

## FIELD NOTES

Of the survey of the *Exterior and Subdivisional*

Lines of *Township 2 South,*

*Range 33 East,* Willamette Meridian,

Oregon, as surveyed by *John C. Arnold*

U. S. Deputy Surveyor, under his Contract No. *551.*

dated *March 19<sup>th</sup>* 18*90*

Survey commenced, *September 17<sup>th</sup>* 18*90*

Survey completed, *September 28<sup>th</sup>* 18*91*

NAMES AND DUTIES OF ASSISTANTS,

....., Compassman.

*Edgar R. Thomson*, Chainman.

*Jacob C. Hill*, Chainman.

....., Chainman.

....., Chainman.

*James P. Caffrey*, Axeman.

*Ellsworth B. Hall*, Axeman.

*Moses H. Thompson*, Flagman.



PRELIMINARY OATHS OF ASSISTANTS.

We, Moses H. Thompson Edgar R. Thomson <sup>and</sup> Silas D. Morgan

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

the survey of the subdivisional and exterior  
lines of T. 2 South

R 33 East, Willamette Meridian, Oregon.

Moses H. Thompson, Chainman.

Edgar R. Thomson, Chainman.

Silas D. Morgan, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me, this Sixth

day of September 1890

W.M. Pierce, County Clerk

[SEAL.]

By J.E. Beam Deputy

We, Jacob C. Hill, Ellsworth B. Hall and

James P. Caffrey, do solemnly swear that we will well and truly perform the duties of Axemen in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and abil-

ity, in the survey of the subdivisional and exterior  
lines of T. 2 South R 33 East. Willamette Meridian, Oregon.

Jacob C. Hill, Axeman.

James P. Caffrey, Axeman.

Axeman

Subscribed and sworn to before me, this Sixth

day of September 1890

W.M. Pierce County Clerk

[SEAL.]

