

(Jas. S. Phillips, S. Phillips, Iron Ore, A. Stagg and

Request } Saml. T. Phillips, April, 23^d. 1885.
Subdivision of Sec. 12 T. 4 N. R. 35 E.

Assisted by Saml. T. Phillips and Augustus Wynn,
sworn chainmen, I commence at $\frac{1}{4}$ Sec. cor. on E. bdy of
Sec. 12 T. 4 N. R. 35 E. and with a Burt's improved Solar
Compass, adjusted to the sun's declination, I run on
random line through the center of Sec. 12.

Course.	Degree.	Minutes.	Chains.	Links.	
West				5 12	Cross fence at foot of bluff.
				20	Set temp $\frac{1}{16}$ sec. cor.
				22 90	Cross fence
				40	Set temp center Sec. 12.
				80	" " $\frac{1}{4}$ Sec. cor. - Do not find original cor.
					From S.W. cor. Sec. 12., which is a basalt stone in the original mound as shown by old pits, on hillside facing west I run on random line, north along W. bdy. of 12 - or. as indicated by Inst. $22^{\circ} E$ <small>{ of temp cor.</small>
North random				39 12	Intersect E. & W. random through center Sec. 12, 100 links west.
				40	Set temp $\frac{1}{16}$ Sec. Cor. on N. & S. random
				80 42	Intersect East & West line 56 links east of cor. for Sec. 12, 100 which cor. I find to be a basalt boulder, as deep as may be in the ground. old orig. stake lying by - and 4 very plain old pits about the stone; from this corner I run on random line bet. Secs. 1 & 12
East random				40	A ravine - course north
				56	Intersect random line on west bdy of Sec. 12.
				19 50	Dry creek - course N. W.
				20	Set temp. $\frac{1}{16}$ Sec. cor.
				40	" " $\frac{1}{4}$ " "
				81 80	Intersect N. & S. line 57 $\frac{1}{2}$ links south of Sec. cor. ... Connection for $\frac{1}{4}$ Sec. Cor. is $180 \div 2 = 90$ links east

and $.5 \frac{1}{2} \div 2 = 28 \frac{3}{4}$ links west of temp. $\frac{1}{4}$ Sec. cor. - I find this place exactly agrees with the place pointed out before commencing the survey, by J. S. Phillips, as place for original corner. Mr. Phillips having known the cor. some 15 years ago. I therefore set a basalt stone $32 \times 7 \times 6$ ins. marked $\frac{1}{4}$ on N. face, set 24 ins. in ground - raised stone mound - hillside facing south

I move temp. quar. quar. cor. on N. hdy. of $\frac{1}{4}$ Sec 12, east 45 links, and north $14 \frac{1}{3}$ links and set, on N. bank of Dry Creek, a basalt stone $22 \times 7 \times 6$ ins. marked X out to new residence of L. Phipps.

From $\frac{1}{4}$ Sec. Cor. on N. hdy. of Sec. 12, I run on random

- 9 20 Enter timber on Dry Creek
 11 80 Dry Creek - course N. W.
 40 Set temp. center Sec. 12. on N. + S. random center line
 46 20 Intersect random E + W. line through center Sec. 53 links west of temp. center stake set on same line.
 66 Set temp. $\frac{1}{16}$ Sec. cor.
 80 18 Intersect E + W. line 21 $\frac{1}{2}$ links east of $\frac{1}{4}$ Sec. cor. - an old mound and stake decayed - no charcoal to be seen. On testimony of Donl. Charra, John Charra, S. S. Phillips, A. Staggs and Larkin Phipps, - Set stone $18 \times 12 \times 6$ ins. marked 5 on N. - I move temp center stake $10 \frac{3}{4}$ links west and 9 links south, and move temp $\frac{1}{16}$ Sec. cor. $16 \frac{1}{3}$ links west and stake out line some rods N. + S. of temp. center.

I then calculate point for $\frac{1}{4}$ Sec. cor. on N. hdy. of 12: $112 \div 2 = 21$ move temp. $\frac{1}{4}$ Sec. cor. N. and $56 \div 2 = 28$ links move same temp. cor. west, making the line E + W. through center Sec 12. 8128 chs., with a correction for temp center stake on this line of 10 $\frac{1}{2}$ links N. and 64 links W.

Corners	Degrees	Minutes	Chains	Links
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I find the corrected line E. & W. through center crosses the corrected N. & S. center line 34 links south of temp. center stake on that line and at distance of 40.66 chs. from $\frac{1}{4}$ sec. cor. on E. bdy. of Sec. 12. At this point I set a basalt stone 15x11x3, marked S 12 on N. face.

