

Application being made for the boundaries and SW-NW-NE Cor of NW 4xSW 4 Sec 1 T14 R 31

I made an extensive survey of 8 days result of said survey I find that all the Corners of Sec except the SE 1/4 E 1/4 Corner. Also every one of the Corners on Third Standard Parallel both S or missing ^{or doubtful} be between the NW Cor Sec 714 R 30 E and SE Cor Sec 35 T13 R 32 distances of 10 1/2 Mi. As the Rule for proportional measurement would be very uncertain as to locating the Old position on and the different measurements by different Chainmen. It could only be adopted as last resort. I find evidence or marks topography or testimony, near, I find an old fence running north-south as you can see it would be and another running West-Southwest and find Mr. Gundlach who built the fence years ago in position and he informed me that the Section Corner for SW Cor Sec 35 T13 R 31 E was right in the Corner. I therefore take it for granted that this old fence Corner shows the true original position and it is pretty well known (See Diagram and Data)

Next I investigated the NW Cor Sec 1. I find the US field Notes state that it was West of 1/4 5.50 ch to S 1/4 cor Sec 35 T13 R 31 and record of Leland's corner gives 44.18 ch as the distance from SE Corner hence 4.88 + 5.50 ch would be its distance west of middle of Washington Street or 9.68 chains = 638.

I am told there was a big fire in Canyon after the Cor survey and that after the fire the West side of the East Side remained unchanged. I also find that when in the past a survey was made in Dredger Co that these Corners were then in position and the Surveyor who done the work Run a 2 NW Cor Sec 1 and they placed a Black painted mark on Hicks Stable where it hit the Stable. Hicks and Hogleture, I therefore ran a line due East by offset until it intersected the East side of Washington & West from the Sidewalk 20 ft (the Old width of the Street being 40) and then from this point I measure West the NW Cor Sec 1. The same being an Iron pipe 2 1/2" dia set 2 1/2' deep with bottom split and spread and I then corroborate its position by a Line from the Old Fence corner heretofore mentioned at SW Cor Sec 35 on Course on the Standard Parallel Way East and find this line falls South of NW Cor as established on Sec 35 to pivot NW Cor Sec 1 is 35.21 chains and as given by Government notes 35.82 ch discrepancy of 61 links, which by any reducing all measurements to a level there are some very steep long grades on this line

We then come to the establishment of the Corners on the West Line of Sec 1 T14 R 31. The SW Cor is missing. The W 1/4 cor Sec 12 T14 R 31 E is in good condition. North Walnut tree standing and the scribbles discernable by a Range Straight Line from this Corner to the NW Cor Sec 1 which I had established

Find its Course is N 0° 3' E and distance is 104.61 chains carefully brought to a level grade. The Cor notes give this discrepancy has given rise to a great deal of confusion in the past and the division of it is a problem. If we take the Iron clad rule of proportion to the Government Notes the results will be entirely at variance with topography as given in field notes and greatly out of line with all the other Section Corners in the vicinity. Measuring from North from the W 1/4 cor Sec 12 T14 R 31 E divided proportionally the distances would be

N 0° 3' E 43.18 chains for the SW Cor Sec 1. This would throw us onto the West Side of Canyon Creek and also out of line with its corresponding corner on the China Sec.

N 0° 3' E from W 1/4 cor Sec 12 64.73 chains for the NW Cor of SW 4xSW 4 Sec 1 would throw us onto the North Side of Canyon Creek ^{or West} whereas the field notes show this measure came out on south bank Canyon creek it would place us 119.6 ft N of the E 1/4 cor Sec 1. Hence it can be seen that the hard and fast rule of proportional division would not be upheld, except as a last resort and the statement in the Official instructions that much more of the Surveyor would apply be made to apply in this case.

Let us flag the Line from the West 1/4 cor Sec 12 to the NW Cor Sec 1. Then proceed to SW Cor Sec 1 which is well attested by Walnut trees as per Notes. And run a flagged line and we find we are about in the middle of Canyon Creek. Now if we go South 42 ft it is evident the distances given in the field notes are out to be much relied on but their Notes and Map of Canyon Creek this much is certain. I therefore place this corner on the East bank of Canyon Creek. notwithstanding the Notes say it was 2 chains South as this would arch the SE Cor and would make the distance to the W 1/4 cor Sec 12, 2 chains short. Evidently the Gallegos called up their Notes keep reiterating what a hard and fearfully rough Country they were passing or projecting the line at all. I do not see as there is any other place for this Corner