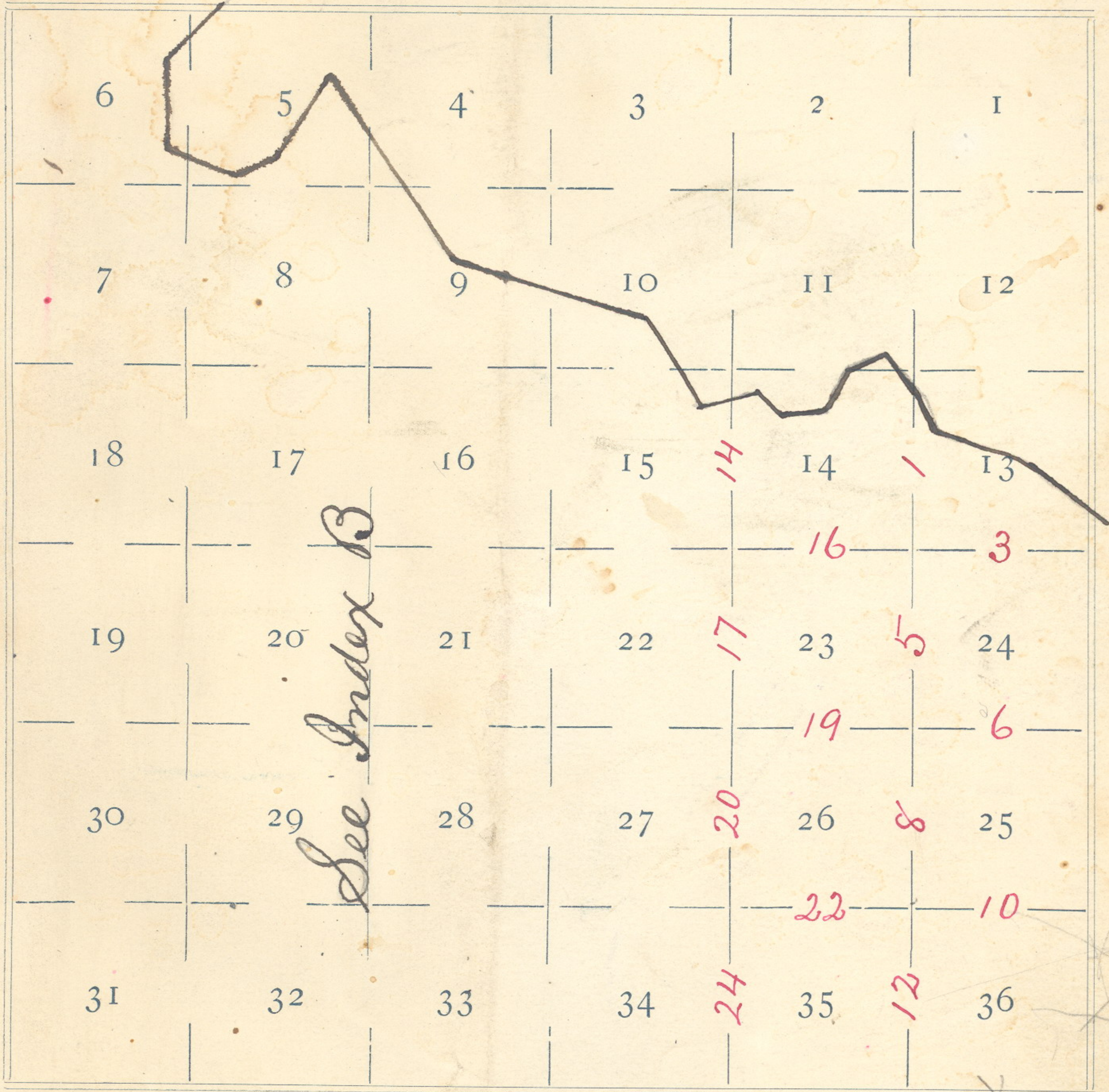
By J.E. Beam Deputy



# INDEX A

Referring the Lines to the Pages of the Field Notes.

T. 2 South R. 33 East Will. Mer.



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FIELD NOTES

Of the survey of the *Exterior and Subdivisional*  
 Lines of *Township 2 South*  
*Range 33 East* Willamette Meridian,  
 Oregon, as surveyed by *Jno. C. Arnold*,  
 U. S. Deputy Surveyor, under his Contract No. *551*,  
 dated *March 19*" 1890

Survey commenced *September 17*" 1890  
 Survey completed *September 28*" 1891

NAMES AND DUTIES OF ASSISTANTS.

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



Subdivisions of T. 2 South R. 33 East  
Willamette Meridian, Oregon.

- 25.95 Cañon S. 20° W. Ascend 40° - 900'
- 39.98 Set a basalt stone 16 x 10 x 8 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 stone & earth 1 1/2 ft. h. x 3 1/2 ft. b. over cor. on S. hillside.
- 67.45 Sum. of Ridge. falls S. 15° W. - Descend.
- 79.95 The cor. to secs. 5-6-7-8.  
Sand mtns. 79.95 chs. Soil stony 4" rate.  
No timber. - Good grass.

West bet. secs. 6 + 7. - Descend.  
Var. 19° 45' E.

- 9.00 Ravine S. 15° W. - Ascend 36° - 100'
- 20.50 Sum. of Ridge. S. 15° W. - Descend 25° + 150'
- 34.50 Cañon S. 36° W. - Ascend 28° - 230'
- 40.00 Set a basalt stone 14 x 12 x 4 ins. 10 ins in ground for 1/4 sec. cor., marked 1/4 on n. face, and raised a md. of stone 2 ft. h. x 3 1/2 ft. b. over cor. on E. hill side.  
Pits impracticable.



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 Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

(8093-10 M.)

Description Pa. 60

69.50	Sum. of Ridge. falls S. 20° W. - Descend.	+400'
75.00	Gulch S. 20° W. - Ascend	12° - 250'
85.00	Sum. of Ridge. falls S. 20° W. - Descend.	+300'
99.00	Ravine S. 80° W. - Ascend.	15° - 200'
105.50	Sum. of Ridge. falls S. W. - Descend	35° + 150'
120.00	Gulch course S. 15° W. - Ascend	15° - 300'
121.00	Center of spur falls S. 15° W. - Descend	15° + 50'
123.00	Gulch S. 15° W. - Ascend	28° - 50'
135.00	Made temp. closing cor. to sees. 6 & 7.	
		<u>va. 19° 15' E.</u>

Not finding any traces of original cor. to sees. 1-6-7-12, on W. body of Tp., I go to cor. for sees. 7-12-13-18, which is a post 4 ins sq., marks almost obliterated by age - in ground at cor. of fences N-S & W. on N.W. hillside. Thence I run on random line N.

va. 20° 00' E.

Descend.

9.50 Foot of descent - Birch creek 15 lks. W. runs N.W. 50°



## Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

19.60 Wagon road bears E. + W.

25.00 Ascend steep hill.

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

74.50 The temp. closing cor. to secs 6 + 7.

80.00 Set temp. cor. to secs 1-6-7-12.

85.00 Sum. of hill course E. + W.

From this point I can see lines of fencing north and south of my station, and on the line I have been retracing. I meet J. A. Horn, one of the oldest settlers in this Tp., who says the original cor. for secs. 1-6-7-12 is at the point of my temp. cor. for the same. I therefore set a basalt stone 28 x 10 x 6 ins. 21 ins. in ground, at point of temp. cor., for true cor. to secs. 1-6-7-12, marked 5 notches on S. and 1 notch on N., and raised a md. of stone 2 ft. h. x 4  $\frac{1}{2}$  ft. b. over cor., on E. hillside.

ba. 25° 30' E.



## Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

(8093-10 M.)

At the point of intersection of line  
bet. secs. 6+7. with w. bndy. of Sp.  
I set a basalt stone 26x10x8 ins. 20  
ins. in ground, for closing cor. to secs.  
6+7., marked 1 notch on N. and 5  
notches on S. and CC on west; dug  
pits 18x18x12 ins. N. S. and E. of stone  
5 1/2 ft. dist., and raised a wd. of earth  
and stone 2 ft. h. x 4 1/2 ft. b. over cor., on  
E. hill side.

va 19° 15' E.

