

FIELD NOTES

Of the survey of the *Exterior and Subdivisional*
 Lines of *Township 2 South,*
Range 32 East, Willamette Meridian,
 Oregon, as surveyed by *Jno. C. Arnold,*
 U. S. Deputy Surveyor, under his Contract No. *551*
 dated *March 19th* 1890.

Survey commenced *September 28th* 1891
 Survey completed *October 5th* 1891

NAMES AND DUTIES OF ASSISTANTS.

George E. Waggoner, Compassman.

Jacob C. Hill, Chainman.

Clarence A. Hall, Chainman.

....., Chainman.

....., Chainman.

Isaac W. Kimball, Axeman.

....., Axeman.

....., Flagman.

PRELIMINARY OATHS OF ASSISTANTS.

We, *Jacob C. Hill and Clarence A. Hall*

do solemnly swear that we will faithfully execute the duties of Chain Carriers; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we will assist in measuring, to the best of our skill and ability, and in accordance with the instructions given us in the survey of the.....

Exterior and subdivisional

.....lines of *Township 2 South*

Range 32 East Willamette Meridian, Oregon.

Jacob C. Hill, Chainman.

Clarence A. Hall, Chainman.

....., Chainman.

....., Chainman.

Subscribed and sworn to before me, this *twelfth*

day of *September* 189*1*

[SEAL.]

W M Pierce
County Clerk

We, *Isaac W. Kimball* and

....., do solemnly swear that we will well and truly perform the duties of Axemen in the establishment of corners and other duties, according to instructions given ~~me~~ and to the best of ~~our~~ skill and

ability, in the survey of the *Exterior and subdivisional lines*

of Township 2 South Range 33 East Willamette Meridian, Oregon.

I W Kimball, Axeman.

....., Axeman.

Subscribed and sworn to before me, this *twelfth*

day of *September* 189*1*

[SEAL.]

W M Pierce
County Clerk

INDEX

Referring the Lines to the Pages of the Field Notes.

T. *2 South* R. *32 East* Will. Mer.

	6	5	4	3	2	1					
	7	8	9	10	11	12					
	18	17	16	15	14	13					
	<i>24</i>										
<i>23</i>	19	<i>25</i>	20	21	22	23	24				
	<i>27</i>					<i>2</i>	<i>1</i>				
<i>22</i>	30	<i>24</i>	29	28	27	<i>∞</i>	26	<i>4</i>	25		
	<i>21</i>		<i>19</i>	<i>15</i>	<i>12</i>		<i>9</i>		<i>5</i>		
<i>22</i>	31	<i>20</i>	32	<i>17</i>	33	<i>13</i>	34	<i>10</i>	35	<i>7</i>	36

Meanders of Pages to

Meanders of Pages to

Subdivisions of T. 2 South R. 32 East.
Willamette Meridian, Oregon.

Preliminary to completing the subdivision of this township, I run the S. and the E. bndy. of sec. 36, and found the courses and distances, practically the same as given in the exterior bndy. of the township.

Survey commenced Sep. 29th 1891, with a Burt's improved solar compass, with micrometer telescope attachment, manufactured by W. & L. E. Gurley, Troy N. Y.

I commence at cor. for secs. 19-24-25 & 30. on E. bndy. of the Tp., which is a basalt stone 16x12x11 ins. 12 ins. in ground, marked 4 notches on N. and 2 notches on S., on E. hill side, from which a prominent point of rock on E. side of little Pearson creek bears N. 66° E about 40 chs. dist.

Subdivisions of T. 2 South R. 32 East.

Willamette Meridian, Oregon.

(8093-10 M.)

Sat. North $45^{\circ}22'$.

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

Thence Iron, - Ascend hill, 35°
West on a random line bet. sees. 24+25.

12.50 Summit - Descend. +500'

35.10 Dry bed of creek - 20 lks. W. - course N. - Ascend.

★ 40.00 Set temp. $\frac{1}{4}$ sec. cor. - no traces of other cor.

53.50 Sum. of Ridge bears N. + S. - Descend.

64.00 Ravine course N. W. - Ascend.

65.00 Sum. of short ridge - Descend.

70.00 Ravine course N. E. - Ascend.

80.00 Set temp. cor. to sees. 23-24-25-26

No traces of any former cor.

va. $20^{\circ}00' E$.

I continue west bet. sees. 23+26

10.00 Summit - Descend hill.

19.00 Dry bed of creek, course N. - Ascend.

34.00 Summit - Descend hill, 40°

★ 40.00 Set temp. $\frac{1}{4}$ sec. cor. - no traces of other cor.

49.00 Enter brush.

★ Mid of stone 2 ft. h. x $3\frac{1}{2}$ ft. b

Subdivisions of T. 2 South R. 32 East.

Willamette Meridian, Oregon.

