

PLAT AND RECORD OF SURVEY No. 46

Request of Sho^r. Ryan et al. Nov. 4th 1859.

So subdivide sec. 30. T. 47 N. R. 36 E. W. 7m. Or.

Assisted by Simon Deardorf and Jno. Hill, sworn chainmen, and Wm. H. Beath and Sho^r. A. Ryan, sworn flagman, I find $\frac{1}{4}$ sec. cor. bet. sec. 29th & 30. T. 47 N. R. 36 E., as per field notes of the original survey, the S.E. bearing tree cut down, but letters B.S., plainly visible on stump, and the S.W. witness tree still standing.

I set a basalt stone 19x14x7 ins. mhd. $\frac{1}{4}$ on W. face on gentle S.W. slope, from which an original bearing tree, a pine 36 ins. dia. bears S. 65° W. 108 ft. dist, and the stump of an original bearing tree which has recently been cut down, of about the same dia. brs. S 63° E. 54 ft. dist. 72. 21° E.

Instrument in use is a Mason Theodolite.

From said $\frac{1}{4}$ sec. cor., I run on random line bet. sec. 29th and 30. Ascend.

North

- 35 Wagon Road, brs. E & W.
- 67 Fence " " Enter field.
- 332 Ravine, course S.W.
- 1320 Set temp. $\frac{1}{4}$ sec. cor.
- 1650 Summit.
- 1976 Fence, E^{re} W. Leave field, and descend hill.
- 2100 Enter brush and timber on steep N. hill side.
- 2621 Int. E^{re} & W. line, ft. E. of cor. to sec. 19. 20. 29th & 30, which is the original balm post in stone rnd., on steep hill side facing N. E., from which an original B.S. a Larch 24 ins. dia. brs. S 45° E. 98 ft. dist.
- " " " " " 30 " " " N 65° 20' E. 127 ft. dist.
- Thence I run on rand. line bet. sec. 19th & 30. 72. 21° E.
- Ascend over point.
- 350 Ravine, course N. Ascend.
- 800 Leave brush and timber
- 1000 Summit.
- 2497 Ravine, course, course N.W. Scattering pine trees and brush.
- 2658 Int. N^{re} & S. line 109 ft N. of $\frac{1}{4}$ sec. cor., which is a pine post 3 ins. dia. flattened on two sides with $\frac{1}{4}$ S on each side, in md. with pits, from which original bearing trees to wit:

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Corner	Degrees	Minutes	Chains	Links
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A pine stump 30 ins. dia. mkd. B.D. brs. S. 2. 20° E. 84 ft. dist., and a living pine tree, same dia. brs. N. 34. 30° W. 94 ft. dist. - I make new B.D. a pine 12 ins. dia. mkd. $\frac{1}{4}$ S B.D. brs. S. 49. 30° W. 11 ft. dist.

From this cor. I run on rand. line bet. secs. 19th & 30. ra. 21° E.

948' A pine tree 18 ins. N. of rand. line and 42 ins. dia. is blazed S 6th & S.W. 2¹/₂ ft. above ground, on hill side, mkd. S 6 cut = S 24 T 4 N 1 B overgrowth of 2¹/₂ ins. About 35 ft. E. a pine of about same size, 9 ft. N. of rand. line, is mkd. 3 notches, cut in S. side, judging from overgrowth, at same time. I conclude these trees have been mkd. by some of the original party of surveyors, and, hence have no meaning.

1035 Summit.

1260 Ravine, course N. E.

1320 Set temp. $\frac{1}{16}$ sec. cor. 60 ft. W. of ravine

1500 Mark line, and close work for the day. Mond. Nov. 4. 1889.

Phelan L. Lamson, sworn flagman, vice Tho^s. Ryan.

I commence at $\frac{1}{4}$ sec. cor. bet. secs. 29th & 30, and run, on random line bet. secs. 29th & 30. ra. 21°

65' Well about 4 ft. E. of line.

198 Ravine, course W. Ascend.

235 " " N. W.

650 Lone pine brs. W. of line.

1320 Set temp. $\frac{1}{16}$ sec. cor.

1600 Summit.

2550 Rail fences, E. $\frac{3}{4}$ & W.

2640 Set temp. cor. to secs. 29. 30. 31. 32. No traces of original cor.

Thence, I run on rand. line bet. secs. 30th & 31. ra. 21° E.