No timber. Soil stony 5" rate.

The whole line passes over Mtns. land

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South bet. secs. 7+8. - Descend 25°

va. 19° 45' E.

- 9.75 Cañon course S. W. - Ascend 15° - 150'  
17.50 Sum. of Ridge. falls S. W. - Descend 28° + 200'  
34.00 Cañon course S. 60° W. - Ascend 15° - 150'  
40.00 Set a basalt stone 14x10x8 ins. 10 ins



## Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

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  $1\frac{1}{2}$  ft. h.  $\times$  3 ft. b. alongside, on hillside facing west.

54.50 Sum. of Ridge. S.W. + N.E. - Descend  $40^\circ + 300'$ .

80.00 Set a basalt stone  $18 \times 8 \times 6$  ins.  $\cdot$  12 ins. in ground, for cor. to secs. 7-8-17-18, marked 4 notches on S., and 5 notches on E. face, and raised a md. of stone  $1\frac{1}{2}$  ft. h.  $\times$   $3\frac{1}{2}$  ft. b. over stone. Pits imprae., on S. face of hill.

No timber. - Soil stony 4". rate.  
Land mountainous. 80.00 chs.

Sept. 22<sup>nd</sup>. 1891.

East on a random line bet. secs. 8 & 17. <sup>Descend.</sup>  
va.  $17^\circ 12' E$ .

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

79.90 Int. N. & S. line 50 lks. S. of cor. to secs. 8-9-16-17.



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## Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

(8093-10 M.)

Thence Iron - Descend  $20^{\circ}$   
 S.  $89^{\circ}39'W$ . on true line bet. secs. 8 + 17

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

25.00 Cañon course S. Ascend  $12^{\circ}$  - 300'

39.95 Set a basalt stone  $12 \times 8 \times 6$  ins. 8 ins.  
 in ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$   
 on N. face, and raised a md. of stone  
 $2$  ft. h.  $\times$   $4$  ft. b. over cor., on S. hill side

Pits impracticable.

44.90 Sum. of Ridge falls S. - Descend  $25^{\circ}$  + 150'

50.65 Gulch S.  $10^{\circ}W$ . - Ascend  $12^{\circ}$  - 200'

69.10 Sum. of Ridge falls S. - Descend  $20^{\circ}$  + 150'

74.90 Gulch S.  $20^{\circ}W$ . - Ascend  $20^{\circ}$  - 150'

79.90 The cor. to secs. 7-8-17-18.

No timber - Soil stony 5<sup>th</sup> rate.

Land mountainous 79.90 chs.

X West bet secs. 7 + 18. - Ascend  $5^{\circ}$ .

va.  $17^{\circ}12'E$ .

10.00 Sum. of Ridge S.  $20^{\circ}W$ . - Descend  $30^{\circ}$  + 400'



## Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

- 22.00 Cañon, course S. - Ascend  $30^{\circ}$  - 200.
- 29.00 Sum. of Ridge, falls S. - Descend  $20^{\circ}$  + 100.
- 37.00 Foot of hill - Cliffs of rock 60' high - A new school house bears S. 500 lks. dist.
- 40.00 Set a basalt stone  $18 \times 12 \times 4$  ins. 12 ins in ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on 3 faces; dug pits  $18 \times 18 \times 12$  ins. E. + W. of cor.  $5\frac{1}{2}$  ft. dist., and raised a md. of stone + earth  $1\frac{1}{2}$  ft. h.  $\times$   $3\frac{1}{2}$  ft. b. alongside.
- 48.00 Wagon road  $N. 80^{\circ} W.$  +  $S. 80^{\circ} E.$
- 50.00 Enter brush - 200 lks., on line.
- 52.50 Enter orchard, pipe fruit. fence  $N. E.$  +  $S. W.$
- 59.50 Sam Jordan's house bears N. 40 lks. dist.
- 60.25 Leave orchard, fence  $N. E.$  +  $S. W.$
- 62.00 Sam Jordan's barn bears N. 5 lks. dist.
- 64.00 Enter thick brush.
- 64.75 Birch creek 15 lks. wide course  $N. 75^{\circ} W.$
- 82.00 " " " " " " S. W.
- 84.50 " " " " " " N. W.
- 110.00 Leave brush - Ascend.



## Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

(8093-10 M.)

- 132.00 Sum. of Ridge. falls  $N. 15^{\circ} W.$  + 300,
- 135.70 Int. W. bndy. of Tp. 506 lks S. of cor. to secs. 7-12-13-18, which is a post  $4 \times 4$  ins. - 24 ins. above ground, marks indistinct from age - at cor. of fences N. S. + W., on N. W. hillside.