- 51.00 Johnson Creek Cañon $N 35^{\circ} E$ - running water
 Leave brush - Ascend 15° -700'
- 65.00 Sum. of saddle in ridge, course $N + S$ - Descen. +350'
- 80.00 Finding no traces of any former cor.,
 I set, at this point, a granite boulder
 $8 \times 8 \times 8$ ins. 6 ins. in ground for cor. to
 secs. 22-23-26-27, marked 2 notches on
 S., and 2 notches on E. face; dug pits
 $18 \times 18 \times 12$ ins. in each sec. ~~ca.~~ $5\frac{1}{2}$ ft.
 dist., and raised a md. of stone and
 earth 2 ft. h. \times $4\frac{1}{2}$ ft. b. over cor. on west
 hillside

va. $20^{\circ} 00' E$.

As I shall not need the $\frac{1}{4}$ sec. cor's.
 and having left at each a substan-
 tial stone md. 2 ft. h. \times $3\frac{1}{2}$ ft. b. I return
 to temp. cor. to secs. 23-24-25+26,
 and set, at true point for cor. to said
 secs., a basalt stone $16 \times 8 \times 5$ ins.
 12 ins in ground, marked 2 notches

Subdivisions of T. 2 South R. 32 East.

Willamette Meridian, Oregon.

(8093-10 M.)

on S, and 1 notch on E. face, and raised a md. of stone $1\frac{1}{2}$ ft. h. \times $3\frac{1}{2}$ ft. b. over cor.; pits impracticable
 The whole 160.00 chs., forming line bet. Secs. 24 + 25 and Secs. 23 + 26, passes over very rough and mountainous land. No timber except a few scattering Cotton wood trees on Johnson Creek. Soil 5" rate

South bet. Secs. 25 + 26. - Ascend 18°

va. $20^{\circ} 00' E.$

33.00 Summit of ridge. falls $S. 65^{\circ} W.$ - Descend 35° ^{+ 200'}

40.00 Set a basalt stone $12 \times 10 \times 5$ ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; raised a md. of stone 2 ft. h. \times $3\frac{1}{2}$ ft. b. over cor., on S.W. hill side; pits impracticable.

* 80.00 Set a basalt stone $18 \times 8 \times 6$ ins. 8 ins. in ground (digging imprac.) for cor. to Secs. 25-26-35-36, marked 1 notch

* 49.75 Cañon $N. 65^{\circ} W.$ dry ch. of Johnson Creek - 350

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

on S., and 1 notch on E. face; raised a
 md. of stone $1\frac{1}{2}$ ft. h. x $3\frac{1}{2}$ ft. b. over cor., on
 summit of mtn. Pits impracticable,
 from which a fir 24 ins. dia. bears $N. 30^{\circ} E.$
 110 lks. dist., marked T2SR32ES25B5.
 A fir 8 ins. dia. bears $N. 35^{\circ} W.$ 120 lks. dist.,
 marked T2SR32ES26B5. - No other tree in
 limits

Sand mtns. + stony 80.00chs - soil 5" rate.

Scattering pine + fir trees.

Sept. 29. 1891.

East on a random line bet sees. 25 + 36

va. $22^{\circ} 00' E$

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Int. E. body of Sp. at cor. to sees. 25 + 36,
 which is a basalt stone $18 \times 12 \times 6$ ins.
 8 ins. in ground, marked 5 notches on N.
 cor., and 1 notch on S. cor., in md. of stone
 2 ft. h. x $3\frac{1}{2}$ ft. b.

Subdivisions of T. 2 South R. 32 East.
Willamette Meridian, Oregon.

(8093-10 M.)

Thence Iron - Descend.
West on true line bet. secs. 25 & 36.
Ta. 17° 00' E.

- 2.50 Cañon, course N. 10° E. - Ascend 25° - 150'
- 25.00 Sum. of Ridge. falls N. - Descend 25° - 500'
- 39.25 Ravine, course N. 30° W. - Ascend 25° - 150'
- 40.00 Set a basalt stone 12 x 8 x 6 ins. 8 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face, from which a tamarack 12 ins. dia. bears S. E. 25 lks. dist., marked 1/4 S.B.T. A tamarack 12 ins. dia. bears N. 30° E. 20 lks. dist., marked 1/4 S.B.T.
- 46.00 Leave timber.
- 48.00 Sum. of Ridge. falls N. - Descend 20° - 450'
- 62.00 Enter timber.
- 63.50 Cañon, N. 20° W. - Ascend 15° - 300'
- 75.00 Leave timber.
- 80.00 The cor. to secs. 25-26-35-36.

Sand mtns. 80.00chs. Soil stony 5" rate
Timber pine, fir & tamarack 59.00chs. open.

