dist

" Fir 10 " " " S. 72° E 53 " "

80.00 Set Granite Stone 16x10x5 on east

Mountain side for corner to sec.

22, 23, 26 and 27 from which

a Pine 22 in diam hrs N. 74° E 88 lbs dist

" Fir 8 " " " S. 44° E 71 " "

" Pine 20 " " " S. 22° W. 86 " "

" " 36 " " " N. 48° W 14 " "

Land: surface Mountainous; soil
3rd rate; heavy timber: Tamarack
Fir and Pine, occasional
patches of young timber
underbrush

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133 Subdivisions of Township No. 3 South Range 31
East Willamette Meridian, Oregon.

Cast on a random line between sections 23 & 26

Pa. 21° 30' East

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

80.86 Intersected N. and S. line 70 lbs
south of cor. to sections 23, 24, 25 and
26. from which cor. I run
S. 89° 30' West on a true line
between sec. 23 and 26

Pa. 25° 30' East.

Down West side of Mountain

40.43 Set Granite Stone 16x9x6 on west
face of Mountain for 1/4 sec. cor.

A Pine 22 in. diam. brs. N. 32° W. 18 lbs. dist.

" " 6 " " " South 14 " "

58.00 Brook 15 lbs wide course north - 700

80.86 The cor to sec. 22, 23, 26 and 27 + 500

Land: Surface Mountainous; soil
3rd rate; heavy timber Pine
Tamarack and Fir.

Some young pine, Fir and Tamarack
underbrush

May 3rd 1879

North between Sections 22 and 23

Pa: 21° 30' East -

22.00 Spring branch course A. C.

40.00 Set Granite Stone 14 x 10 x 5 on

North descent of spur for 1/4 sec. cor.

A Pine 30 in. diam. brs. S. 80° E. 14 lbs. dist

" Tamarack 14 " " " S 75° W. 17 " "

Down irregular east Mountain side

80.00 Set Granite Stone 14 x 12 x 4 on - 400

steep North point of spur for corner
to Sec. 14, 15, 22 and 23 from which

A Tamarack 14 in diam brs. N. 10° E 25 lbs dist

" " 5 " " " S 10° E 21 " "

" " 4 " " " S 60° W 29 " "

" " 5 " " " N. 46° W 52 " "

Land: surface Mountainous
Soil. 3rd. rate heavy timber
Tamarack, Fir and Pine

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Subdivisions of Township No. 3 South Range 31
East Willamette Meridian, Oregon.

East on a random line between Sec. 14 and 23

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

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

80.82 Intersected N. and S. line 48 lbs

South of cor. to Sec. 13. 14. 23 and 24

from which corner I run

S $89^{\circ} 39'$ West on a true line

between sections 14 and 23

Pa. $25^{\circ} 30'$ East -

steep descent -

40.41 Set Basalt stone $14 \times 10 \times 8$ in

ravine near Spring branch for

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

A Fir 8 in diam. bs. N. $5^{\circ} E$ 14 lbs. dist.

"Alder 8" " " S. $20^{\circ} N$ 25 " "

62.50. Brook 16 lbs. wide course North - 700

80.82 The corner to Sec. 14. 15. 22 and 23 + 300

Land: Surface Mountainous; soil

third rate heavy timber Tamarack

Pine and Fir

North between sections 14 and 15

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

9.50 Spring branch co. N.E

40.00 Set Granite stone $16 \times 12 \times 8$ on

N.E. Slope for $\frac{1}{4}$ sec. cor.

A Fir 15 in. diam. brs. S. 38° E 25 lbs. dist

" Pine 10 " " " N. 14° W. 73 " "

78.50 Saw-mill of William H Beasley Jun

80.00 Set Granite stone $18 \times 16 \times 10$ on east = 60

bank of brook just below sawmill

for cor. to sec. 10, 11, 14 and 15

A Fir 12 in. diam. brs. N. 22° E 70 lbs. dist.

" " 24 " " " N. 30° W. 12 " "

No other trees

Land; surface mountainous; soil
third rate; heavy timber; Pine
Tamarack and Fir; some
young timber under brush

East on a random line between sec. 11 and 14

Pa. 21° East-

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

80.76 Intersected N. and S line 82 lbs
south of stone cor. to sec. 11. 12. 13 and
14 from which corner I run
S. 89° 25' West on a true line
between sections 11 and 14

Pa. 21° 45' East-

35.00 Spring Branch course S. W.

40.38 Set Granite Stone 16 x 10 x 8 on north
side of ravine for $\frac{1}{4}$ sec. cor.

A Pine 14 in diam. brs. N. 58° W. 131 lbs dist

" " 42 " " " S. 62° W. 58 " "

64.00 William H. Beasley's - Gun-house brs. N. 2 chs

80.76 The cor. to sec. 10. 11. 14 and 15 - 500

Land: Surface Mountainous; soil
2nd 1st and 3rd rates Much of
it good for farming; Timber
nearly all cut away; Pine and
Tamarack + Willis B. Beasley house
is on N. W. $\frac{1}{4}$ of sec. 14 near Saw-Mill

North between sections 10 and 11

wa. 21° East

5.50 leave timber & Road N.W. & S.E.

6.50 Fence N.W. & S.E.

40.00 Set Stone, Basalt, $18 \times 12 \times 5$ on north
side of ravine opening westward,
for $\frac{1}{4}$ section corner.

