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FIELD NOTES

OF THE ~~SURVEY OF THE~~

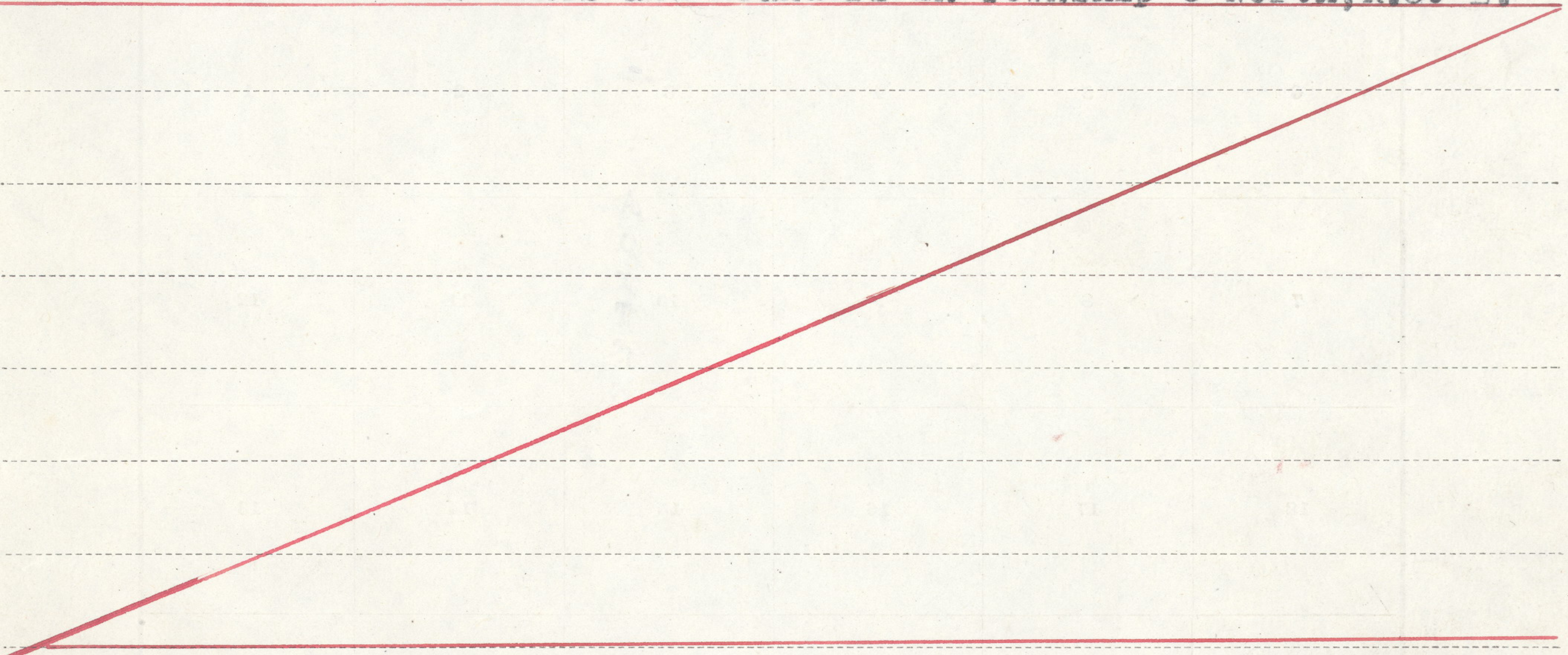
Resurvey of West Boundary of Township 6 North, Range 31 East;

and

Resurvey of South Boundary of Township 6 North, Range 30 East;

also

Subdivisional Section Lines and Meanders in Township 6 North, R. 30 E.



Of the Willamette Meridian,

In the State of Oregon

EXECUTED BY

Charles M. Collier

In the capacity of U. S. Surveyor, under ^{Special} instructions dated August 2, 1911, issued by the United States Surveyor General to govern surveys included in Group No. 7, which were approved by the Commissioner of the General Land Office, August 24, 1911, pursuant to authority contained in the Act of Congress dated June 25, 1910.

