

PLAT AND RECORD OF SURVEY No. 33

Request of Mrs. Frances Lockwood, July 14. 1888.

To Subdivide Sec. 16. T. 5 N. R. 28 E. N. M.

Course. Degree. Minutes. Chains. Links.

Lewis Markham and L. B. Jay, sworn chainmen, and Chas. Saunders and Frank Saunders, sworn flagmen. Instrument a Burt's Solar Compass.

Commence at $\frac{1}{4}$ sec. cor. bet. secs. 16 & 17. T. 5 N. R. 28 E., which is the end of original $\frac{1}{4}$ sec. post, in ground with 3 other stakes in different stages of decay; also, a round iron pin, about 1 ft. long and 1 in. dia., 18 ins. in ground.

Thence run on true meridian,

South	2 50	Ascend hill.
	8 70	Summit.
	12 50	Descend.
	34 00	Old road at foot of descent, parallel to course of Umatilla R. <small>(waters edge on W)</small>
	36 00	Precipitous basalt, E. bank of Umatilla River, about 25 lks. from
	37 20	Water's edge " " " "
	40	A pt. in Umatilla river, 31 lks. E. of E. side of small island, elliptical in form, major axis 98 lks. and minor axis 22 lks.
		Set temp. sec. cor. which, from roots of trees, which I stake, from description given in original notes, and from an old Indian, called, who claims to know the locality of original cor., to be roots of orig. 13 ts. and which would show the temp. sec. cor. to be at true place, (See p. 186)
East		From this temp. cor. in river, run on random line bet. secs. 16 & 17
	1 10	E. bank of river
	1 75	Old wagon road
	4 75	R. R. track.
	20	Set temp $\frac{1}{4}$ sec. cor.
	40	" " $\frac{1}{4}$ " " 33 links S. of small stone mound - descend
	51	Cross hollow - ascend.
	55	Summit of stony ridge.
	79 44	Int. N. & S. line 80 links S. of stone mound - sec. cor., from which
		run N. on random line bet. secs. 15 & 16.
North	10 20	Old wagon road, N. W. & S. E.
	25 10	" trail, course " "
	40 40	The orig $\frac{1}{4}$ sec. cor. post, mound and pits, well preserved.

PLAT AND RECORD OF SURVEY No. 33

Course	Degrees	Minutes	Chains	Links
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62 Descend.
 79 95 Int. E. & W. line, 24 links west of cor. to secs. 9, 10, 15, 16
 I run, thence west on random line bet. secs. 9 & 16 - ra. 21°
 21 90 R. R. track course N.E. & S.W.
 40 Set temp $\frac{1}{4}$ sec. cor. - Find no indications of any other cor. near.
 80 " " sec. " (Too late in the day to hunt for original cor.)

July 14. 1888

I commence at $\frac{1}{4}$ sec. cor. bet. Secs. 16 & 17, and run on a ran-
 line bet. Secs. 16 & 17. ra. 20° E.

28 70 R. R. track for turning engines.

29 70 " " main line, course N.E. & S.W.

40 Int. E. & W. line 29 links East of cor. to secs. 8, 9, 16 & 17

This cor. is 110 links South and 59 links E of temp. cor. set yesterday (day

Corrections:-

I move temp $\frac{1}{4}$ sec. cor. on line bet. secs. 9 & 16, East 29 $\frac{1}{2}$ links, then 55 links
 South and deposit, in mound of smooth boulders, about 1 qt. of charcoal and
 3 RR tie spikes

$79.44 \div 2 = 39.72$ and $80 \div 2 = 40$. I move temp $\frac{1}{4}$ sec. cor. on line
 bet. Secs. 16 & 21, West 28 links, then North 40 links, and set post. mkd $\frac{1}{4}$ on N.

I set, at true pt. for $\frac{1}{4}$ sec. cor. on line bet. Secs. 16 & 17, an apple
 tree 3 ins. dia. $3\frac{1}{2}$ ft. long, mkd. $\frac{1}{4}$ S on West, in flat, west of sandy bluff and East
 of R. R. track

I run right lines N. & S. and E. & W. through the center of sec. 16
 and at their intersection, I set a balm post, 3 ins. dia. mkd. C.S. 16 on N. face, and $\frac{1}{4}$ on
 E. W. & S. faces, in sand mound, on a gentle S. slope.