A Pine 42 in diam. brs. $S 28^{\circ} E$. 104 lbs dist
no other tree near

71.00 Road to Saw-Mill N.W. & S.E. through farm

73.00 Fence course E & W. on N. side of ~~N.W.~~ H

Bearley's farm

80.00 Set Basalt stone $18 \times 12 \times 5$ on + 500

South side near top of mountain

for corner to sec. 2, 3, 10 and 11. Set

stake and raised mounds of stone

around stone and stake in lieu of pits

Land: Surface Mountainous soil first

and 2nd rate good grass; good for

farming. Most of sec. 11 is

good farming land

May 5th 1879

East on a random line between sections 2 and 11

Pa. $23^{\circ} 15'$ East

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

80.76 Intersected N. and S. line 88 lks
South of corner to Sec. 1, 2, 11. and 12
from which corner. I run
 $S 89^{\circ} 22'$ West on a true line
between Sec. 2 and 11

Pa. $24^{\circ} 15'$ East

33.00 Spring Branch course north

40.38 Set Basalt stone $14 \times 12 \times 8$ on east-
slope for $\frac{1}{4}$ Sec. corner,

80.76 The corner to sections 2, 3, 10 and 11 + 100

Land: surface mountainous
Soil 3rd and 2nd rate and stony
good bunch grass

North on a random line between sections 2 and 3

Pa. $23^{\circ} 15'$ East

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

79.52 Intersected North Boundary 137 lbs

East of post in mound corner to Sec.

2 & 3 from which corner I run

$50^{\circ} 59'$ East on a true line between

Sections 2 and 3

Pa. $22^{\circ} 00'$ East

39.52 Set Stone $16 \times 12 \times 10$ on North

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

79.52 The corner to Sections 2, 3, 10 and 11 ⁺⁵⁰⁰

Land: Surface north slope of Mountain
Soil 1st 2nd and 3rd rate most
of it good farming land;
excellent grass

Not. There is a farm and house on section

Three N. E. $\frac{1}{4}$ not in sight from line

I did not hear the name of owner

North between sections 33 and 34

Pa. 19° East

40.00 Set Fir Post for $\frac{1}{4}$ Sec. cor. on +180
nearly level surface

A Fir 18 in. diam. brs. East 34 lks dist

" " 7 " " " " $N. 85^{\circ} W. 61$ " "

73.50 Spring Branch course west

80.00 Set Basalt stone $17 \times 8 \times 7$ on South -150
slope in small open glade for
cor. to sec. 27. 28. 33 and 34

A Pine 24 in. diam. brs. $N. 44^{\circ} E$ 201 lks dist

" " 20 " " " " $S 28^{\circ} E$ 149 " "

" " 13 " " " " $S 80^{\circ} W. 125$ " "

No tree near in sec. 28

Land: Surface Mountainous; soil
 3^{rd} and 2^{nd} rate: heavy timber
with occasional open glades Pine
Tamarack and Fir. Some young
Pine, Fir and Tamarack under brush

May 6th 1879

East on a random line between sec. 27 and 34

Pa. $22^{\circ} 30'$ East

4000 Set post for temporary $\frac{1}{4}$ sec cor
79.36 Intersected N. and S line 22 lks
south of corner to sec. 26.27.34 and 35 -
from which corner I run
S. $89^{\circ} 51'$ West on a true line
between sections 27 and 34

Pa. 21° East

39.68 Set Basalt stone $17 \times 11 \times 7$ on level
in small open glade for $\frac{1}{4}$ sec. cor.
A Pine 6 in. diam. brs. N. 60° W 105 lks. dist
" " 18 " " " S. 12° W 108 " "
41.00 Road S.E. & N.W. along summit of mountain
79.36 The cor. to sec. 27.28.33 and 34
Land: surface undulating
table land; soil 2nd rate
Timber. heavy in places with
open glades Pine Tamarack
and Fir some Willow under-
brush

North between sections 27 and 28

On $22^{\circ} 30'$ East

36.50 Spring Branch course S.W.

40.00 Set Granite Stone $16 \times 12 \times 5$ on S.W.

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

A Pine 18 in. diam. brs. N. $62^{\circ} E$ 11 lks dist

" Fir 10 " " " N. $51^{\circ} W$ 17 " "

61.00 Road S.E. & N.W. along Summit

64.00 Spring Branch course N.W.

80.00 Set granite Stone $20 \times 14 \times 5$ on
west face of rocky peak for
corner to sections 21, 22, 27 and 28

A Pine 14 in. diam brs. N. $31^{\circ} E$ 24 lks dist

" Fir 8 " " " S $30^{\circ} E$ 36 " "

" " 10 " " " S $20^{\circ} W$ 30 " "

" Pine 12 " " " N $72^{\circ} W$ 52 " "

Land: Surface broken; soil
third rate and rocky; heavy timber
Pine Tamarack and Fir

Subdivisions of Township No. 3 South Range 31
East Willamette Meridian, Oregon.

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East on a random line between sections 22 and 27

Pa. 21° East

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

79.68 Intersected N. and S. line 40 lks
south of corner to sections 22, 23, 26

and 27 from which corner I run

N. 89° 43' West on a true line
between sections 22 and 27

Pa 21° 30' East

3500 Brook 4 lks wide course N.E

39.84 Set Granite Stone 20 x 12 x 10 on S.E.

side of knoll for $\frac{1}{4}$ sec. cor.

Pine 48 in. diam. brs. N. 8° W. 103 lks dist

Fir 6 " " " S 58° E 54 " "

79.68 The corner to sec. 21, 22, 27 and 28

Level: Surface very much
chopped and broken; soil

3rd rate and rocky; heavy

timber Tamarack Pine and
Fir

North between sec. 21 and 22

Pa. 21° East

- 28.50 Spring branch course N. W
40.00 Set Pine post 4 in. diam. and
4 ft long on west side of ridge
east of spring branch for $\frac{1}{4}$ sec cor
A Fir 7 in. diam. br. S 58° E 8 lks dist
" Tamarack 9 " " " west 10 " "
43.50 Spring branch course N. E
80.00 Set Granite Stone 16 x 10 x 8 on - 500
east side of ridge for corner
to sections 15, 16, 21 and 22
A Willow 8 in diam. br. N. 48° E. 26 lks dist
" Pine 13 " " " S. 44° E. 13 " "
" " 24 " " " S. 58° N. 42 " "
" " 36 " " " N. 30° W. 56 " "

Land: Surface mountainous
Soil 2nd and third rate; good
timber Pine Tamarack and
Fir