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

South on a random line bet. secs. 35 & 36.

ba 22° 00' E

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Int. S. body. of Tr. at cor. to secs. 1-2-35 & 36, which is a basalt stone 20 x 15 x 10 ins. lying on the ground, - no visible marks nor mound, from which a pine 30 ins. dia. bears N E 30 lks. dist., marked T2 & R 32 E & 36 BT - a pine 24 ins. dia. bears N. 17° W. 63 lks. dist., marked T2 & R 32 E & 35 BT - no other trees found marked or blazed.

Thence run

North on true line bet. secs. 35 & 36.

ba. 21° 00' E.

Ascend through timber

22.50 Sum. of ridge. falls N.W. - Descend 15 - 150

33.50 Cañon, running water 4 lks W. course N 65 W - 700

40.00 Set a basalt stone 16 x 8 x 4 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$

Subdivisions of T. 2 South R. 32 East
Willamette Meridian, Oregon.

(8093-10 M.)

on W. face, from which a pine 8
ins. dia. bears E. 8 lks. dist., marked
1/4 S.B.T. - a pine 30 ins. dia. bears
S. 70° W. 24 lks. dist., marked 1/4 S.B.T.
on W. face of hill

- 40.50 Leave timber.
- 68.00 Sum. of Ridge. falls W. - Descend 10° + 100'
- 80.00 The cor. to secs. 25-26-35-36
Land mntns. 80.00 chs. - Soil stony 5" rate.
Timber, pine, fir, tamarack 40.50 chs., open.

South bet. secs. 26 + 27.

va. 20° 00' E.

- 12.50 Ravine, running water, course W. - Ascend ^{15°} 15°
- 28.00 Sum. of Ridge. falls NW. - Descend 20° + 200'
- 40.00 Set a basalt stone 20 x 12 x 10 ins. 15 ins.
in ground for 1/4 sec. cor., marked 1/4 on
on W. face, and raised a md. of stone
1 1/2 ft. h. x 3 1/2 ft. b. over cor. on W. hillside.
Pits impracticable.

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

50.00 Enter timber.

54.00 Ogilvey Creek 8 lks. W. = N. 45° W. - Ascend 25°.

80.00 Set a basalt stone 12 x 12 x 8 ins. 8 ins. in ground for cor. to secs. 26-27-34-35, marked 1 notch on S., and 2 notches on E. edge, and raised a md. of stone 1 1/2 ft. h. x 3 1/2 ft. b. over cor., from which a pine 14 ins. dia. bears N. 85° W. 53 lks. dist., marked T2SR32ES27BT. - A pine 38 ins. dia. S. 1° E. 135 lks. dist., marked T2SR32ES35BT. - No other tree in limits.

Sand minus 80.00chs. - Soil stony 5th rate.

Timber open pine, fir & tamarack 26.00chs.

East on a random line bet. secs. 26 & 35.

ra. 20° 00' E.

40.00 Set temp. 1/4 sec. cor.

79.35 Int. N. & S. line 59 lks. South or cor. to secs.

25-26-35 & 36.

Thence Iron

* Descend.

110

Subdivisions of T. 2 South R. 32 East.

Willamette Meridian, Oregon.

(8093-10 M.)

- S 89° 35' W. on true line bet. secs. 26 + 35.
va. 22° 00' E.
- * Descend
- 7.35 Ravine, course N. — Ascend 5° — 175'
- 12.35 Top of mntn. — Descend 5° + 1200'
- 39.68 Set a basalt stone 18 x 12 x 6 ins. 8 ins. in ground (digging imprac.) for 1/4 sec. cor., marked 1/4 on N. face, and raised a md. of stone 1 1/2 ft. h. x 3 1/2 ft. b. over cor., 160 lks. west of a ledge of basalt rock — Pits impracticable.
- 49.35 Enter timber
- 52.05 Ogilvey Creek 8 lks. W. — N. 15° E. — Ascend 25°
- 71.35 Sum. of Rdge. falls N. 35° E. — Descend 15° + 100'
- 74.85 Ravine, course N. E. — Ascend 15° — 150'
- 79.35 The cor. to secs. 26-27-34-35.
Sand mntns. 79.35 chs. — Soil stony 5" rate!
Timber pine, fir + tamarack 30.00 chs
Undergrowth same as timber 12.00 chs

South on a random line bet. secs 34 + 35
va. 20° 00' E.

Subdivisions of T. 2 South R. 32 East.

Willamette Meridian, Oregon.

