

6.

Resurvey of N. Bdy. of Fractional T. 36 N., R. 66 E.

Chains.

May 1, 1914: At 8h.10m., a.m., l.m.t., I set off $41^{\circ}03'N.$ on the lat. arc; $14^{\circ}58'N.$ on the decl. arc; and determine a meridian with the solar, at the old cor. of secs. 4, 5, 32, and 33, which is a cedar stake, 2x2 ins. x 2 ft. long, standing in a mound of stone, and mkd. as described by the surveyor general.

Thence I run

S. $89^{\circ}52'W.$ on a retracement bet. secs. 5 and 32.

I make diligent search for old $\frac{1}{4}$ sec. and sec. cors., at intervals of 40.00 chs., but find none until at

159.22 The old cor. of Ts. 36 and 37 N., Rs. 65 and 66 E., bears N. 37 lks. dist. This corresponds to a correction of 18.5 lks. N. per mile, or 8' N. per mile. Therefore, the bearing of the line bet. the old cor. of secs. 4, 5, 32, and 33, and the above Tp. cor. is West.

From original records, and the above measurement, we have the following proportion:

79.06:79.14::159.06:159.22

also, 40.00:40.04::159.06:159.22

For description of old Tp. cor., see beginning of retracement of E. bdy. of T. 37 N., R. 65 E.

May 1, 1914.

May 18, 1914: at 7h.00m., a.m., l.m.t., I set off $41^{\circ}03'N.$ on lat. arc; $19^{\circ}28'N.$ on the decl. arc; and determine a meridian with the solar, at the reestablished cor. of Ts. 36 and 37 N., Rs. 65 and 66 E., heretofore described.

Thence I run

East on a resurvey, bet. secs. 6 and 31.

Over heavily rolling foot hills, through scattering timber.

0.70 Dry wash, same elevation as cor., course N. $45^{\circ}E.$

5.20 Top of ridge, 40 ft. above wash, bears N. $30^{\circ}E.$ and S. $30^{\circ}W.$

36.70 Dry wash, 6 lks. wide, 8 ins. deep, 225 ft. below ridge, course N. $45^{\circ}E.$

Ascend 30 ft. to $\frac{1}{4}$ sec. cor.