May 7th 1879

East on a random line between
Sections 15 and 22

Pa. $20^{\circ} 15'$ East

40.00 Set post for temporary $\frac{1}{4}$ Sec. corner
80.68 Intersected N. & South line 78 lbs
north of corner to sections 14, 15, 22
and 23 from which corner I run
N. $89^{\circ} 27'$ West on a true line
between section 15 and 22

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

40.34 Set Basalt stone $18 \times 14 \times 10$ on top +350
of spur for $\frac{1}{4}$ Sec. cor
A Fir 20 in. diam. lbs. N. $42^{\circ} E$ 95 lbs dist
to tree on south side

55.50 Brook 6 lbs wide course N. E - 500

80.68 The corner to Sec. 15, 16, 21 and 22 +700

Land: Surface Mountainous
Soil 3rd and 2nd rate; heavy
timber Pine, Tamarack and
Fir

Eastern boundary line between sections

North between sections 15 and 16

Bear. $20^{\circ} 15'$ East

3.00 leave timber co. E & W.

down near summit of ridge

40.00 Set Basalt Stone $14 \times 12 \times 6$ on
west side near top of ridge
for $\frac{1}{4}$ Sec. corner.

80.00 Set Basalt Stone $18 \times 14 \times 6$ on - 500

west face of ridge for corner

to sections 9, 10, 15 and 16. drove

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

Land: surface mountainous;

soil 2nd and 3rd rate; good

grap. part good farming
land

East Willamette Meridian, Oregon.

East on a random line between sec. 10 and 15

Pa. $21^{\circ} 30'$ East40.00 Set post for temporary $\frac{1}{4}$ sec. cor

80.20 Intersected N and S line 48 ch

North of corner to sections 10, 11, 14

and 15 from which corner. I run

N. $89^{\circ} 39'$ West on a true line between

Sections 10 and 15

20

Pa. $21^{\circ} 00'$ East

00.15 Brook 28 chs. wide course N.W.

20.00 On ridge course N and S. + 400

32.00 Brook 6 chs wide co north - 360

40.10 Set Granite Stone $14 \times 10 \times 5$ onEast side of ridge for $\frac{1}{4}$ sec. cor.A Tamarack $1\frac{1}{8}$ in. diam. brs. N. 30° E. 2 chs dist

" " 8 " " South 10 " "

60.00 Leave timber N.E. & S.W.

70.00 On ridge extending N and S. + 500

80.20 The corner to sec. 9, 10, 15 and 16 - 250

Land: Surface Mountainous; soil 3rd and2nd rat; good timber on 6.66.00 chs; goodgrass on prairie May 8th 1879

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Subdivisions of Township No. 3 South Range 31
East Willamette Meridian, Oregon.

North between sections 9 and 10
Pa. $21^{\circ} 30'$ East

Down along west side of ridge. Scattering timber

40.00 Set Granite stone $18 \times 10 \times 8$ on west
side of ridge for $\frac{1}{4}$ sec. cor.

57.00 Spring branch course N.E. - 600

80.00 Set Basalt stone $14 \times 12 \times 5$ in + 100

Mound of stone on East hillside
for corner to sections 3, 4, 9 and
10 drove stake and raised
mound of stone in lieu of pits

Land: Surface Mountainous;
Soil 2nd and 1st rate and
large part good for farming
Some scattering timber
good bunch grass

Subdivisions of Township No. 3 South Range 31
East Willamette Meridian, Oregon.

150

East on a random line between sections 3 and 10

Pa. 20° 00' East

- 40.00 Set post for temporary 1/4 sec. cor.
- 80.70 Intersected N. and S line 78 lks
North of corner to sections 2, 3, 10
and 14. from which corner. I run
N. 89° 27' West on a true line
between sections 3 and 10

Pa. 23° 15' East

- 6.50 Road to Sawmill course N.W. & S.E
- 40.35 Set Basalt Stone 14 x 10 x 5 on west
side of mountain for 1/4 sec cor. -
- 48.50 Brook 30 lks wide course north - 800
- 66.00 on ridge course N. and S. +400
- 75.50 Brook 4 lks wide course N. E. - 250
- 80.70 The corner to sections 3, 4, 9 and 10 + 150

Land: Surface mountainous; soil
3rd and 2nd rate; some timber along
creek Pine Fir and Cotton-wood
good bunch grass

North on a random line between sections 3 and 4

Pa. $20^{\circ} 00'$ East

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

78.96 Intersected North Boundary 100 lbs
 west of stone corner to sections 3
 and 4 from which corner I run
 $S^{\circ} 00' 46''$ West on a true line
 between sections 3 and 4

Pa. $22^{\circ} 30'$ East

31.00 Deep Gulch opens N.E. — 200

38.96 Set Basalt stone $20 \times 12 \times 8$ on N.W.
 face of ridge for $\frac{1}{4}$ Sec. cor.

78.96 The corner to sections 3, 4, 9 and 10 + 400

Land: surface Mountainous;
 Soil 3rd rate small part 2nd rate
 good grass

May 9th 1879

North between sections 32 and 33

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

- 12.50 on Summit plateau Enter Prairie $+250$
- 31.00 Enter timber again
- 40.00 Set Fir post on n.w. descent
for $\frac{1}{4}$ sec. cor.
- A Tamarack 10 in. diam. brs N. $85^{\circ} E$ 17 lbs dist
- " " 8 " " " S $58^{\circ} W$ 30 " "
- along west descent
- 80.00 Set granite Stone $16 \times 10 \times 6$ on -150
west slope for corner to sections
28, 29, 32 and 33 from which
- A Tamarack 4 in. diam. brs. N. $58^{\circ} E$ 24 lbs dist
- " " 18 " " " S. $30^{\circ} E$ 55 " "
- " " 3 " " " S. $28^{\circ} W$ 25 " "
- " " 18 " " " N. $48^{\circ} W$ 59 " "

Land: Surface mountainous;
Soil 3rd and 2nd rate; groves of
good timber with open glades
Pine Tamarack and Fir

East on a random line between sections 28 and 33

Pa. $20^{\circ} 45'$ East.