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

At point of intersection, I set a basalt stone  $18 \times 12 \times 4$  ins. 12 ins. in ground for closing cor. to secs. 7 + 18., marked 2 notches on N., 4 notches on S., and CC on west face; dug pits  $18 \times 18 \times 12$  ins N. S + E of cor.  $5\frac{1}{2}$  ft. dist., and raised a md. of earth and stone  $1\frac{1}{2}$  ft. h.  $\times$   $3\frac{1}{2}$  ft. b. over cor. J. A. Storm's house bears  $N. 42^{\circ} 30' W.$  from this cor. 285 lks. dist.

Sand rocky + mntns. for 75. chs. - A dense undergrowth, mostly cottonwood, 48 chs, the rem. of this line 12. 20 chs., comparatively level. Soil on creek bottom good; elsewhere 4" rate.



Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

South bet. secs. 17+18. Descend 35°.

va. 17° 12' E.

10.75 Wagon road, course E+W.

11.00 Enter meadow, fence E+W. Foot of descent.

13.00 Jas. Jordan's house bears E. 425 lks. dist.

14.40 Birch creek 15 lks. W. course west.

16.50 Leave meadow, fence E+W. Enter timber. Ascend 30°.

35.00 " timber.

40.00 Set a basalt stone 14x8x5 ins. 10 ins. in ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; dug pits 18x18x12 ins N.E.S. of stone 5 $\frac{1}{2}$  ft. dist., and raised a md. of stone 1 $\frac{1}{2}$  ft. h. x 3 $\frac{1}{2}$  ft. b., alongside, on N.W. hill side.

44.00 Sum. of Ridge. falls N.W. - Descend 20° + 700'

56.25 Cañon N.80°W. Ascend 25° - 150'

65.00 Sum. of Ridge. falls N.W. - Descend 15° + 100'

80.00 Set a basalt stone 18x10x4 ins. 12 ins. in ground, for cor. to secs. 17-18-19-20. marked 3 notches on S. face and 5 notches



Subdivisions of T. 2 South R. 33 East.

Willamette Meridian, Oregon.

(8093-10 M.)

on E. edge, and raised a md. of stone  
2 ft. h. x 4 1/2 ft. b. over cor. - Pits imprae.,  
from which a pine 15 ins. dia. bears  
S. 70° W. 163 lks. dist., marked T2SR33E  
S19B5. - No other tree in limits. - Whillside.  
Sand mountainous 74.50 chs. - Soil 5" rate  
Timber pine, fir and tamarack, with scatter-  
ing undergrowth of same, 18.50 chs - Soil 4" rate  
Bottom land 5.50 chs. of excellent soil.  
Sept. 23<sup>d</sup>, 1891.

East on a random line bet. sees. 17 + 20.  
va. 22° 35' E.

40.00 Set temp. 1/4 sec. cor.

80.16 Int. N. + S. line 40 lks. N. of cor. to sees.  
16-17-20-21.

Thence Sum. - Descend 30°

N. 89° 43' W. on true line bet. sees. 17 + 20. \*

2.16 Cañon, course N. - Ascend 35° - 400.

18.16 Sum. of Ridge. falls N. 15° W. - Descend 35° + 450.

★

va. 17° 45' E.



Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

- 34.46 Ravine N.  $28^{\circ}$  W. - Ascend  $35^{\circ}$  - 450.
- 40.08 Set a basalt stone  $14 \times 10 \times 6$  ins. 6 ins. in ground (digging impracticable) for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face, and raised a mb. of stone  $1\frac{1}{2}$  ft. h.  $\times$   $3\frac{1}{2}$  ft. b. over cor. - Pits imprac., on E. hill side.
- 50.16 Sum. of Ridge. bears N. + S. - Descend  $20^{\circ}$  + 700.
- 80.16 The cor. to secs. 17-18-19-20.  
Land mntns. 80.16 chs. - no timber.  
Soil stony 5<sup>th</sup>. rate.

West bet. secs. 18 + 19.

va.  $22^{\circ} 35' E$ .

- 1.50 Ravine S.  $70^{\circ}$  W. - Enter dense brush - Ascend  $15^{\circ}$  - 50.
- 7.50 Sum. of Ridge. falls N.  $15^{\circ}$  W. - Descend  $48^{\circ}$  + 300.
- 39.00 Foot of hill. - 600.
- 40.00 Set a basalt stone  $14 \times 10 \times 5$  ins. 10 ins. in ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; raised a mb. of stone  $1\frac{1}{2}$  ft. h.  $\times$   $3\frac{1}{2}$  ft. b. over cor., from which a



Subdivisions of T. 2 South R. 33 East  
Willamette Meridian, Oregon.

(8093-10 M.)

Bottomwood 6 ins. dia. bears  $N. 10^{\circ} E.$  20 lks. dist., marked  $\frac{1}{4} S B T.$  - A bottomwood 18 ins. dia. bears  $S. 25^{\circ} W.$  30 lks. dist., marked  $\frac{1}{4} S B T.$

41.50 Pearson creek 10 lks. wide, runs N.

Ascend  $40^{\circ}$  - Bluff 50' high.