Survey commenced August 11, 1911.

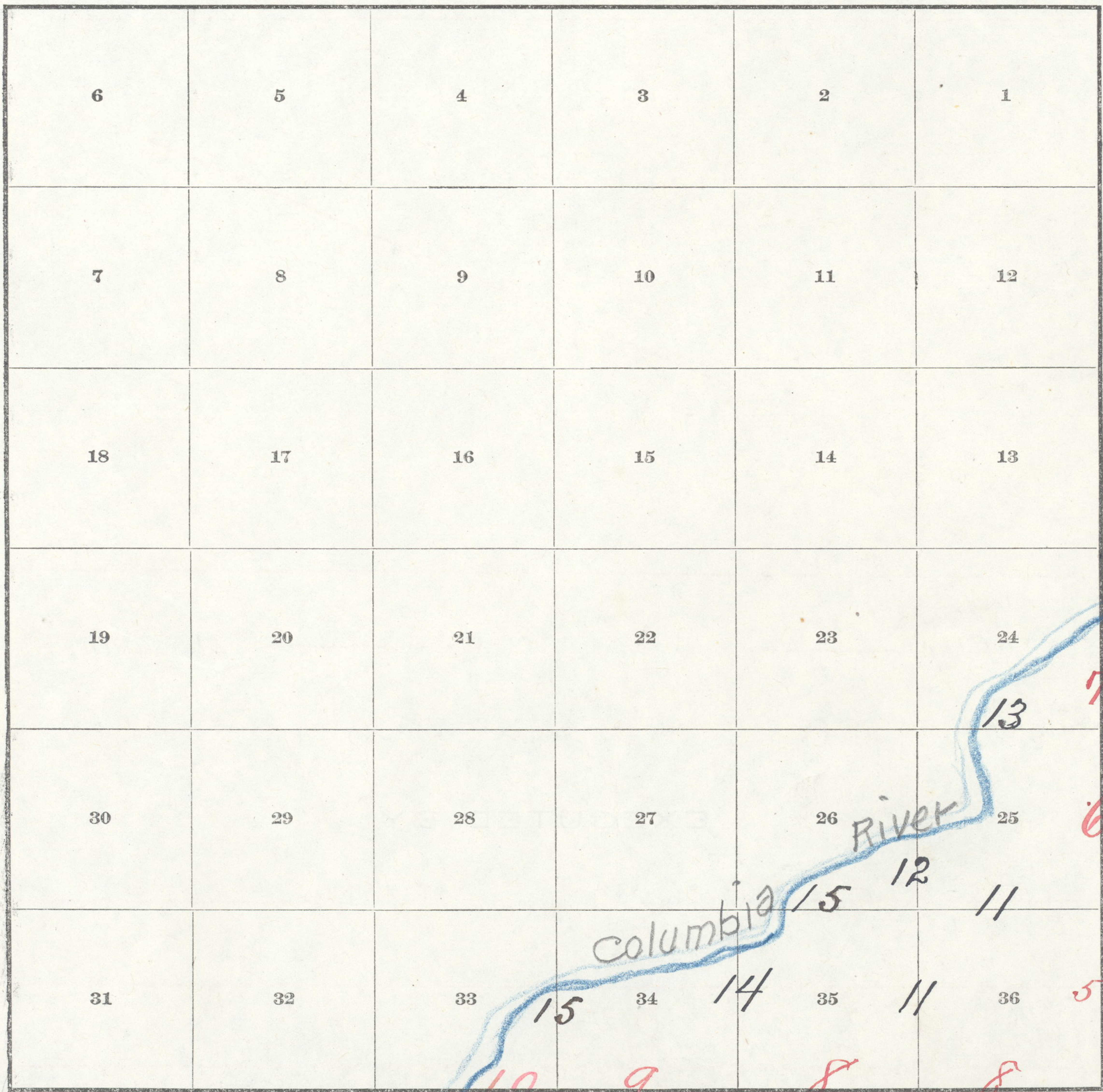
Survey completed August 19, 1911.