40.00 Set post for temporary $\frac{1}{4}$ sec. cor
79.88 Intersected N. and S line 27 lks
South of corner. To sections 27. 28. 33
and 34 from which corner I run
 $S. 89^{\circ} 57'$ West on a true line
between sections 28 and 33

Pa. $22^{\circ} 30'$ East

39.94 Set Stone $12 \times 10 \times 6$ on N. W. slope
for $\frac{1}{4}$ sec. corner.

A Pine 6 in. diam brs N. $68^{\circ} E. 28$ lks. dist.

" " 8 " " " S. $42^{\circ} E. 15$ " "

43.50 Brook 8 lks. wide course N. W. -- 350

79.88 The corner to sections 28. 29. 32 and 33
Land: surface broken; soil 2nd
and 3rd rate; heavy timber
Pine Tamarock and Fir

North between sections 28 and 29
Pa 20° 45' East

- 9.00 Brook & lks. wide course west -100
- 40.00 Set granite Stone 18x12x5 on south
Slope for 1/4 Sec. cor.
- A Tamarack 6 in diam. brs. N. 58° E 34 lks dist.
- " Pine 18 " " " N. 56° W. 24 " "
- 44.50 Road N. E & S. W. to timber
- 66.50 " S. E. and N. W. along summit
- 71 and to Saw-Mill
- 71.00 Spring branch course N. W.
- 80.00 A Tamarack on 8 in. diam on N. W.
Slope for corner to sections
20, 21, 28 and 29
- A Tamarack 24 in. diam. brs. N. 36° E. 93 lks. dist.
- " " 20 " " " S. 54° E. 86 " "
- " " 16 " " " S. 8° W. 58 " "
- " " 14 " " " N. 85° W. 69 " "

Land: Surface irregular Moun-
tain Summit. Soil 3rd and
2nd rate: good timber with some
open glades Pine. Tamarack and Fir

East on a random line between sec. 21 and 28

Pa. $21^{\circ} 00'$ East

40.00 Set post for temporary $\frac{1}{4}$ sec. cor.
79.56 Intersected N. and S. line 46 lks
south of corner to sections 21, 22,
27 and 28 from which cor. I run
 $S. 89^{\circ} 40'$ West on a true line
between sections 21 and 28

Pa. $21^{\circ} 00'$ East

12.00 Road to Summit road
39.78 Set pine post on east slope +100
for $\frac{1}{4}$ sec. cor.

A Tamarack 14 in. diam. brs. N. $25^{\circ} E. 49$ lks dist
" " " " " " $S. 12^{\circ} E 47$ "

76.00 Road to Saw-Mill and Summit
course N. E & S. W.

79.50 The corner to Sec. 20, 21, 28 and 29 - 250

Land; surface Mountainous;
Soil 3rd rate heavy timber
Pine Tamarack and Fir

May 12th 1879

North between sections 20 and 21

Pa 21° 00' East

- 22.00 Spring branch course West-
 24.50 Leave timber C & N
 40.00 Set Basalt Stone 14 x 12 x 4 on
 level for 1/4 sec. cor.
 45.50 Road to Saw-mill N. W. & S. E
 66.00 Enter timber S. E. & S. W
 74.00 Brook 5 lks wide course N. W.
 75.00 Leave timber S. E. & S. W. -300
 80.00 Set Basalt Stone 16 x 12 x 10 +50
 in mound of stone on
 west side of ridge for corner
 to sections 16, 17, 20 and 21
 A Fir 12 in. diam. brs. S 28° W. 129 lks dis,
 no other trees near

Land: surface Mountain-
 ous. Soil 2nd 3rd and 1st rate
 Timber heavy Pine Tamarack
 and Fir; good grass
 on prairie; there are several
 cabins on S. W. 1/4 of sec 21 not seen
 from line

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Subdivisions of Township No. 3 South Range 31
East Willamette Meridian, Oregon.

East on a random line between sec. 16 and 21
Pa. $22^{\circ} 00'$ East

40.00 Set post for temporary $\frac{1}{4}$ sec. cor
79.90 Intersected N and S. line 86 lks
South of corner to sections 15, 16, 21,
and 22 from which corner I run
 $S. 89^{\circ} 23'$ West on a true line
between sections 16 and 21

Pa. $20^{\circ} 15'$ East

6.00 Leave timber N. & S.
38.50 Road S.E. & N.W.
39.00 Spring Branch course N.W. and enter timber - 250
39.95 set granite stone $18 \times 14 \times 10$
on north side of small
knoll for $\frac{1}{4}$ sec. cor.

A Fir 30 in diam brs. $N. 45^{\circ} W.$ 26 lks dist
" Pine 36 " " " $S 45^{\circ} E$ 52 " "

55.00 Leave timber co. S.E. & N.W.
60.00 on ridge co. N. & S. + 300

79.96 The corner to sec. 16, 17, 20 and 21 - 350
Land: surface mountainous soil. 3rd and 2nd
rate, heavy timber on N.E. slopes Pine Fir
and Tamarack; good grass on prairie

North between sections 16 and 17
Pa. 22° 00' East -

21.00 On ridge Extending N.W. & S.E. +150

40.00 Set Basalt stone 14x10x5 on
east side of ridge for 1/4 sec. cor.

73.00 Road N.W. & S.E. to timber

75.00 Brook 4 lks wide co N.W. - 700

80.00 Set Basalt stone 16x10x8 in
mound of stone on west side
of ridge for corner. to sections
8, 9, 16 and 17 and set post -

in mound of stone in lieu of pits
Land surface Mountainous
Soil 3rd 2nd and 1st rate;

good grass some good
farming land on 1/2 mile

East on a random line between sec. 9 and 16

Pa. 22' 30' East -

40.00 Set post for temporary $\frac{1}{4}$ sec. cor.
 80.62 Intersected N and S line 78 lks
 South of corner to sec. 9, 10, 15 and 16
 from which corner I run
 S. 89° 27' West on a true line
 between sections 9 and 16