40.00 Set temp. $\frac{1}{4}$ sec. cor.79.76 Int. S. bndy. of Tp. 50 lks. west of cor. to secs. 2-3-34-35, which is a basalt stone $18 \times 10 \times 6$ ins.marked 2 notches on E, and 4 notches on W. face, from which a pine 5 ins. dia. bears $N. 70^\circ E$. 40 lks. dist. marked T2SR32E S35BT. - A pine 6 ins. dia. bears $N. 5^\circ W$. 76 lks. dist., marked T2SR32E S34BT.Thence I run Descend
 $N. 0^\circ 22' W$. on true line bet. secs. 34+35
va. $20^\circ 00' E$.12.00 Canon, - water course $N. 30^\circ W$. - Ascend. - 100'17.00 Sum. of Ridge falls. $N. 30^\circ W$. - Descend.19.00 Ravine, course $N. W$. - Ascend - 300'

21.50 Leave timber.

39.76 Set a basalt stone $18 \times 10 \times 4$ ins. 8 ins. in ground (digging imprac.) for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raised

Subdivisions of T. 2 South R. 32 East
 Willamette Meridian, Oregon.

(8093-10 M.)

a md. of stone $1\frac{1}{2}$ ft. h. x $4\frac{1}{2}$ ft. b. over cor.,
 on S.W. hillside - Pits imprac.

46.50 Wagon road bears $N.30^{\circ}W$, + $S.30^{\circ}E$.

49.50 Top of mtn. Descend. + 1200

57.50 Enter timber.

79.76 The cor. to secs 26-27-34-35

Sand mtns. 79.76 chs. - Soil stony 5' R.
 Timber open pine, fir + tamarack 21.76 chs.
 Same timber, with undergrowth same, 22.00 chs.

Sept. 30th. 1891.

* ~~(Supply small sheet, no. 12, on right.)~~

Why not on number

West bet. secs. 27 + 34.

va. $20^{\circ}00' E$.

Ascend through timber.

17.50 Leave timber.

21.75 Wagon road bears N. + S.

22.00 Sum. of Ridge. falls N. - Descend 25°

34.00 Enter timber

40.00 Set a basalt stone $20 \times 10 \times 8$ ins. 10
 ins in ground (digging imprac.)

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face,
and raised a md. of stone 2 ft. h. x
4 ft. b. over cor. on west slope of mtn.

Pits imprac.

46.25 Ravine, running water, S. 15° W. - Ascend 15°

68.00 Leave timber.

77.50 Pole fence N. & S.

80.00 Set a basalt stone $14 \times 8 \times 5$ ins. 8 ins

- in ground (digging imprac.) for cor. to
secs. 27-28-33-34, marked 3 notches
on E. face and 1 notch on S. face,
and raised a md. of stone $1\frac{1}{2}$ ft. h. x
 $3\frac{1}{2}$ ft. b. over cor., on S. hill side.

Pits impracticable,

Land mtns. 80.00chs. - Soil stony 4" rate.

Timber open pine & fir 57.50chs.

Good grass.

South on a random line bet sees 33 & 34.

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

* West, on a random line bet secs. 27¹² + 34. P. 113A

Va. 20° 00' E.

40.00 Set temp $\frac{1}{4}$ sec. cor.
Search diligently; find no indications of cor. (reported);

80.00 Set temp. cor. to secs. 27-28-33-34.
Search diligently; find no indications of cor. reported.
Continual random, west, bet. secs. 28 + 33.

Va. 20° 30' E.

120.00 Set temp. $\frac{1}{4}$ sec. cor.
Search diligently; find no ~~indications~~ ^{traces} of cor. reported.

160.00 Set temp. cor. to secs. 28-29-31-32.
Search diligently; find no traces of cor. reported.
Continual random, west, bet. secs. 29 + 32.

Va. 20° 40' E.

200.00 Set temp $\frac{1}{4}$ sec. cor.
Search diligently; find no traces of cor. reported.

240.00 Set temp cor. to secs. 29-30-31-32.
Search diligently; find no traces of cor. reported.
South on a random line bet. secs. 31 + 32.

Va. 20° 05' E.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Int. S. bndy. of Tp. at cor. to secs. 5-6-31-32.

I, therefore, decide to remeasure random lines and to set true corners corresponding with temporary ones.

Oct. 1st 1891.

114
 Subdivisions of T. 2 South R. 32 East
 Willamette Meridian, Oregon.

(8093-10 M.)

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.35 Int. S. bndy. of Tp. 50 lks. W. of cor. to sees. 3-4-33-34, which is a mound of stone $1\frac{1}{2}$ ft. h x $3\frac{1}{2}$ ft. b. (no marked stone or post visible) from which a pin 23 ins. dia. bears S. 10° W. 30 lks. dist. marked T3S R32E S4B5. A pin 32 ins. dia. bears S. 40° E. 90 lks. dist. marked T3S R32E S3B5. - I set a basalt stone $12 \times 10 \times 5$ ins. $\times 8$ ins. in ground in center of stone md. described, marked 3 notches on E. and 3 notches on W. edge

Thence I run,

N. $0^{\circ} 21\frac{1}{2}'$ W. on true line bet. sees. 33 + 34.

Pa. $21^{\circ} 30' E.$

Ascend.