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ACCEPTED BY THE HON. COMMISSIONER G. L. O. November 9, 1914

INDEX DIAGRAM.

Township 6 North, Range 30 East.



Meanders pages 17, 18 and 19

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Surveys.

Resurveys.

RESURVEY OF THE WEST BDY. OF TP. 6 N., R. 31 E., W.M. OREGON

Chains

- and raise a mound of earth 4 ft. base, 2 ft. high W. of corner.
- From this corner the initial point of the survey of the Oregon-Washington Bdy. line, on the East bank of the Columbia River, bears N. 31 deg. 53' E. 135.63 chs. dist.
- Thence I run,
South, retracing the W. bdy. of Sec. 30
- 40.00 All evidence of the old $\frac{1}{4}$ sec. cor., described as a post with pits and mound of earth has entirely disappeared.
Set temp. $\frac{1}{4}$ sec. cor.
- 79.10 My line falls 120 lks. East of the old cor. of Secs. 25, 30, 31 and 36 as identified by the old post and charcoal deposit still in place.
The line bears S. 0 deg. 52' W.
-
- From the old corner of Secs. 25, 30, 31 and 36,
I run
South, retracing the W. bdy. of Sec. 31
- 39.68 My line falls 5 lks. West of the $\frac{1}{4}$ sec. cor. which is a decayed post with marks still legible.
The line bears S. 0 deg. 4' E.
Thence from the old $\frac{1}{4}$ sec. cor.,
I run, South retracing the West bdy. of Sec. 31
- 39.28 My line falls 21 lks. east of the cor. of Tps. 5 & 6 N., Rgs. 30 and 31 E. At this Tp. corner I find the stump of the original bearing tree, a juniper 20 ins. diam. S. 69 deg. 30' E., 5.50 chs. dist., cut off about 12 ins above the surface of the ground, still showing marks on lower facing; also the stump of the original bearing tree, a juniper 24 ins. diam., N. 8 deg. 30' E. 3 chs. dist., cut off at surface of the ground. No trace of the old post to be found.
- By reference to the stumps of the original bearing trees I relocate the original position of the corner, at which point, I set a Juniper Post 3 ft. long, 4 ins. sq., 24

RESURVEY OF THE WEST BDY. OF TP. 6 N., R. 31 E., W.M. OREGON

ins. in the ground for corner of Tps. 5 & 6 N., Rgs. 30 and 31 E., mkd. T 6 N S 31 on N.E.

R 31 E S 6 on S.E.

T 5 N S 1 on S.W. and

R 30 E S 36 on N.W. faces, with 6

notches on each edge from which,

A juniper 6 ins. diam. bears S. 78 deg. E. 485 lks.

dist. mkd. T 5 N R 31 E S 6 B T

A juniper 6 ins. diam. bears N. 5 deg. 30' E. 261 lks

dist. mkd. T 6 N R 31 E S 31 B T

No other trees available; dig pits 24 x 24 x 12 ins.

on each line N. E. & W. 4 ft. and S. of post 8 ft. dist;

and raise a mound of earth 5 ft. base, 2 1/2 ft. high S. of

corner.- From this Tp. cor. the (Latitude is 45°57' N.

(Longitude 119°00' W.

Thence I run

N. 0 deg. 18' E., resurveying the west bdy. of Sec. 31.

Descending from corner thru scattering timber

11.60 Leave scattering timber and enter loose, sandy land, bears E. and W.

20.75 Enter flat bottom of Juniper Canyon, 400 ft. below Tp. corner, course West

22.25 Ascend

26.78 A wire fence bears NW and SE

34.50 Bottom of ravine, course SW

39.28 To the old 1/4 sec. cor., which I now destroy and reestablish at the same point as follows:

Set a basalt stone 16 x 12 x 10 ins. 10 ins. in the ground for 1/4 sec. cor. mkd. 1/4 on E. face and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of corner; pits impracticable.