84.50 Sum. of mtn. falls N. - Descend  $35^{\circ} + 1600'$

108.50 Cañon, N.; 10 chs. down, turns N.E. - Ascend  $40^{\circ} - 950'$

125.50 Sum. of Ridge. falls N. - Descend  $32^{\circ} + 600'$

136.50 Int. W. bndy. of Tr. 516 lks. south of cor.

to secs. 13-18-19-24, which is a basalt stone  $22 \times 12 \times 10$  ins. loose, in mid of stone

$1\frac{1}{2}$  ft. h.  $\times$  3 ft. b., marked 3 notches on one edge

At point of intersection, I set a basalt stone  $14 \times 10 \times 8$  ins, 10 ins. in ground for

closing cor. to secs 18 & 19, marked 3 notches on N., 3 notches on S. face

and cc on E., and raised a mid. of stone  $1\frac{1}{2}$  ft. h.  $\times$   $3\frac{1}{2}$  ft. b. alongside. Pits imprac.

Land mountainous  $13\frac{1}{2}$  chs. - Soil 5' rate.

Timber pine & Cottonwood, undergrowth of same 7.50 chs.

va. 190306 at cc to secs. 18 & 19.



Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

South bet. secs. 19 + 20. - Descend  $10^{\circ}$ .

Va.  $22^{\circ} 35' E$ .

- 2.75 Ravine  $N. 40^{\circ} W.$  - Ascend  $34^{\circ}$  - 50'.  
 25.00 Sum. of Ridge. falls  $N. 30^{\circ} W.$  - Descend. + 300'.  
 40.00 Set a basalt stone  $20 \times 6 \times 5$  ins. 8 ins. in ground (digging imprac.) for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, and raised a md. of stone  $1\frac{1}{2}$  ft. h.  $\times$   $3\frac{1}{2}$  ft. b. over cor. on S. hill side. Pits impracticable.  
 44.00 Ravine course  $N. W.$  - Ascend  $15^{\circ}$  - 150'.  
 51.50 Sum. of Ridge. falls  $N. 50^{\circ} W.$  - Descend  $45^{\circ}$  + 200'.  
 76.00 Cañon,  $N. 70^{\circ} W.$  Ascend  $45^{\circ}$  - 300'.  
 80.00 Set a basalt stone  $12 \times 8 \times 6$  ins. 8 ins in ground for cor. to secs. 19-20-29-30, marked 2 notches on S., and 5 notches on E. edge; dug pits  $18 \times 18 \times 12$  ins in each sec. cor.,  $5\frac{1}{2}$  ft. dist., and raised a md. of earth 2 ft. h.  $\times$   $4\frac{1}{2}$  ft. over cor.  
 Sand mntns. 80.00 chs. - Soil 3" to 5" rate.  
 Scattering pine & fir & brush in cañons.  
 Good grass.



# Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

(8093-10 M.)

East on a random line bet secs. 20+29.  
 Va.  $20^{\circ}00'E$ .

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

Sep. 24<sup>th</sup> 1891.

80.78 Int. n. + s. line at cor. to secs 20-21-28-  
 29. Thence run, Va.  $20^{\circ}00'E$   
 West on true line bet secs. 20+29,  
 Ascend.

3.50 Sum. of Rdge. falls  $S. 20^{\circ}E$ . - Descend.

16.00 Ravine course  $S. 50^{\circ}E$ . - Ascend.

36.50 Sum. of Rdge. falls  $N. 20^{\circ}E$ . - Descend.

40.39 Set a basalt stone  $14 \times 8 \times 6$  ins. 8 ins in  
 ground (could dig no deeper) for  $\frac{1}{4}$  sec. cor.,  
 marked  $\frac{1}{4}$  on N. face, and raised a md.  
 of stone  $1\frac{1}{2}$  ft. h.  $\times$   $3\frac{1}{2}$  ft. b. over cor., on W.  
 side of mtn. Pits impracticable.

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

Sand mtns. 80.78 chs. - Soil stony 5' rate.  
 No timber. - Good grass.



Subdivisions of T. 2 South R. 33 East  
Willamette Meridian, Oregon.

West bet. secs. 19+30. - Ascend  $15^{\circ}$

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

- 9.00 Summit of Ridge. falls N.W. - Descend  $32^{\circ} + 35^{\circ}$ .
- 24.75 Enter field. brush fence N.W. + S.E.
- 40.00 Set a basalt stone  $10 \times 9 \times 6$  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., from which a fir 20 ins. dia. bears S.  $52^{\circ} 30' E$ . 112 lks. dist., marked  $\frac{1}{4}$  S.B.T. - A pine 24 ins. dia. bears S.  $80^{\circ} E$ . 155 lks. dist. marked  $\frac{1}{4}$  S.B.T. - No tree on N. in limits.
- 44.10 Leave field, fence bears N.E. + S.W.
- 52.50 Foot of hill.
- 54.75 Pearson creek, 15 lks. wide runs N.  $35^{\circ} W$ .
- 55.50 J. H. Gibson's house bears N. 350 lks. dist.
- 56.00 Ascend.
- 60.00 Enter timber.
- 88.00 Leave "



Subdivisions of T. 2 South R. 33 East.