Pa. 21° 30' East -

13.00 Spring branch course north - 150
 32.00 on spur extending north + 400
 39.00 Gulch opens north - 100
 40.31 Set Basalt Stone 14 x 12 x 10 on
 E. side of spur for $\frac{1}{4}$ sec. cor.
 48.00 on spur extending north + 100
 80.62 The corner to sec. 8, 9, 16 and 17 - 450

Land: surface Mountainous
 Soil 3rd and 2nd rate good
 grass good for grazing

May 13th 1879

North between Sections 8 and 9
Pa. $22^{\circ} 30'$ East

- 2000 leave Mountain proper. and
emerge on rolling prairie
- 40.00 Set Basalt stone $14 \times 10 \times 6$ on
west slope of hill for $\frac{1}{4}$ sec. cor.
- 80.00 Set stone $16 \times 10 \times 10$ in mound - 80
of stone on level for corner
to sections 4, 5, 8 and 9
drove stake and put mound
of stone around stake in
lieu of pits;
Land: surface rolling;
soil 2nd and 1st rate
excellent grass;
adapted to grazing

East on a random line between sec. 4 and 9

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

40.00 Set Post for temporary $\frac{1}{4}$ Sec. cor
80.40 Intersected N. and S. line 68 lbs
South of cor. to sec. 3. 4. 9 and 10
from which corner. I run
 $S. 89^{\circ} 31'$ West on a true line
between sections 4 and 9

Pa. $20^{\circ} 00'$ East

40.20 Set Basalt stone $16 \times 10 \times 8$ +250
on east slope for $\frac{1}{4}$ Section
corner

69.50 Spring branch course N.W. -200

80.40 The corner to sections +50

4. 5. 8 and 9

Land surface rolling;
Soil 3rd and 2nd rate

good grass; adapted
to grazing.

North on a random line between sec. 4 and 5 -
Bearing $20^{\circ} 30'$ East -

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

79.70 Intersected North Boundary 90
lks. west of Post corner to sections
4 and 5 from which corner True
S. $00^{\circ} 39'$ West on a true line between
Sec. 4 and 5

Bearing $20^{\circ} 30'$ East -

39.70 Set Basalt Stone $24 \times 14 \times 9$ on +150
west face of hill for $\frac{1}{4}$ sec
corner.

53.00 House bears. S 70° W.

65.00 " " N. 68° W

74.00 Spring Branch course N. W.

79.70 The cor. to sec. 4, 5, 8 and 9 - 100

Land, surface, rolling;
Soil 3rd 2nd and small part
first rate good grass
well adapted to grazing

May 14th 1879

- North between sections 31 and 32
Pa. $23^{\circ} 00'$ East —
- 40.00 Set Fir post on summit of
ridge for $\frac{1}{4}$ sec. corner. + 400
A Fir 10 in. diam. brs. N. 62° E. 20 lks dist
" " 12 " " " " N. 54° W. 44 " "
- 80.00 Set Fir post 4 in. square 4 ft. long + 60
2 ft in ground, on level for
corner to sections 29, 30, 31 & 32
A Pine 20 in. diam. brs. N. 37° E. 122 lks. dist
" " 24 " " " " S. 60° E. 140 " "
" " 18 " " " " S. 68° W. 80 " "
" " 20 " " " " N. 47° W. 73 " "

Land: Surface. $\frac{5}{12}$ mile south
slope of mountain $\frac{1}{12}$ mile flat-
eaw on summit and undu-
lating; Soil 2nd rate part 3rd

rate: heavy timber but much
of it cut away in places
Pine Tamarack and Fir

East on a random line between Sec.
29 and 32

Pa. 21° 15' East

40.00 Set Post for temporary 1/4 sec. cor
79.80 Intersected N and S line 16 lks
south of cor. to Sec. 28.29.32 and
33. from which corner I run
S 89° 53' West on a true line
between sections 29 and 32

Pa. 20° 45' East

6.75 Brook 8 lks wide course S.W. -100
39.90 A Pine 5 in diam, on N.W. slope of
Mountain for 1/4 sec. cor.

A Tamarack 13 in diam brs. North 23 lks dist
" Pine 6 " " " S. 50° E. 40 " "

79.80 The corner to sections 29.30.31
and 32

Land: Surface mountainous;
Soil 2nd rate part 3rd rate
heavy timber Pine, Tamarack
and Fir

May 15th 1879

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East Willamette Meridian, Oregon.

West on a random line between sec. 30 and 31

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

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

80.75 Intersected West Boundary 20 lks
North of stone corner to sections
30 and 31 from which corner I run
 $N. 89^{\circ} 51'$ East on a true line
between sections 30 & 31

11.00 Enter timber co. ~~N. & S.~~
^{Pa. $20^{\circ} 00'$ East}

36.00 House 60 lks south of line

40.75 Set Pine post for $\frac{1}{4}$ sec. cor

A Pine 14 in diam. brs. north 115 lks dist

" " 20 " " " S. 5° E 125 "

54.50 Saw-Mill bears south 300 lks

A number of other buildings near

59.00 Road to Saw-Mill

80.75 The corner to sections 29, 30, 31 and 32

Land: surface undulating;
Soil 2nd rate good timber, but
most of it cut away, Pine
Fir and Tamarack

North between sections 29 and 30

Pa. 21° 15' East

22.50 Road to Saw Mill co. N.E. & S.W.

32.00 Leave timber course E & W.

40.00 Set Basalt Stone 20 x 14 x 5 on
S.E. slope for 1/4 sec. cor.

80.00 Set Basalt Stone 15 x 10 x 10 on
N.E. face of spur for corner
to sections 19, 20, 29 and 30

A Pine 4 in. di. brs. N. 72° E 91 lks. dist

" " 6 S 88° E 164" "

" " 30 N 28° W 212" "

No tree in sec. 30

Land: surface undulating
plateau; soil 2nd and 3rd rate
heavy timber on S 32.00 chs
Pine, Tamarack and Fir
good grass on prairie

49

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Subdivisions of Township No. 3 South Range 31
East Willamette Meridian, Oregon.