- 5.35 Sum. of Ridge. falls N. W. - Descend $15^{\circ} + 200'$
 23.35 Ravine course W. - Ascend $18^{\circ} - 150'$
 34.35 Sum. of Ridge. falls N. 35° W. - Descend $20^{\circ} + 600'$

Subdivisions of T. 2 South R. 32 East 115
 Willamette Meridian, Oregon.

- 39.35 Set a basalt stone $12 \times 9 \times 5$ ins. 8 ins. in ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raised a md. of stone 2 ft. h. \times $3\frac{1}{2}$ ft. b. over cor., on N.W. face of hill. Pits impracticable; from which a pine 26 ins. dia. bears S. E. 65 lks. dist., marked $\frac{1}{4}$ S. B.T. - no other tree in limits.
- 65.60 Saw Mill Creek 6 lks. W. runs west - Ascend 30°
- 73.35 Leave timber.
- 79.35 The cor. to secs. 27-28-33-34.
 Sand mtns. 79.35 chs. - Soil stony 4" rate.
 Timber pine, fir & tamarack 73.35 chs
 Undergrowth of same timber, 20.00 chs
 Good grass.

Oct. 2. 1891.

West bet. secs. 28 & 33 - Ascend.

va. $20^\circ 30' E$.

27.00 Sum. falls S.W. - Descend $20^\circ + 900'$

116

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

(8093-10 M.)

- 40.00 Set a basalt stone 16x12x6 ins. 8 ins. in ground (digging imprac.) for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on n. face; raised a md. of stone 2 ft. h. x 4 ft. b. over cor., pits impracticable. No traces of any other cor. at this place.
- 43.00 Ravine, course S.W. - ascend 10° - 15° .
- 53.00 Sum. of Ridge, falls S. 30° W. - Descend 20° + 100
- 80.00 Set a basalt stone 14x10x5 ins. 10 ins. in ground for cor. to secs. 28-29-32 & 33, marked 4 notches on E. edge & 1 notch on S. face; dug pits 18x18x12 ins. in each sec. cor., $5\frac{1}{2}$ ft. dist., and raised a md. of earth 2 ft. h. x 4 ft. b. alongside, from which a Quaken asp 8 ins. dia. bears N. 32° W. 250 lks. dist., marked T2SR32E S29BT. - No other tree in limits. No traces of any other cor. at this place.

Subdivisions of T. 2 South R. 32 East.
Willamette Meridian, Oregon.

Sand mntns, 80.00chs. - Soil stony 4" pate.
Scattering timber, pine, fir + Quakenasp.
No undergrowth - Good grass.

South on a random line bet. secs 32 + 33.
va. $20^{\circ}40' E$

40.00 Set temp. $\frac{1}{4}$ sec. cor.,

80.50 Int. S. body. of Tr. 6 links west of cor.
to secs. 4-5-32-33, which is a basalt
stone $18 \times 14 \times 4$ ins, loose, in md. of stone
 $1\frac{1}{2}$ ft. h. x $3\frac{1}{2}$ ft. b., marked 4 notches
on E and 2 notches on W. edges

Thence I run,

$N. 0^{\circ} 02\frac{1}{2}' W.$ on true line bet. secs. 32 + 33

va. $22^{\circ} 00' E.$

7.50 Enter timber.

12.50 Gulch, course W. - Ascend -200'

13.00 Leave timber.

25.50 Sum. of Ridge. falls W. - Descend $25^{\circ} + 900'$

26.00 Wagon Road bears N.W. + S.E.

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

(8093-10 M.)

- 40.50 Set a basalt stone 10x8x7 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raised a mb. of stone 1 $\frac{1}{2}$ ft. h. x 3 $\frac{1}{2}$ ft. b. over cor. - Pits imprae., from which a pine 30 ins. dia. bears N. 80° W. ^{distance omitted} marked $\frac{1}{4}$ S.B.T. - A fir 24 ins. dia. East 100 lks. dist., marked $\frac{1}{4}$ S.B.T.
- 49.00 Pole + wire fence. Enter field.
- 56.00 Leave field at S.E. cor. of same.
- 58.50 Cowshed - Saml. Warner's house bears east 450 lks. dist.
- 60.00 Foot of descent.
- 60.60 Brook 5 lks. W. - course N.W. - Ascend.
- 62.25 Wagon Road bears N.W. + S.E.
- 75.00 Sum. of Ridge falls W. - Descend 20° + 100'
- 80 50 The cor. to secs. 28-29-32 + 33.
- Sand mntns. 72.50 chs. - Soil 4" rate, stony.
- Timber pine, fir + tamarack 5.50 chs
- Underbrush same 2.00 chs. - Good grass
- Oct. 3^d. 1891.

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

West bet. secs. 29 + 32, - Descend 20°

va. 20° 40' E.