Thence from the 1/4 sec. cor., I run

N. 0 deg. 4' W., counting the distance from the 1/4 sec. cor.

Over high, rolling table land

39.68 To the old corner of secs. 25, 30, 31 and 36 which I now destroy and reestablish at the same point as follows:

RESURVEY OF SOUTH BDY. OF TP. 6 N., R. 30 E. W. M.

Chains

I begin at the cor. of Tps. 5 & 6 N., Rgs. 30 and 31 E.
 Thence I run
 West, retracing the south bdy. of Tp. 6 N., R. 30 E.,
 searching diligently at each 40 and 80 chs. for the old
 $\frac{1}{4}$ sec. and sec. cors., and failing to find any indica-
 tions of these corners, I continue my retracement West,
 and at 3 Mi. 8.87 chs. intersect the left bank of the
 Columbia River. I therefore return to the corner of
 Tps. 5 & 6 N., Rgs. 30 and 31 E. and resurvey the south
 bdy. of the township, as follows:

West, bet. Secs. 1 and 36

Along north edge of high, rolling table land on south
 brink of Juniper Canyon

40.00 Set a basalt stone 22 x 14 x 10 ins., 15 ins. in the
 ground for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; dig pits 18 x
 18 x 12 ins. E. and W. of corner 3 ft. dist. and raise
 a mound of earth $3\frac{1}{2}$ ft. base, 2 ft. high N. of corner
 All indications of the old corner have disappeared.

80.00 Set a basalt stone 12 x 10 x 8 ins., 8 ins. in the ground
 for corner of Secs. 1, 2, 35 and 36, mkd. with 1 notch
 on E. and 5 notches on W. edges; deposit one gallon of
 charcoal under a stone; dig pits 18 x 18 x 12 ins. in
 each section, $5\frac{1}{2}$ ft. dist., and raise a mound of earth
 4 ft. base, 2 ft. high W. of corner. No evidence of
 the old corner to be found.

Land, rolling and broken.

Soil, deep volcanic ash, 2nd rate.

No timber.

Undergrowth, sage and greasewood with good growth of
 bunchgrass.

West, bet. Secs. 2 and 35.

Along brink of Juniper canyon

40.00 Set a basalt stone 18 x 10 x 10 ins., 12 ins. in the
 ground for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; dig pits
 18 x 18 x 12 ins. E. and W. of stone, 3 ft. dist. and

RESURVEY OF SOUTH BDY. OF TP. 6 N., R. 30 E., W.M. OREGON

Chains

raised a mound of earth 3½ ft. base, 1½ ft. high N. of corner. No evidence of old corner.

43.00 Bottom of ravine, course N.E. and ascend

52.00 Top of ascent; thence over rolling land.

70.00 Descend rocky bluff 20 ft. high bears N. and S.

80.00 Set a basalt stone 12 x 10 x 8 ins., 8 ins. in the ground for corner of Secs. 2, 3, 34 and 35, mkd. with 2 notches on E. and 4 notches on W. edges; dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of corner. All indications of the old corner have disappeared.

Land, Rolling.

Soil, deep, ashy loam, 2nd rate.

No timber.

Undergrowth, sage and greasewood with a good growth of bunchgrass.

West, Bet. Secs. 3 and 34.

Over rolling land

3.60 A road bears NW and SE

6.00 Bottom of ravine, course N.

40.00 Set a basalt stone 14 x 12 x 10 ins. 9 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; deposit 6 large bones under stone; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high N. of corner. No trace of the old corner to be found.

Ascend from the ¼ sec. cor.