East on a random line between sec. 20 and 29

Pa. $21^{\circ} 00'$ East

40.00 set post for temporary $\frac{1}{4}$ sec. cor
79.88 Intersected N. and S line 26
lks south of cor. to sec. 20. 21. 28 and
29 from which cor. I run
 $S. 89^{\circ} 49'$ West on a true line
between sections 20 and 29

Pa. $21^{\circ} 00'$ East

33.00 Spring branch co. Ch. W. ⁻¹⁰⁰ - 100

39.94 A Tamarack 16 in. diam. on
north slope for $\frac{1}{4}$ sec. cor.

A Fir 20 in diam. brs. N. $42^{\circ} E 38$ lks dist

" " 12 " " S $13^{\circ} N. 46$

66.25 Brook 6 lks. wide co. Ch. W. - 150

79.88 The cor. to sec. 19. 20. 29 and 30 + 30

Land: surface mountainous;
Soil 2nd and 3rd rate heavy
timber Pine Tamarack
and Fir

West on a random line between sections 19 and 30

Pa. 21° 00' East

40.00 ^{40.00} Set post for temporary 1/4 sec. cor
 79.20 ^{79.20} Intersected West Boundary 22 chs
 north of cor. to sec. 19 and 30
 from which corner I run
 N. 89° 51' East on a true line
 between sections 19 and 30

Pa. 21° 15' East

19.50 ^{19.50} Brook 6 lks wide co. N. & E - 350
 35.00 ^{35.00} " " " " N. N. & Clear timber
 39.20 ^{39.20} Set Basalt stone 15 x 12 x 5 on west
 side of ridge for 1/4 sec. cor.
 60.00 ^{60.00} On ridge co. N. and S + 300
 63.00 ^{63.00} Center timber co. N. & S
 67.00 ^{67.00} Brook 3 lks wide co. North ^{timber} leave - 200
 79.20 ^{79.20} The cor. to sec. 19.20.29 and 30 + 250

Land: surface mountainous;
 Soil 3rd and 2nd rate good
 timber Pine Fir and
 Tamarack good grass in
 open ground May 16th 1879

North between Sections 19 and 20

Pa. $21^{\circ} 00'$ East.

2.00	Enter timber co. N.W. & S.E.	
17.00	Brook 8 lbs wide co. N.W.	-400
18.00	Leave timber course N.W. & S.E.	
37.00	Enter timber again co N.W. & S.E.	+300
40.00	Set Basalt Stone $14 \times 12 \times 5$ on west face of Mountain for $\frac{1}{4}$ Sec. corner	-50

A Pine 12 in. diam. brs. S. 42° E 45 lbs dist" " 12 " " " S. 80° W. 80 " "

56.00	Brook 6 lbs wide course N.W.	-250
60.50	Leave timber course E. & W.	
80.00	Set Basalt Stone $18 \times 14 \times 7$ on S.W. face of Mountain for $\frac{1}{4}$ Sec. cor to Sec. 17. 18. 19 and 20. From which dressed stake and raised mounds of stone around stone and stake in lieu of pits	

Land: Surface Mountainous: Soil 3rd and
2nd rate: good timber Pine, Fir & Tamarack
good grass in openings

East on a random line between sections 17 and 20

Pa. $25^{\circ} 15'$ East

40.00 ^{40.00}

Set post for temporary $\frac{1}{4}$ section cor

79.40 ^{79.40}

Intersected N. and S. line 64 lbs south of corner to Sec. 16, 17, 20 and 21 from which corner I run

S. $89^{\circ} 33'$ West on a true line between Sec. 17 and 20

Pa. $22^{\circ} 00'$ East

4.00 ^{4.00}

Brook 5 lbs wide course N. W. & center timber 60

15.00 ^{15.00}

Leave timber N. W. & S. E

25.50 ^{25.50}

Road to Sawmill course N. W. & S. E + 200

39.70 ^{39.70}

Set pine post 4 in diam and 4 feet long - 300 on South slope for $\frac{1}{4}$ sec. cor. Raised

Mound of stone around post in lieu of pits

79.40

The cor. to Sec. 17, 18, 19, and 20

Land: Surface Mountainous; soil

3rd & second rate; some heavy timber

good grass in open ground; timbers

Pine Fir and Tamarack

West on a random line between sections 18 and 19

Pa. $25^{\circ} 15'$ East

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

79.82 Intersected West Boundary 74 lbs
North of stone corner to Sec. 18 and
19 from which corner I run
N. $89^{\circ} 28'$ East on a true line
between sections 18 and 19

Pa. $21^{\circ} 00'$ East

39.82 Set Basalt Stone $15 \times 11 \times 5$ on south
face of ridge near a ravine open-
ing westward for $1/4$ Sec. cor.

79.82 The corner to sections 17, 18, 19 and 20 ⁺³⁰⁰

Land: Surface Mountain side;
Soil 3rd and 2nd rate; good bunch
grass good for grazing

North between Sections 17 and 18

Ba 25° 15' East

^{22.00} 22.00 Road to timber & Saw-mill co. N.W. & S.E. + 250

^{40.00} 40.00 Set Basalt Stone 15x12x7 on west - 250

side of spur extending north-
ward for 1/4 Sec. cor.

^{69.50} 69.50 Spring Branch course N.W. - 250

^{80.00} 80.00 Set Basalt Stone 18x14x6 on
west face of spur for corner to
Sections 7, 8, 17 and 18. drove
stake and raised mounds of
stone around stone and stake
in lieu of pits

Land: Surface Mountainous; Soil
3rd and 2nd rate; good bunch
grass well adapted to grazing

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East Willamette Meridian, Oregon.

East on a random line between Sec. 8 and 17
Pa. $22^{\circ} 30'$ East.