- 4.00 Ravine, course S.W. - Ascend 15° - 150'
- 5.00 Enter timber
- 11.50 Sum. of Ridge, falls S. - Descend 15° + 100'
- 18.50 Wagon Road bears N.W. + S.E.
- 21.60 Brook 6 lks. W. course N.W. - Ascend.
- 27.00 Leave timber. Cabin bears N. about 5 chs. dist.
- 39.75 Pole fence N. + S.
- 40.00 Set a basalt stone 18 x 8 x 6 ins. 12 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face; dug pits 18 x 18 x 12 ins. E. + W. of stone 5 1/2 ft. dist., and raised a md. of earth 2 ft. h. x 4 ft. b. over cor., on N. hill side.
- 44.75 Enter field fence N. + S.
- 51.50 Leave " do
- 53.00 Sum. of mtn. falls N.W. - Descend 30° + 800'
- 66.75 Cañon, N. 50° W. - Ascend 40° - 300'
- 74.00 Sum. of Ridge, falls N. - Descend 40° + 200'
- 78.25 Ravine, course N. - Ascend 25° - 150'

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

(8093-10 M.)

80.00 Set a basalt stone $14 \times 8 \times 6$ ins. 8 ins. in ground (digging imprac.) for cor. to secs. 29-30-31-32, marked 1 notch on S. face, and 5 notches on E. edge, and raised a mb. of stone $1\frac{1}{2}$ ft. h. \times $3\frac{1}{2}$ ft. b. over cor., on E slope. - Pits impracticable.
 Timber pine fir & tamarack 22.00 chs
 Undergrowth of same 4.00 chs. - Good grass.
 Soil stony 5" rate.

South on a random line bet. secs. 31 + 32.
 Va. $20^{\circ} 05' E$.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Int. S. bndy. of Tp. at cor. to secs. 5-6-31-32, which is a basalt stone $18 \times 12 \times 8$ ins. 4 ins. in ground, marked 5 notches on E and 1 notch on W. ^{edges} in md. of stone $1\frac{1}{2}$ ft. h. \times 3 ft. b. on S. hillside.

Thence run Ascend
 North on true line bet. secs 31 + 32

Va. $24^{\circ} 00' E$

Subdivisions of T. 2 South R. 32 East.

Willamette Meridian, Oregon.

- 25.00 Sum. of Ridge falls W. - Descend $20^{\circ} + 1000'$
 40.00 Set a basalt stone $14 \times 8 \times 6$ ins. 10 ins.
 in ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$
 on W. face; dug pits $18 \times 18 \times 12$ ins. N. & S.
 of cor. $5\frac{1}{2}$ ft. dist., and raised a md. of
 earth 2 ft. h. \times $4\frac{1}{2}$ ft. b. over cor. on E. hill-
 side.
 50.90 Pole fence, bears E. & W.
 80.00 The cor. to secs. 29-30-31-32.
 Sand mntns. 80.00 chs. + Soil 4th rate.
 No timber, nor brush - Good grass.
 Oct. 4th 1891.

West on a random line bet. secs. 30 & 31
 Va. $20^{\circ} 05' E$.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 " " cor. to secs. 25-30-31-36.

Finding no traces of any old cor.,
 I commence at S.W. cor. to this Tp.,
 which is a post 4×4 ins. 24 ins.

122

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

(8093-10 M.)

above ground, marked R31S36 on
N.W. face - no other visible marks
in md. of earth $1\frac{1}{2}$ ft. h. x 4 ft. b. on N.
hill side 200 lks E. of a ravine, N.E.
Thence I run

North on W. body of sec. 31 - Descend
va. $18^{\circ}45'E$

21.00 Stanley Creek Canon N. $75^{\circ}W$. Ascend.

40.00 Septemp $\frac{1}{4}$ sec. cor.

79.96 Int E. & W. line 25 lks. East of cor.
to secs. 25-30-31-36. on W. body of T_p,
which is a basalt stone $18 \times 15 \times 10$ ins
lying loose on ground on W. slope,
marked 5 notches on 1 edge.

I raised a md. of stone 2 ft. h. x
4 ft. b. over this stone, which I first
set 12 ins. in ground, with the 5
notches on N.

Thence I run Descend.
North on W. body of sec. 30.
va. $18^{\circ}45'E$.

Subdivisions of T. 2 South R. 32 East.
Willamette Meridian, Oregon.