42.80 Ascend rimrock 30 ft. high bears N. 20 deg. E. and S. 20 deg. W.

Thence over flat table land

62.34 Descend rimrock 50 ft. high bears N. 60 deg. E. and S. 60 deg. W.

73.00 Wire fence bears N. and S.

73.94 Descend rock bluff 60 ft. high bears NE and SW

80.00 Set a basalt stone 30 x 24 x 18 ins. 22 ins in the ground

RESURVEY OF SOUTH BDY. OF TP. 6 N., R. 30 E., W.M. OREGON

Chains

for corner of Secs. 3, 4, 33 and 34, mkd. with 3 notches on E. and W. edges; dig pits 18 x 18 x 12 ins. in each section, 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high N. of corner (the ground on the W. of corner being too steep to hold a mound). No trace of old corner.

Land, rolling and Mtns. Last 20 chs., very broken

Soil, light, sandy and volcanic ash, 1st to 4th rates.

No timber

Undergrowth, sage and greasewood with a good growth of bunchgrass

West, Bet. Secs. 4 and 33

Descending

1.80 Brink of irregular basalt bluffs facing N.W.

4.30 At this point I make diligent search, but fail to find any trace of the old meander corner of Secs. 4 and 33 set by Deputy Payne in 1861.

6.45 Foot of bluffs in railroad cut 360 ft. below the Sec. Cor. Cut a cross in face of bluff on line.

7.48 Southeasterly rail of the O.W.R. & N. R.R. bears N. 62 deg. 54' E. and S. 62 deg. 54' W.

8.87 Intersect the mean high water line on the left bank of the Columbia River. The point for the meander corner falls on a basalt boulder 48 x 36 x 18 ins. in place, on which I cut a cross at the exact point for the meander corner of fracl. Secs. 4 and 33, mkd. M C on W. face, R 30 E on E. face, T 6 N S 33 on N. face, and T 5 N S 4 on S. face and raise a mound of stone 2 ft. base, 1 1/2 ft. high E. of corner; pits impracticable.

Land, broken and Mtns.

Soil, rocky, 4th rate.

No timber.

No undergrowth.

Note: The construction of the O.W.R. & N.R.R. has decidedly changed the topography of the river bank at this point since the original survey of this boundary was made by Deputy Payne in 1861 which undoubtedly accounts for the difference in the length of the S. Bdy. of Sec. 33

BOUNDARIES OF TOWNSHIP 6 NORTH, RANGE 30 EAST

LATITUDES, DEPARTURES, AND CLOSING ERRORS

Line Designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
East Bdy. of Tp. 6 N., R. 30 E.	N. 0 18' E.	39.28	39.28	21
	N. 0 4' W.	39.68	39.68			.05
	N. 0 52' E.	79.10	79.09		1.20	
Meanders of Columbia River	North	28.00	28.00			
	S. 39 23' W.	36.23		28.00		22.99
	S. 48 30' W.	11.20		7.42		8.39
	S. 34 00' W.	11.90		9.87		6.65
	S. 18 00' W.	7.70		7.32		2.38
	S. 26 30' E.	2.90		2.60	1.29	
	S. 8 00' W.	7.50		7.43		1.04
	S. 47 30' W.	4.70		3.18		3.46
	S. 63 15' W.	27.80		12.51		24.82
	S. 37 00' W.	5.00		3.99		3.01
	S. 80 00' W.	10.00		1.74		9.85
	S. 70 00' W.	4.00		1.37		3.76
	S. 45 00' W.	29.00		20.51		20.51
	S. 55 00' W.	6.80		3.90		5.57
	S. 70 00' W.	15.60		5.34		14.66
	S. 83 30' W.	9.60		1.09		9.54
	S. 65 00' W.	10.20		4.31		9.24
	S. 60 00' W.	19.30		9.65		16.71
	S. 60 00' W.	4.00		2.00		3.46
	S. 5 00' W.	10.00		9.96		.87
	S. 65 45' W.	5.00		2.05		4.56
N. 46 30' W.	13.00	8.95			9.43	
S. 66 00' W.	8.40		3.42		7.67	
S. 50 00' W.	20.00		12.86		15.32	
S. 23 00' W.	9.50		8.74		3.71	
S. 59 00' W.	41.00		21.12		35.14	
S. 63 25' W.	9.92		4.44		8.87	
South Bdy. of T. 6 N., R. 30 E.	East				248.87	
Totals,.....			195.00	194.82	251.57	251.66
			194.82			251.57
Error in lat.....		18	Error in Dep..		.09

GENERAL DESCRIPTION.