Having carefully measured the east boundary of S. E. $\frac{1}{4}$ of Sec. 12 in a former survey, and found it to be 39.60 chs. I run from S.E. cor. of Sec 12, on true east boundary of the section,

19 80 Set a flat basalt stone 17x5 $\frac{1}{2}$ x1 ins., marked x on N. face for quar. quar. cor. on E. side of S.E. $\frac{1}{4}$ of Sec. 12, and I run, thence, on random through center of S.E. $\frac{1}{4}$ of

West

20 Set temp. center S.E. $\frac{1}{4}$ Sec. 12.

40 42 Intersect true N. & S. line through center of Sec. 29 links N. of temp. quar. quar. cor. which I move 30 $\frac{1}{2}$ links south, $(80.18 - (10 + 9 + 34)) = 80.18 - 40.43 = 39.75, \sqrt{39.75 \div 2} = 19.87\frac{1}{2}; 20.18 - 19.87 = 30\frac{1}{2}$, correction west having been made) Set a basalt stone 13x11x6 ins. marked x on top, in plowed field, hillside facing north; I then move temp. center S.E. $\frac{1}{4}$ $(29 + 30\frac{1}{2}) = 29\frac{1}{4}$ links south and $42 \div 2 = 21$ links west, and set temp. stakes some feet E. & W. of temp. center, on line bet. opposite corners, on E. & W. bdy. of S.E. $\frac{1}{4}$.

East

20 From S.W. cor. Sec. 12, I run east on random, between S. & N. 12 & 13, along traveled road in lane-course about 39° 50' N. E. Set temp. $\frac{1}{16}$ sec. cor.

40 16 Intersect N. & S. line 3 links S. of cor. for Sec. 12 & 13. \therefore I move temp. quar. stake 8 links east and $\frac{1}{2}$ links north, and set a basalt stone 10x8x6 ins. marked x on top, dug pits E. & W. for $\frac{1}{16}$ sec. cor. on S. bdy. of S.E. $\frac{1}{4}$ of

From qur. qur. cor. on S. ldy. of S.E. 1/4 of Sec 12, I run on random line through center of S.E. 1/4

19 55 Intersect E. & W. line through center S.E. 1/4 15 links E of temp. cor.

39 61 " " " " " " Sec 12 1st random, 2 links

west of temp. qur. cor. set on same, which I correct, as follows:

$21 \div 4 = 5 \frac{1}{4}$ links move north; $66 \div 2 = 33$ links move west;

and set a basalt stone $15 \times 12 \times 5$ marked X on top, on hill side facing east; correcting the random line N. & S. through center of S.E. 1/4, I find point of intersection, practically, at temp. cor. set on true E. & W. line through center of S.E. 1/4,

and set a basalt stone $16 \times 8 \times 5 \frac{1}{2}$ ins. marked X on top and dug pits N. S., E. & W. of cor. on table land, gently sloping north.

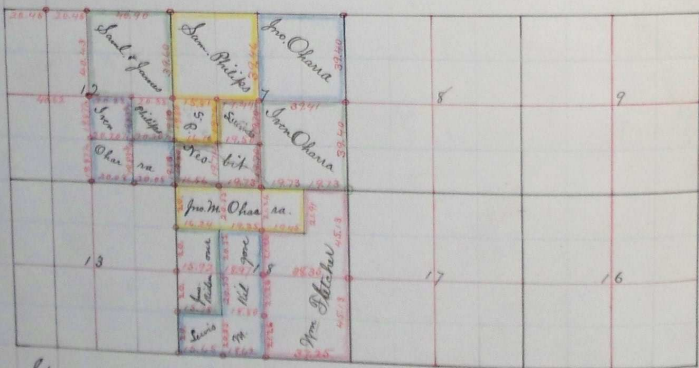
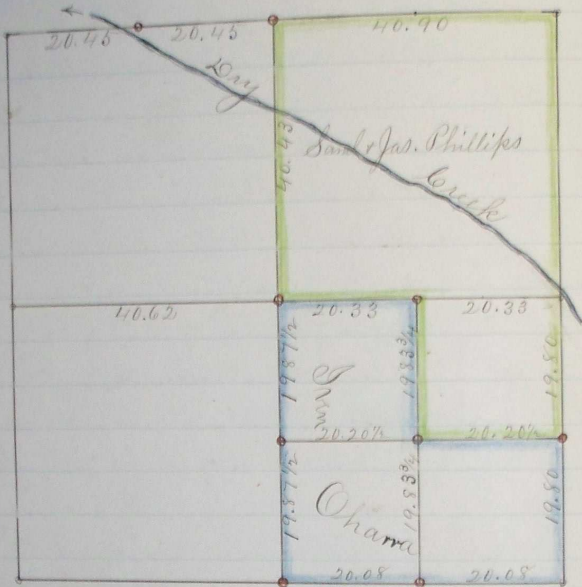
The whole section is very rough. Dry Creek courses through it, as per accompanying plat, and the banks on either side, or, rather, bluffs, are in most places quite precipitous, allowing correct use of only 10 or 15 links in measuring with the chain.

Platted on P. 128.

W. J. Chalk, Sec. Suror. Umatilla Co. Or.
Per. Jno. C. Arnold, Dpty.

Course, Degree, Minutes, Chains, Links.

Section 12, T. 4 N., R. 35 E.



Stone corners marked.

W. S. Chalk, Co. Surv. Yamatilla Co. O.
Per. Geo. C. Arnold, Dpty.