- 0.64 Temp. cor. to secs. 25-30-31-36, bears East 200 lks. dist.
- 5.00 Foot of descent
- 19.20 Stanley creek 6 lks. W., runs N 15 E.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.,
- 80.00 Int. E. & W. line 10 lks. E. of cor. to secs. 19-24-25-30 which is a basalt stone $24 \times 15 \times 8$ ins. about 12 ins. in ground, marked 4 notches on N. edge. There appears to have been a stone md. here, but washed away. I made md. of stone 2 ft. h. \times $3\frac{1}{2}$ ft. b. over the stone. Thence I run Ascend. 10° North on W. bndy. of sec. 19. $\text{va. } 18^\circ 00' \text{ E.}$
- 30.00 Sum. of ridge falls E. - Descend +200'
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 80.00 Finding no trace of old cor., I set a basalt stone $14 \times 12 \times 6$ ins. 10 ins. in ground for cor. to secs. 13-18-19-24

Subdivisions of T. 2 South R. 32 East.

Willamette Meridian, Oregon.

(8093-10 M.)

marked 3 notches on N + S edges, and raised a md of earth and stone 2 ft. h. x 3 1/2 ft. b. over cor., about 750 lks. S. of Stanley creek.

Thence I run

East on a line bet. secs. 18 + 19.

va. 17° 30' E.

7.00 Benj. Askell's house bears S. 150 lks. dist.

8.50 Stanley creek 5 lks. W. N. 30° W. - Ascend 20°

40.00 Set temp 1/4 sec. cor.

80.00 " " cor. to secs 17-18-19-20.

7 Finding this line in some dispute and the original cor. to above described sections gone, I commence

at cor. to secs 29-30-31-32,

Thence I run on random line

North bet. secs. 29 + 30 - Descend.

va. 20° 05' E

40.00 Set temp 1/4 sec. cor.,

80.00 " " cor. to secs. 19-20-29-30

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

Finding no trace of old cor., I set, at point of temp cor., a basalt stone 14x12x4 ins. 7 ins. in ground (digging impracticable) for cor. to secs. 19-20-29-30, marked 2 notches on S., and 5 notches on E., and raised a md. of stone 2 ft. h. x 3 1/2 ft. b. over cor., on S. hill side. Land mntns. 80.00chs. Soil 4" rate. No timber.

Thence I run Descend.
North bet. secs. 19 & 20

va. 20°30' E.

40.00 Set temp. 1/4 Sec. cor.

80.00 " " cor. to secs. 17-18-19-20

80.20 Int. E & W. line 195 lks. E. of 1st temp. cor. to said secs; Set 2nd temp cor to same. From this pt. I flag line back South to S. body. of Tp., and find the two intervening section corners

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

(8093-10 M.)

and the cor. to secs. 5-6-31-32 on S. bndy. of Tp. are situated in a N. & S. line. I therefore set, at point of temp. cor., on said N. & S. line, a basalt stone 14x10x4 ins. 12 ins. in ground for permanent cor. to secs. 17-18-19-20, marked 3 notches on S. and 5 notches on E; ^{edges} dug pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raised a md. of stone & earth 1 1/2 ft. h. x 3 1/2 ft. b. over the cor. stone. This cor. is 20 lks. S. of temp. cor. for same, set on line E. bet. secs. 18 & 19, the course of the true line bet. secs 18 & 19, will, therefore be S. 89° 51' E. I move temp 1/4 sec. cor. East 19 5/8 lks and then South, 10 1/4 links, and set a basalt stone 14x10x8 ins. 10 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face; pits in prac., near sum. of ridge.

★ var. 20° 00' E

Subdivisions of T. 2 South R. 32 East
Willamette Meridian, Oregon.

From cor. to secs. 19-20-29-30 I run
West on a random line bet secs 19+30.
va. $20^{\circ} 30' E$

40.00 Set temp $\frac{1}{4}$ sec. cor.

82.05 Int. W. body of Tp. at cor. to secs. 19-24-25-30
Thence I run

East on true line bet secs. 19+30
va. $18^{\circ} 00' E$.

12.90 Pole fence bears N. + S.

15.70 Stanley creek bears $N. 15^{\circ} W$, 5 lks. wide. ^{ascend 20°}

38.00 Sum. of Ridge falls N. - Descend $20^{\circ} + 300'$

42.05 Set a basalt stone $10 \times 8 \times 8$ ins. 8 ins. in
ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N.
face; dug pits $18 \times 18 \times 12$ ins. E. + W. of stone
 $5\frac{1}{2}$ ft dist., and raised a md. of earth
 2 ft. h. \times $4\frac{1}{2}$ ft. b. over cor.

57.00 Pole fence bears N.W. + S.E.

57.80 Saw Mill creek 6 lks. wide runs N.W.

58.50 Wagon road bears N.W. + S.E. - Ascend 25° .

82.05 The cor. to secs 19-20-29-30.

Land mtns 74.00 chs. Soil 3^d rate - No timber - Good grass

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

(8093-10 M.)