This fractional township contains high, rolling table lands in the southern and eastern parts with rock bluffs and steep slopes toward the Columbia River in the northwestern part. A narrow valley or bottom, having a mean width of about 15 chs. extends along the Columbia River except thru the southern part of Secs. 33 and 34 where the bluffs rise abruptly from the river bank some 700 ft. to the table land. The bank of the river is generally abrupt and ranges from 10 to 12 ft. in height. During periods of low water there is a wide gravel bar extending between the bank and the shore line. Some 15 chs. distant from the shore line and south of the main channel of the river there is a chain of low bars and islands, submerged except during low water extending thru

TOWNSHIP 6 NORTH, RANGE 30 E.
GENERAL DESCRIPTION, CONTINUED

the township. The soil of the bottom land is a deep, rich, sandy loam and volcanic ash and with irrigation is capable of producing excellent crops of fruits and cereals. The soil of the table lands and slopes is a mixture of sand and volcanic ash adapted to grazing and dry farming.

Small cottonwood, willow and cherry are to be found along the immediate bank of the Columbia River as are also scattering trees of juniper in the southeastern part of the township.

The Columbia River flows along and forms the northwestern boundary of this fractional township and supplies the water for irrigation purposes. Alkali Spring is located in Juniper canyon, near the center of Sec. 35. There is no other water in the township except during the early spring and summer months.

S. D. Tucker has settled in Sec. 24. His improvements consist of, a house, barn and engine house, 2 acres in young orchard, 10 acres in cultivation and under irrigation by water, pumped by a gasoline engine thru iron pipes tapped by hydrants. Mr. Tucker also has some 75 acres partially cleared and prepared for irrigation.

Ed. Riley has settled in Sec. 34. His improvements consist of, a cabin and about 6 acres in cultivation.

Mr. Johnson has a cabin and some ten acres in cultivation in Sec. 25.

Pearson and Johnson have a stock farm, a house, out-buildings and corrals located in Sec. 35. These stock men also have sheep corrals and small fenced enclosures in nearly every section of the township.

The O.W.R. & N. R.R. extends along the bank of the Columbia River thru the entire township. Telegraph and telephone lines parallel the railroad.

Charles M. Collins
U.S. Transitman

August 19, 1911.

FINAL OATH OF UNITED STATES SURVEYOR.

I, Charles M. Collier in the capacity of U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Oregon bearing date of the 2^d day of August, 1911, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

T6N R30E

of the Willamette Meridian, in the State of Oregon, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and 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 original field notes of such survey.

Charles M. Collier
In the capacity of U. S. Surveyor.

Subscribed by said Charles M. Collier, and sworn to before me }
this 27 day of November, 1911 }

Edward A. Worth
U. S. SURVEYOR GENERAL OF OREGON



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Portland, Oregon, March 27, 1914.

The foregoing field notes of the survey of Resurvey of West Boundary of T. 6 N., R. 31 E., and Resurvey of South Boundary of T. 6 N., R. 30 E.; also Subdivisional Section Lines and Meanders in T. 6 N., R. 30 E., of the Willamette Meridian, Oregon, in Book "E",

executed by Charles M. Collier, in the capacity of U. S. Surveyor under his special instructions dated August 2, 1911, 1911, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward A. Worth
U. S. Surveyor General.

~~I certify that the foregoing transcript of the field notes of the above-described surveys in~~
~~has been correctly copied from the original notes on file in this office.~~