170 Fence cor. - fences E. S. $\frac{3}{4}$ & W.

1060 Ravine, course S. W.

1320 Set temp. $\frac{1}{16}$ sec. cor.

2640 " " $\frac{1}{4}$ " "

2900 Summit

2932 Int. N. $\frac{1}{2}$ & S. line 8.2 ft. S of $\frac{1}{4}$ sec. cor. bet. secs. 30th & 31,

Course	Degrees	Minutes	Chains	Links
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which is the two original bearing trees 43 ft. apart, the cor. point having become extinct. I find, from original notes, the point best to harmonize courses and distances, and set a basalt stone 20x16x4 ins. on hill side facing N., stone marked $\frac{1}{4}$ on N., from which one original B.T. bears S. 59° W. 17' dist. on the other B.T. bears N. 32° 36' E. 26' dist. from stone. From this cor. I run on random line

West

N. 21° E.

- 250 Ravine, course S. - Ascend hill.
 320 Wagon road down ravine.
 1320 Set temp. $\frac{1}{16}$ sec. cor. 54 ft. W. of N. & S. fence, on reputed Range line.
 2000 Summit, in stubble field
 2470 Set temp. sec. cor., on gentle west slope in stubble field.

Commence at cor. for $\frac{1}{4}$ sec. on W. bndy. of sec. 19. T. 4 N. R. 36 E., which is the original post in md. with pits, when found by me in a survey for W. H. Fletcher et al. Dec. 3rd 1855, (see P. 143), and now verified by Jno. R. Beaton, present, with me.

I set at true cor. point a basalt stone, about 8x8x8 ins., corner in angle of old lines of fencing N. $\frac{3}{4}$ W.

Thence I run, on random Range line N. 20° E.

South

- 750 Center of Cañon, course N. E.
 823 Pine tree hrs. W. of line.
 1910 Gulch, course N. E.
 1963 Pine tree hrs. W. of line.
 2045 " " " " " "
 2640 Set temp. sec. cor. no traces of original cor.
 3950 Gulch, course N. E.
 3960 Set temp. $\frac{1}{16}$ sec. cor. in head of ravine, course N. E.
 4308 County road, hrs. E. $\frac{1}{4}$ W.
 4389 Cross E. $\frac{1}{4}$ W. fence and enter field.
 5280 Set temp. $\frac{1}{4}$ sec. cor. no traces of original cor. (W. bndy. sec. 30)
 6600 " " " " " "
 7900 Fence, E. $\frac{1}{4}$ W.
 7920 Set temp. sec. cor. sec. 30 & 31 T. 4 N. R. 36 E.

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Course	Degrees	Minutes	Chains	Links
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Feet

8962 Int. rand. S. bndy. sec. 30. 3' west of temp. to sec. cor.

8988 Ravine, course E.

9240 Set temp. to sec. cor.

10238 Ravine, course S. E.

10754 " " E.

10855 Pine 4 ins. dia. on line.

11730 Ravine, course S. E.

12620 " " "

13178 Int. S. bndy. of Sp. 73 ft. west of Sp. cor., which is the old original post, lying on an old md. with pits, and a basalt stone, m. hd. 3 notches N. & E. ^{3/4} W. and + on top, on S. E. hill side, in angle of ravine run'g S. into Pine creek, about 500 ft. N. W. of junction. I measure said stone, 24 x 12 x 7 ins., and cut 6 notches on N., and on S. faces, and 6 notches on E., and on W. edges, and reset same in md.

The $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30., on line bet. ranges 35^{3/4} & 36 E.

See on following testimony on file:-

Days	Degrees	Minutes	Chains	Links
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Simon Deardorf, chmn., remembers the old fence Nth & S. said to be on the range line at this place. All parties present agree on the exact old fence line, plainly indicated by bits of bark and portions of old fence posts and by rose briars along a well defined Nth & S. line. I set, in the old mound, covered with stone, a basalt stone 12x8x5 ins., 24 ins. in ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. There is indications of old fence line runing west from this cor. which is 12 ft. N. and 187 ft. E. of temp. cor. set on rand. S. line. Having now found the four $\frac{1}{4}$ sec. cors. about sec. 30, I proceed to connect those on opposite sides of the sec. by right lines and at the intersection of these lines, I set a basalt stone 18x12x4 ins., mkd. C.S. on N. face, for centr. cor. to sec. 30. in saddle and on N. side of traveled road E^{ase} & W.

To set N. W. cor. Sec. 30.

$5280' - 12' = 5268'$; $5268' \div 2 = 2634'$; and $5268' : 187' :: 263' : 93.5'$. Therefor I move temp. N. W. cor. sec. 30, N. 6 ft., then E. 93 $\frac{1}{2}$ ft., and set a basalt boulder 17x8x6 ins. 15 ins. in ground, for cor. to sec. 19th 30, mkd. 2 notches on S. face, and 6 notches on E., under wire fence, about 50 ft. E. of cor. of fences Sth & W. on N. E. slope of hill. From this cor. I run on random line bet sec. 19th & 30th to a 21st

86

51.30

Descend.

PLAT AND RECORD OF SURVEY No. 4619

Course.	Degrees. Minutes.	Chains.	Links.
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S.E.	57.30	1000	Set (from N.W. cor. sec. 30) Set temp line stake, or 16 sec. cor.
		1080	Ravine, course N.E. - Enter brush and timber.
		1123	Wagon road bears N.E. ^{na} S.W.
		1253	Pine with dead top, about 8 ft. South of line.
		2000	A point 135 ft. N. of $\frac{1}{4}$ sec. cor.