Willamette Meridian, Oregon.

(8098 - 10 M.)

- 107.25 West edge of twin buttes. Descend. +2000'
- 127.50 Cañon, N. 10° E. Ascend 38° -750'
- 137.23 Int. W. bndy. of Tp. 475 lks. south of cor. to secs. 19-24-25-30, which is a basalt stone 16x12x11 ins. set firmly on another stone, 12 ins in ground, marked 4 notches on N., + 2 notches on S. edge, on a steep E slope. At point of intersection, I set a basalt stone 12x12x7 ins. 10 ins. in ground, for closing cor. to secs. 19-30, marked 4 notches on N. edge and 2 notches on S. <sup>edge</sup> face, and cc on west face, on S. hill side. Raised a md. of stone 1½ ft. h. x 4½ ft. b. over cor. - Pits impracticable.

va. 20.45 E.

Land mtns. 137.23 chs. - Soil stony, 5" rate,  
 Timber pine, fir, tamarack + Cottonwood 28.00 chs.  
 Undergrowth same as timber along creek, 3 chs

Sept. 25. 1891.



Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

South bet. secs. 29+30 - Ascend  $30^{\circ}$

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

15.00 Sum. of Ridge. falls N.W. - Descend  $28^{\circ} + 300'$

23.50 Cañon, course W. - Ascend  $28^{\circ} - 200'$

38.00 Sum. of Ridge. falls N.  $35^{\circ} W$ . - Descend  $35^{\circ} + 400'$

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, and raised a md. of stone  $1\frac{1}{2}$  ft. h.  $\times$   $3\frac{1}{2}$  ft. b. over cor., on W. face of hill. Pits impracticable.

62.75 Cañon, course W. Ascend  $34^{\circ} - 325'$

73.00 Sum. of Ridge. falls W. Descend.  $35^{\circ} + 250'$

80.00 Set a basalt stone  $16 \times 8 \times 4$  ins. 6 ins.

in ground (digging imprac.) for cor. to secs. 29-30-31-32, marked 1 notch on S. and 5 notches on E., and raised a md. of stone  $1\frac{1}{2}$  ft. h.  $\times$   $3\frac{1}{2}$  ft. b. over cor. on S. hill side. Pits imprac.

Sand mntns. & stony 80.00 chs. Soil 5" rate.  
No timber. Good grass.

Sept. 26. 1891.



Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

(8093-10 M.)

East on a random line bet secs. 29 + 32.  
 va.  $19^{\circ}45' E$ .

Ascend  $35^{\circ}$

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

80.20 Int. N. + S. line 28 lks. N. of cor. to  
 secs. 28-29-32-33.

Thence I run, - Descend.

N.  $89^{\circ}48' W$ . on true line bet. secs. 29 + 32.

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

2.70 South Cañon, N. - Ascend  $25^{\circ}$  - 1800'

14.70 Sum. of Ridge falls N. - Descend  $30^{\circ}$  + 400'

21.45 Cañon, N.E. course. - Ascend  $38^{\circ}$  - 900'

23.70 Leave timber.

40.10 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, and raised a md. of  
 stone  $1\frac{1}{2}$  ft. h.  $\times$   $3\frac{1}{2}$  ft. b. over cor., on E. side  
 of mountain - Pits imprac.

43.70 Sum. of mtn. - Descend  $45^{\circ}$  + 1200'

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



Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

Sand mntns. & stony 80.20chs. - Soil 4" rate.  
Timber, pine, fir, tamarack and cottonwood  
in South Cañon, 23.70chs.

West bet. secs. 30 & 31. Descend  
va.  $19^{\circ}45' E$ .

27.50 Enter timber.

40.00 Set a basalt stone  $20 \times 6 \times 5$  ins. 15 ins.  
in ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$   
on N. face; raised a md. of stone 2 ft. h.  
 $\times 4\frac{1}{2}$  ft. b. over cor., from which a pine  
20 ins. dia. bears  $S. 82^{\circ}40' E$  178 lks dist,  
marked  $\frac{1}{4} S B.T.$  - A pine 24 ins. dia bears  
 $N 59^{\circ} E$  148 lks. dist, marked  $\frac{1}{4} S B.T.$

42.00 Foot of descent.

44.00 Pearson creek, 15 lks. course  $N. 15^{\circ} W.$  - 700.

100.00 Leave timber.

106.25 Sum. of Ridge. falls N. - Descend  $35^{\circ}$  + 650.

112.00 Enter timber.



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Subdivisions of T. 2 South R. 33 East  
Willamette Meridian, Oregon.

(8093-10 M.)