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

79.82 Intersected N. and S line 34 lbs south
of corner to sections 8, 9, 16 and 17
from which corner I run
S. $89^{\circ} 45'$ West on a true line
between sections 8 and 17
Pa. $22^{\circ} 30'$ East

1.50 Brook 6 lbs wide course N.W. - 20 -

2.50 Road to Timber co N.W. & S.E.

A Cabin lbs. North 150 lbs distant

24.00 on spur extending northward $+350$ 350

39.00 Brook 10 lbs wide co. north $+300$ 300

39.91 Set Basalt Stone $16 \times 10 \times 4$ for $\frac{1}{4}$ Sec. cor

66.00 On spur extending northward + 400

79.82 The corner to Sec. 7, 8, 17 and 18 - 200

Land: Surface Mountainous;
Soil 3rd and 2nd rate good bunch
grass adapted to grazing

May 17th 1879

Subdivisions of Township No. 3 South Range 31
East Willamette Meridian, Oregon.

West on a random line between sections 7 and 18

Pa. 22° 30' East

40.00
 40.00 Set post for temporary 1/4 Sec. cor.
 78.82 78.82 Intersected West Boundary 68 lbs
 North of stone corner to sections 7 and
 18 from which corner I run
 N. 89° 31' East on a true line
 between sections 7 and 18

Pa. 20° 00' East

18.00 19.00 Road to timber and Saw Mill co. A. W. + 50
 27.00 27.00 Spring Branch co. north - 100
 38.82 38.82 Set Basalt Stone 20x12x5 on slight
 north slope for 1/4 Sec. cor. + 100
 52.50 52.50 Spring Branch co north - 100
 74.50 74.50 " " " A. W.
 78.82 78.82 The corner to sections 7, 8, 17 and 18 + 50

Land: Surface rolling; Soil
 2nd 3rd and small part 1st rate,
 good bunch grass; Part of
 Sec. 18 is good farming land; a house
 on Ch. W. 1/4 cannot be seen from line

North between sections 7 and 8

Pa. $22^{\circ} 30'$ East

- 12.00 Leave Mountains proper and
emerge on rolling Prairie
- 40.00 Set Basalt Stone on East Slope - 80
for $\frac{1}{4}$ Sec. cor.
- 80.00 Set Basalt Stone $16 \times 14 \times 5$ on east
slope for cor. to Sec. 5, 6, 7 and 8
drive Stake and raised Mounds
of Stone around Stone and
Stake in lieu of pits
- Land: Surface rolling; soil 3rd
and 2nd rate; good grass;
adapted to grazing.

East on a random line between sections 5 and 8
Cra. 22° 00' East,

40.00 ^{40.00} Set post for temporary 1/4 Sec. cor.
80.32 ^{80.32} Intersected N. and S. line 14 lks.
South of corner to Sec. 4, 5, 8 and
9. From which cor. I run
S. 89° 54' West on a true line
between sections 5 and 8

Cra. 20° 30' East,

8.00 ^{8.00} Brook 8 lks. wide co north - 50
9.00 ^{9.00} Road to timber co N. & S.
40.16 ^{40.16} Set Basalt Stone 14 x 12 x 8 on ridge + 150
Extending N. & S. for 1/4 Sec. cor.
58.50 ^{58.50} brook 10 lks wide co north - 60
59.00 ^{59.00} Road to timber co. N. & S.
68.50 ^{68.50} Spring branch co N. & E
80.32 ^{80.32} The cor. to Sec. 5, 6, 7 and 8 + 60

Land: surface rolling: soil
2nd 3rd and some 1st rate. good
graf. Some good farming land on
this mile

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Subdivisions of Township No. 3 South Range 31

East Willamette Meridian, Oregon.

West on a random line between sections 6 and 7

Pa. $22^{\circ} 00'$ East40.00 Set post for temporary $\frac{1}{4}$ Sec. cor.

78.88 Intersected West Boundary

58 lks North of stone corner!

to sec. 6 and 7 from which cor. I run

N. $89^{\circ} 35'$ East on a true line

between sections 6 and 7

Pa. $21^{\circ} 00'$ East

14.50 Road to Saw Mill Co. Ch. & S. + 50

37.00 Brook 5 lks. wide course north - 150

38.88 Set Basalt Stone $14 \times 10 \times 5$ - east of
brook for $\frac{1}{4}$ Sec. cor.

78.88 The corner to sec. 5, 6, 7, and 8

Land surface rolling; soil
3rd and 2nd rate good for
good for grazing.

There is a farm on north
 $\frac{1}{2}$ of sec. 6 but I did not
learn the name of owner

North on a random line between sec. 5 and 6.

Pa. 22° 00' East

40.00 ^{40.00} Set post for temporary 1/4 Sec. cor.

80.10 ^{80.10} Intersected North Boundary 242 chs west of cor to sec. 5 and 6 from which corner I run

S 1° 43' West on a true line between sections 5 and 6

Pa. 20° 00' East

James M. Drake's house brs. S. 17° E

Also a house bears S. 59° W. about 24.00 chs dist

15.30 ^{15.50} Fence and field co. S. E & N. W.

16.50 ^{16.50} Brook 12 chs wide co. N. W. - 100

23.00 ^{23.00} Leave field fence & road N. W. & S. E

30.00 ^{30.00} James M. Drake's brs. S 60° E

40.10 ^{40.10} Set Basalt Stone 14 x 12 x 7 on east + 100

slope for 1/4 Sec. cor.

80.10 ^{80.10} The cor to sec. 5, 6, 7 and 8

Land: surface rolling; soil 2nd and 1st rate and good for farming; good bunch grass

May 19th 1879

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General Description

The surface of this Township is nearly all mountainous. Sections 4. 5. 6. 7. 8. 9 and the N.W. $\frac{1}{4}$ of sec. 18 are properly high rolling prairie. The summit of the Western Spur of the Blue Mountains extends through the Southern portion of the Township causing a small part to slope south ward. The canyons are deep and the ridges steep and high.

The soil is mostly third rate and not adapted to farming in many places. There are small tracts of from 40 to 100 acres that would produce well. The soil being good 2nd rate. There is quite a large amount of 2nd rate soil and some first rate; nearly all the first rate is already claimed. The timber is general thick on

The ground but the trees are not generally of large size: Pine is most plentiful Tamarack and Fir also abound

The principal underbrush consists of groves of young Pine Fir and Tamarack. There is a very small amount of Willow.