The $\frac{1}{4}$ sec. cor. on W $\frac{1}{2}$ of E. & W. center sec. line, is a balm post 3 ins.
 dia. mkd. $\frac{1}{4}$ on W. near N. bank of bluff. - This is Mrs. Frances Lockwood's N.E. cor.

The $\frac{1}{4}$ sec. cor. on W $\frac{1}{2}$ of line bet. Secs. 16 & 21, is a balm post 2 $\frac{1}{2}$ ins. dia.
 in a sand mound, on a gentle S.E. slope. - This is Mrs. Frances Lockwood's S.E. cor.

Platted on P. 186. - Survey completed, July 16. 1888.

Jno. C. Arnold, County Surveyor.

Corns.	Degrees.	Minutes.	Chains.	Links.
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After a careful survey of the exterior lines of sec 16 T5 N R28 E, and measuring line bet. secs 17 & 20 and secs 20 & 21, and after obtaining all available information concerning same, I reestablish cor. to secs 16, 17, 20 & 21 T5 N R28 E W. 71 to be at a point in the Umatilla river, from which the nearest point of a cylindrical basaltic rock 103 links in circumference, at water surface and 14 links high (above water surface) bears S 15° W. 158 link dist. The river, at this point is about 400 links wide, shallow water coursing irregularly over the whole stone river bed, the general course of which agrees with original notes N 20° W.

Jno. C. Arnold, County Surveyor.

Corners set in a survey for J. F. Hoony et al July 29. 1888

The $\frac{1}{2}$ sec. cor. bet. secs. 20th & 21st T4 N. R. 36 E., which is a stone 16 x 9 x 6 ins. 12 ins. in ground, mtd. $\frac{1}{2}$ on W. at angle of old fence S. W. and set over original post, on high point of N. slope.

The $\frac{1}{2}$ sec. cor. bet. secs. 21st & 28, which is a stone 12 x 12 x 8 ins. 10 ins. in ground, mtd. $\frac{1}{2}$ on N. face, set by bearing trees & original notes, at true original cor. point

The $\frac{1}{2}$ sec. cor. bet. secs 16th & 21, which is a triangular basaltic stone 11 x 7 x 4 ins. 8 ins. in ground, mtd. $\frac{1}{2}$ on N. face

Jno. C. Arnold, County Surveyor.

Corners set in a survey for Saml Johnson, Oct. 17. 1888.

Cor. for secs 30th & 31 on line bet. T6 N. R. 35 E. T6 N., which is a granite stone 12 x 9 x 6 ins. 12 ground, mtd. 6 notches on E. & 1 notch on S., on high ridge, course E. & W. - Set at decayed post in original mound.

The $\frac{1}{2}$ sec. cor. bet. secs 30th & 31 T6 N. R. 35 E. which is a granite stone 15 x 9 x 7 ins. 12 ground, mtd. $\frac{1}{2}$ on N. on W. hill side, set midway bet. sec. cor's. and on true line.

Cor. for secs 31st & 32 T6 N. R. 35 E. which is a stone 20 x 12 x 8 ins. 15 ins. in ground, mtd. 5 notches on E. & 1 notch on W. over charred end of original post in mound, on ridge.

Sec. cor. T6 N. R. 35 E., which is a stone 19 x 8 x 4 ins. 12 ins. in ground, mtd. 6 notches on E and N. at point of original charred post, in center of original mound & pits all plain (except E pit)

The $\frac{1}{2}$ sec. cor. on W. bndy. sec 31 T6 N. R. 35 E. which is a stone 14 x 12 x 6 ins. 14 ins. in ground, mtd. $\frac{1}{2}$ on W. face, at point of original cor. verified by Saml Johnson.

Jno. C. Arnold, County Surveyor

The $\frac{1}{2}$ sec. cor. on S. bndy. of sec. 31 T6 N. R. 35 E. which is a stone 19 x 8 x 4 ins. 12 ins. in ground, mtd. 6 notches on E and N. at point of original charred post, in center of original mound & pits all plain (except E pit)