114.50 Cañon, course N. - Ascend  $32^{\circ}$  - 800'.  
 132.10 Summit - Descend  
 137.60 Int. W. bndy. of Tr. 500 lks. south of  
 cor. to secs. 25-30-31-36, which is a  
 basalt stone  $18 \times 12 \times 6$  ins. 8 ins. in  
 ground, marked 5 notches on N. cor.

I cut 1 notch  $\frac{3}{4}$  S. edge, and raised  
 a md. of stone 2 ft. h.  $\times$   $3\frac{1}{2}$  ft. b. over cor.  
 va.  $17^{\circ}00' E$

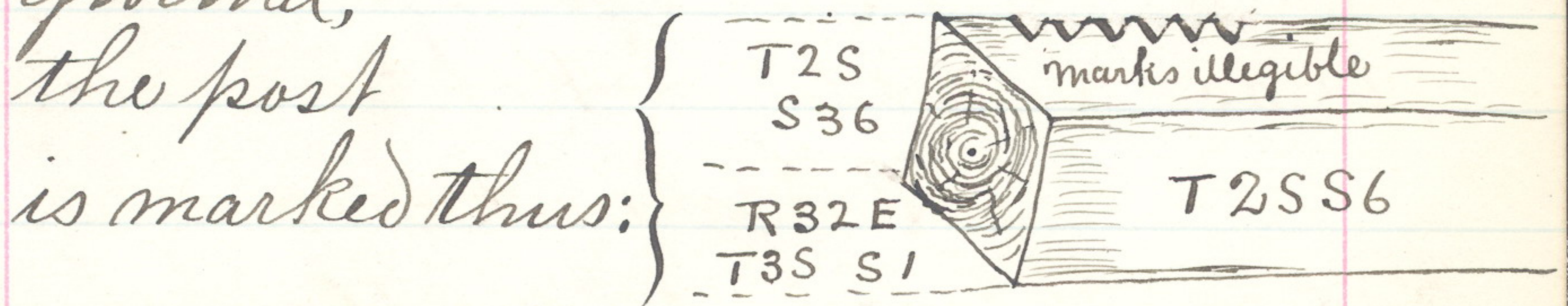
At point of intersection, I set a ba-  
 salt stone  $12 \times 8 \times 6$  ins. 8 ins. in ground  
 for closing cor. to secs. 30 + 31, marked  
 5 notches on N. cor., 1 notch on S. cor.,  
 CC on W. face; raised a md. of stone  
 2 ft. h.  $\times$   $3\frac{1}{2}$  ft. b. over cor., from which a  
 fir 12 ins. dia. bears N.  $20^{\circ} E$ , 33 lks. dist.,  
 marked T2SR33ES30BT. - A pine 36  
 ins. dia bears S.  $40^{\circ} E$ . 62 lks. dist., mar-  
 ked T2SR33ES31BT, on W. face of mntn.  
 Sand mntns. 137.60 chs. - Soil stony 5" rate.  
 Timber pine, fir & tamarack 98.10 chs.



Subdivisions of T. 2 South R. 33 East  
Willamette Meridian, Oregon.

I commence at S.E. cor. to Tp. 2 S. R. 32 E.  
which is a fir post 4 ft. long and  $3\frac{1}{2}$   
ins. sq. at top, pretty well decomposed,  
lying loose upon the ground, by  
the side of an unmarked basalt  
stone  $8 \times 6 \times 5$  ins., about  $\frac{1}{2}$  its length in  
ground;

the post  
is marked thus:



From position of stone & post,

A pine 30 ins. dia. bears  $N 58^{\circ} 10' E$  86 lks. dist.,  
marked T2 S. R 33 E S1 BT

A fir 16 ins. dia. bears  $S 37^{\circ} 35' E$  182 lks. dist.,  
marked, but blazes grown over, so the marks are  
(illegible).

A pine 30 ins. dia. bears  $S 45^{\circ} 30' W$  204 lks. dist.,  
marked T2 S R 32 E S. 1 BT.

A pine 20 ins. dia bears  $N. 20^{\circ} 35' W$ . 112 lks. dist.,  
marked T2 S. R 32 E S 36 BT.

On summit of high ridge at south



## Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

(8093-10 M.)

edge of sage brush thicket

Thence I run

North on E. bndy. of sec. 36  
va 18° 30

Following on this line are the original blazed trees:-

11.50

Descend steep hill

13.00

Enter thicket of tamarack;  
find blazed trees on line.

15.03

Search diligently; but find no traces of closing Tr. cor. as reported, and the topography does not agree.

20.00

 $\frac{1.35}{21.35}$ The topography agrees with that reported; I set post mkd. 20 on south side, on line, mkd. by old blazes on trees, and go to  $\frac{1}{4}$  sec. cor. on N. bndy. of sec. 5. T 3 S R 33 E, which is a pine post 4 ft. long and 4 ins. dia., marked '4 S, and lying on the



Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

ground by a mound of stone,  
at upper edge of a grove of young  
tamarack trees, on west slope of  
hill, from which

a pine, 6 ins. dia., bears  $S 64^{\circ} W$ . 91 lks. dist.,  
marked  $\frac{1}{4}$  S. B.T.

a pine, 20 ins. dia., bears  $N 42^{\circ} E$  110 lks. dist.,  
marked  $\frac{1}{4}$  S. B.T.