I find S.W. cor. of sec. 30, in the same place, as when found by me Aug. 1878, at which time the original charred post was found, with mound & pits, and verified by Chas. M. Morris.

I find this cor. to be 14 lks. N. and 135 ft. E. of 16 sec. cor. random line, South from $\frac{1}{4}$ sec. cor. on W. bndy. sec. 19.

To set 16 sec. cor. on S. $\frac{1}{2}$ of W. bndy. of sec. 30.

$187' - 135' = 52'$; $52' \div 2 = 26'$; $7920' - 14' = 7906'$; $7906' - 5268' = 2638'$; $2638' \div 2 = 1319'$.

\therefore I move temp. 16 sec. cor. N. 13' then East 161 ft. and set a basalt stone $20 \times 12 \times 7$ mks. + on top, 3' N. of E.^{na} W. fence, and 134' west of cor. fences N.W.^{na} S.

To set 16 sec. cor. on N. $\frac{1}{2}$ of W. bndy. of sec. 30.

$5268' \times .75 = 3951'$; $3960' - 3951' = 9'$; and $187' \times .75 = 140\frac{1}{4}'$

\therefore I move temp. 16 sec. cor. N. 9 ft. then E. 140 $\frac{1}{4}$ ft. and set a basalt stone, $8 \times 8 \times 6$ ins. mks. + on top, on steep and brushy hill side, facing N., from which a pine 5 ins. dia. brs. South 7 ft. dist.

To set 16 sec. cor. on W. $\frac{1}{2}$ of line bet. secs. 19^{na} and 30.

$37.01 \text{ chs.} = 2442.66 \text{ ft.}$; $\therefore 2442.66' : 2044' :: 1320' : 1104.56'$; and $2044 : 135' :: 932.93' : 1104.56'$

$1000 - 932.93 = 60.57'$. \therefore I move temp. 16 sec. cor. (1000 stake) N. $47' : 52' W. 60.57'$ ft., then S. 61.55 ft. and set a basalt stone $13 \times 13 \times 2$ ins. mks. + on N. face on hill side facing S.E. on N. side of ravine. A pine 12 ins. dia. brs. S. $26' W. 115$ ft. dist.

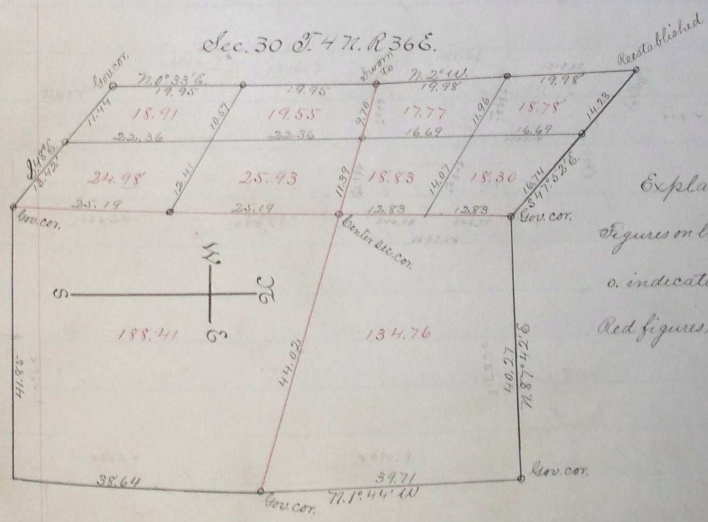
To set 16 sec. cor. on W. $\frac{1}{2}$ of line bet. secs. 30^{na} and 31.

From S.W. cor. sec. 30, I can see a flag at $\frac{1}{4}$ sec. cor. bet. secs. 30^{na} and 31. I, therefore run S. $48' E.$ (va. $21' E.$) on true line bet. secs. 30^{na} and 31

Course	Degrees	Minutes	Chains	Links
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- 500 Drive stake to mark line.
- 860 Bunch of Sarras bushes.
- 1000 Set temp. to sec. cor.
- 1120 Enter timber
- 1225 A pine about 30 ins. dia, and about 4 ins N. of line.
- 1324 Ravine, course S. Ascend
- 1362 Wagon road brs. N. and S.
- 1395 Ravine course S.W.
- 1641 The 1/2 sec. cor. bet. secs. 30 and 31.

1641 ft. = 2487 - chs. ∴ 37.05 : 24.87 :: 20 : 13.42 chs. = 886 - feet. 1641 - 886 = 755' and 1000 - 755 = 245'. I, therefore, move temp. to sec. cor. N. 48° W. 245 ft. and set true cor. Making the proper bisections, and obtaining the proper proportional distances, set other 1/2 sec. corners, as shown in the following plat:—



Explanations.
 Figures on lines - chains.
 c. indicates stone cor.
 Red figures show areas.

Jno. L. Arnold, County Surveyor,
 Umatilla County, Oregon.