From cor. to secs. 25-30-31-36, Iron,
 $N. 89^{\circ} 32' E.$ on a true line bet. secs. 30 & 31
 va. $18^{\circ} 45' E.$

27.00 Sum. of Ridge falls N. - Descend $25^{\circ} + 500'$.

42.00 Set a basalt stone $14 \times 8 \times 6$ ins. 8 ins. in
 ground (digging imprac.) for $1/4$ sec. cor.,
 marked $1/4$ on N. face, and raised a mt.
 of stone $1 1/2$ ft. h. \times $4 1/2$ ft. b. over cor., on E.
 slope of hill. Pits imprac.

43.50 Ravine, course N. - Ascend $28^{\circ} - 500'$

53.00 Sum. of Ridge. falls N. - Descend $25^{\circ} + 500'$

65.80 Pole and wire fence bears N. & S.

82.00 The cor. to secs. 29-30-31-32.

Land mtrns. 82.00 chs. - no timber.

Soil 4" rate. - Good grass.

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

(8093-10 M.)

General Description.

The part of this township, embraced in my contract no 551, is mountainous and rough. The soil is of 4" and 5" grades, and generally stony. Timber of pine, fir, tamarack and cottonwood on n. slopes, and along creeks and canons

There is one settler each in secs. 19-27-29-30 & 33.

That portion of the township, not embraced in my contract, appears to be occupied, and the settlers and land claimants in this part of the township, are very anxious for a resurvey of it, as but a very few corners have ever been found, and they of

Subdivisions of T. 2 South R. 32 East

Willamette Meridian, Oregon.

doubtful origin, and the original notes do not at all apply in any case of subdivisional work with which I am acquainted.

Notes

I took latitude tests, daily, as far as the weather permitted.

I built mounds "over" the cor. stone, instead of "alongside," in such manner as most securely to keep the stone at the true cor. point, the country being very rough and the surface uneven.

John C. Arnold,
U. S. Deputy Surveyor

FINAL OATHS FOR SURVEYS.

A list of the names of the individuals employed by.....
Jno. C. Arnold....., U. S. Deputy Surveyor, to assist in
 running, measuring and marking the lines and corners described in the foregoing field
 notes of the survey of the *Exterior and Subdivisional*.....
 lines of *Township 2 South*.....
Range 32 East..... Willamette Meridian, Oregon,
 showing the respective capacities in which they acted:

- George E. Waggoner*....., **Compassman.**
- Jacob C. Hill*....., **Chainman.**
- Clarence A. Hall*....., **Chainman.**
-, **Chainman.**
-, **Chainman.**
- Isaac W. Kimball*....., **Axeman.**
-, **Axeman.**
-, **Flagman.**

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted.....
Jno. C. Arnold....., U. S. Deputy Surveyor, in surveying all
 those parts or portions of the *Exterior and Subdivisional*.....
lines..... of *Township 2 South*.....
Range 32 East..... Willamette Meridian, Oregon,
 as are represented in the foregoing field notes as having been surveyed by him and under
 his direction; and that said survey has been in all respects, to the best of our knowledge
 and belief, well and faithfully surveyed, and the corner monuments established, accord-
 ing to the instructions furnished by the U. S. Surveyor General of Oregon.

- G. E. Waggoner*....., **Compassman.**
- Jacob C. Hill*....., **Chainman.**
- Clarence A. Hall*....., **Chainman.**
-, **Chainman.**
-, **Chainman.**
- J. W. Kimball*....., **Axeman.**
-, **Axeman.**
-, **Flagman.**

Subscribed and sworn to before me, this *twenty eighth*..... day of
November..... 189*1*.....

[SEAL.]

W. M. Pierce
 County Clerk

FINAL OATH OF DEPUTY SURVEYOR.

I, John C. Arnold
United States Deputy Surveyor, do solemnly swear that in pursuance of

instructions received from Douglas W. Taylor

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

day of March 1890, I have well, faith-

fully and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for Oregon, the Surveying Manual, and the laws of the United States, surveying all those

parts or portions of The Exterior and Subdivisional

lines of Township 2 South Range 32 East

Willamette Meridian, in the State of Oregon, as are represented in the foregoing field notes as having been surveyed by me and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Surveying Manual, printed instructions, the special written instructions of the U. S. Surveyor General for Oregon, and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey, and should any fraud be detected I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John C. Arnold
U. S. Deputy Surveyor.

Subscribed and sworn to before me, this twenty eighth

day of November 1890

W M Pierce
County Clerk
Umatilla County
Oregon

136

Office U. S. Surveyor General,

Portland, Oregon, *September 20* 1892.

The foregoing Field Notes of the Survey of the
Subdivisions of Township No 2 South, Range
No 32 East Willamette Meridian Oregon

executed by *John C. Arnold* U.S. Deputy Surveyor
under his contract No. *557*, dated *March 19,*

1890, having been critically examined, the
necessary corrections and explanations made, the said Field
Notes and the survey they describe, are hereby approved.

W. Henry Byars
Surveyor General.