

next lines, I deemed it best to lay it parallel and from the measurements along it to points at right angles from it to the terminal points of the Reserve line determine the position or course of the Reserve line and its length.

* In order that the plan and survey of the Reserve Addition shall correspond to the plan and survey of the Town of Pendleton all regular or full blocks will be made 200 ft. by 350 feet containing 14 full sized lots each lot being 50 feet by 100 feet.

All streets extending North and South are 60 feet wide excepting Main Street which is 80 feet and Lewis Church and Park Sts. which are 50 ft. and Tudor Willow St. which is 30 ft. For Rail-road and Bluff St. see page 5

May 25th

As the night gave promise of being favorable I examined the adjustments of my instrument last evening and set it in due time on the point established at the intersection of the center lines of Webb and College Streets and succeeded in getting a very satisfactory observation of the Eastern elongation of the star Polaris from which I turn off $1^{\circ}53'$ West for the zenith angle to obtain the true Meridian.

From this Meridian I turn Westward $113^{\circ}36'$ on to the point at the intersection of the center lines of Main and Webb Streets. The true course of the Webb Street base line is therefore $S66^{\circ}24'W$. and that of Main Street $S23^{\circ}36'W$.

I next begin at the established point on Main and Webb Streets, measure $S66^{\circ}24'W$ 40 feet and set a point on the side of Main Street, thence I continue to establish points at intervals of 200 feet and 60 feet alternately, at 3018.62 feet cross center line of Railroad bearing $S79^{\circ}53'W$ and at 5990 feet discontinuing turning points, opposite where the Tudor Willow creek surges from the bluffs. I now prolong the line on the same course 4410 feet further, thence turning 90° to $S23^{\circ}36'W$ 341 ft. to the South East corner of the McRay land claim, the Western terminal point of the line passing through the Town of Pendleton, making the whole distance from the point on Main and Webb Streets 10400 feet.

At this corner I found a small mound with stakes which were marks cut with a Surveyors marking iron though the stake was so much decayed as to render the marks illegible. A fence comes to the corner from the West and from the North.

The Government corner to sections 8, 9, 16 and 17 in the McRay creek is washed away but

connecting the South East corner of the McRay claim with the quarter corner between sections 9 and 16 T. 2 N. Range 32 E. the agreement with the location of the said South East corner by the Government notes is so nearly correct that taken in connection with evidence stated above there is no reason to doubt but the corner of the McRay claim is the one recognized by Dept. G. F. Moody in surveying the Reserve line.

I next proceed to establish the Reservation corner in the center of the present channel of the Umatilla River, opposite the mouth of the Wild Horse as per instructions, but knowing the liability of the channel to change at this place, I connected this corner with the corner to sections 1, 2, 11 and 12 T. 2 N. R. 32 E. immediately South of it and found the corner in the river about 200 feet too far North to agree with notes of the survey of the Reservation by U. S. Dept. G. F. Moody. With the notes of the Reservation survey in hand, I began at the above described section corner and ran North on the true line 26.54 chains; thence with variation $20^{\circ}30'$ East South 54° West 4.32 chains, thence South 1.50 chains to the Reservation corner. This corner stands in the midst of a well defined old channel, now filled up with gravel and the old banks well set with timber and brush. Between it and the present channel there is a strip of timber and brush with no gaps in it, except where the Reservation line comes through, this is filled with gravel to the general level of the present bank of the river. Along the South bank of the present channel a net work of roots are exposed to the depth below the top of bank of 4 and 5 feet excepting where this gap in the timber exists, all of these facts indicate that the Wild Horse creek came through the gap in the timber not many years ago. In the midst of the present channel and North from the located Reservation corner stumps of trees are still standing indicating its late formation.

In my letter to you June 5th, I presented the facts as stated above and asked you for a change of instructions, which in your letter of June 11th you gave me, instructing me to locate the corner of the Reserve from the section corner by retracing the lines from the notes of the survey of the Reservation, which I had already done.

Beginning at the established point in Main and Webb Streets, I measure $S66^{\circ}24'E$ 40 ft. and establish a point, thence I establish points at intervals of 200 ft. and 60 ft. alternately in order to space off the size of the blocks and streets at 200 ft. intervals.