There is one settler on sec. 3, two on sec. 5 one on sec. 6 one on sec. 8 two on sec. 11 one on sec. 14 one on sec. 18 one on sec. 21 and several on sec. 31

I found all the corners and witness trees as describe in the field notes furnished by the office

Note - I am satisfied that there are errors in the measurement of the North Boundary of this Township. but I do not think that I ought to be compelled to trace them out

FINAL AFFIDAVIT OF ASSISTANTS.

We hereby certify that we assisted George S. Pershin Deputy Surveyor, in surveying the Subdivision lines of Township No. 3 South Range No. 31' 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 according 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.

James Morrison Chainman.

Homer Pershin Chainman.

..... Chainman.

Archibald McLeod Axeman.

..... Axeman.

..... Compassman.

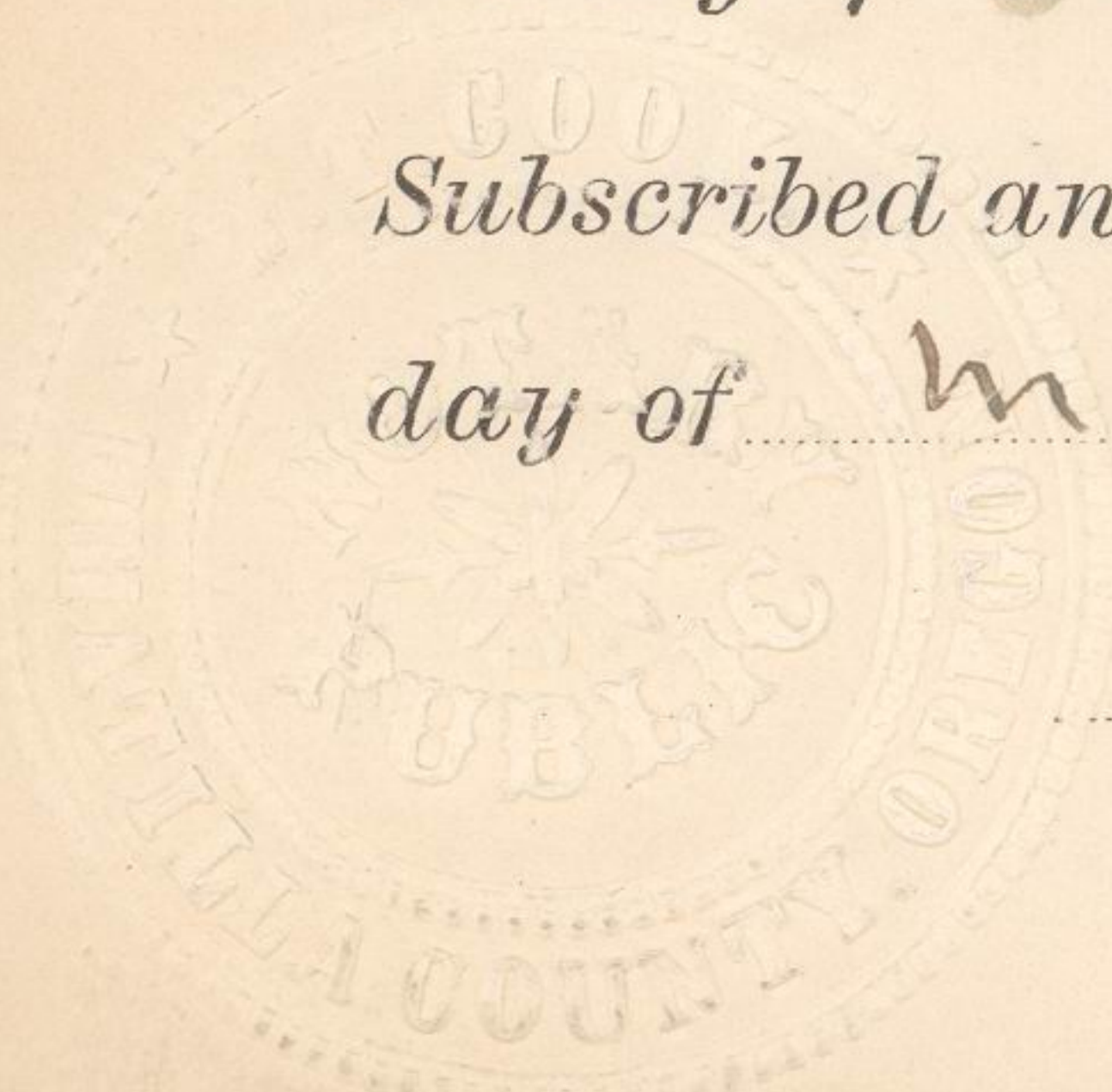
STATE OF OREGON,

County of Wasilla }

Subscribed and sworn to before me, this 23^d

day of May 1879

W. D. Lovell Notary Public



I George S. Pershin

Deputy Surveyor, do solemnly swear that in
pursuance of a contract with James C. Johnson
U. S. Surveyor General of the State of Oregon,
bearing date the 26th day of March
1879, and in strict conformity with the Print-
ed Manual of Instructions, and the instruc-
tions given me by the Surveyor General, I have
faithfully surveyed the Subdivision lines
of Township No. 3 South Range No. 31 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 Umatilla

Subscribed and sworn to before me, a Notary
Public in and for the said County and
State, this 23^d day of May 1879

Office U. S. Surveyor General,

Portland, Oregon, *May 28th* 1879

The foregoing Field Notes of the survey of
the Subdivisional lines of S. S. R. 31 E.
executed by *George H. Perkin U. S. Dept. Sur*
_____ under his contract No. 319.

Dated *March 26* 1879, having been criti-
cally examined, the necessary corrections and
explanations made, the said field notes and
the survey they describe, are hereby approved.

James C. Tolman
Surveyor General.