From, thence,  
west on north body of sec. 5  
va.  $18^{\circ} 30' E$ .

Descend

8.00 Draw course  $N 20^{\circ} W$

8.88 Intersect E body of Tp 2 SR 32 E 135  
links north of line post marked  
20 on south side, on old blazed line.

I find the topography, at this point  
to agree with original notes, and,  
again, diligently search for closing  
Tp. cor. as reported in notes, but find  
no traces of any such cor.



Subdivisions of T. 2 South R. 33 East

Willamette Meridian, Oregon.

(8093-10 M.)

In this vicinity, at certain seasons of the year, there are frequent and fearful water sprouts, as they are called, hence, it is probable that the cor. stone reported, has been carried away by one of them.

At point of intersection, I set a basalt stone  $18 \times 12 \times 10$  ins. 12 ins. in ground, for closing cor. to T. 2 S R. 33 E., marked C notches on N. & S. faces and CC on east face, in a draw, on west slope among clumps of Alder and willow brush, from which Atamarack 18 ins. dia. bears  $N. 40^{\circ} 15' E.$  19 lks. dist., marked T. 2 S R. 33 E. S. 31 CC B. T.  
A fir 18 ins. dia. bears  $N. 18^{\circ} 15' W.$  29 links dist., marked T. 2 S R. 32 E. S. 36 B. T.

See Letter dated }  
Aug 8<sup>th</sup> 1892 } July 25<sup>th</sup> 1892.



Bk. 227

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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 subdivisinal lines of Township 2 South, Range 33 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 subdivisinal lines of Township 2 South, Range 33 East Willamette Meridian, Oregon,

as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the U. S. Surveyor General of Oregon.

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

Subscribed and sworn to before me, this sixth day of October 1897

[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 29 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 33 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 direc-  
tions; and I do further solemnly swear that all the corners of said survey  
have been established and perpetuated in strict accordance with the Sur-  
veying Manual, printed instructions, the special written instructions of  
the U. S. Surveyor General for Oregon, and in the specific manner de-  
scribed 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 sixth

day of October 1891

W M Pierce  
County Clerk



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### FINAL OATHS FOR SURVEYS.

A list of the names of the individua's employed by John 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 subdivision and Exterior lines of Township No 2 South of Range No 33 East of Williamette Meridian, Oregon, showing the respective capacities in which they acted:

- ....., Compassman.
- Edgar R. Thomson....., Chainman.
- Jacob C. Still....., Chainman.
- ....., Chainman.
- ....., Chainman.
- James P. Caffrey....., Axeman.
- Ellsworth B. Hall....., Axeman.
- Moses H. Thomson....., Flagman.

### FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted John C. Arnold, U. S. Deputy Surveyor, in surveying all those parts or portions of the Exterior and subdivisional lines of T 2 South R 33 East, Williamette Meridian, Oregon.

as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the U. S. Surveyor General of Oregon.

- ....., Compassman.
- Jacob C. Still....., Chainman.
- Moses H. Thomson....., ~~Chainman~~ Flagman
- Edgar R. Thomson....., Chainman.
- ....., Chainman
- James P. Caffrey....., Axeman.
- Ellsworth B. Hall....., Axeman.
- ....., Flagman.

Subscribed and sworn to before me, this third day of October 18 90

[SEAL.] Wm. Pierce County Clerk  
By J. O. Beaman Deputy



Pages 232 & 233  
are BLANK

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## FINAL OATH OF DEPUTY SURVEYOR.

I, \_\_\_\_\_  
United States Deputy Surveyor, do solemnly swear that in pursuance of  
instructions received from \_\_\_\_\_

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

day of \_\_\_\_\_ 188\_\_\_, 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 \_\_\_\_\_

\_\_\_\_\_  
Willamette Meridian, in the State of Oregon, as are represented in the  
foregoing field notes as having been surveyed by me and under my direc-  
tions; and I do further solemnly swear that all the corners of said survey  
have been established and perpetuated in strict accordance with the Sur-  
veying Manual, printed instructions, the special written instructions of  
the U. S. Surveyor General for Oregon, and in the specific manner de-  
scribed 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.

\_\_\_\_\_  
*U. S. Deputy Surveyor.*

*Subscribed and sworn to before me, this* \_\_\_\_\_

*day of* \_\_\_\_\_ 188\_\_\_



**Office U. S. Surveyor General,**Portland, Oregon, *September 20,* 1892The <sup>foregoing</sup> ~~following~~ Field Notes of the Survey of the*the subdivisinal lines of Township  
No 2 South, Range No 33 East Willamette  
Meridian Oregon*executed by *John C. Arnold U. S. Dept Sur.*under his Contract No. *551*, 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.