

the adjustments of which were made by comparing their readings with those of the transit. Throughout the survey of this township the adjustments of the transit were frequently examined and the solar apparatus tested at least once a week by comparing the results of a.m. and p.m. observations with the meridian established by observations on Polaris.

May 31, 1922.

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Retracement of the 7th Standard Parallel North through R. 19 E.  
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Chains

The old standard cor. of Tps. 36 N., Rs. 19 and 20 E., is described by the surveyor general as a charred post, 4 ins., sq.,  $4\frac{1}{2}$  ft. long, set 12 ins. in the ground, mkd. T. Rs. secs., 6 notches N.E. and W. edges, witnessed by pits and mound of earth. The old cor. has apparently been destroyed and in its place I find a basalt stone, 7x12x12 ins., firmly set in the ground, and in a mound of earth, with traces of pits N.E. and W., mkd. with 6 grooves on the N.E. and W. edges and S C on N. face.

From this cor. I retrace west on the 7th standard Parallel North, making diligent search at intervals of 40.00 and 80.00 chs. for the old standard  $\frac{1}{4}$  sec. and sec. cors. but finding none, and at

465.80 Intersect N. and S. line, 20.46 chs. N. of the old cor., which is a basalt stone, 12x14x16 ins., firmly set in a mound of stone, mkd. with 6 grooves on NE., SE., SW. and NW. edges. This old cor. by subsequent retracements does not prove to be a cor. of the original 7th Stand. Par. N., and as hereinafter recorded is accepted as a cor. established at the time of the survey of T. 35 N., R. 18 E., therefore this cor. is not taken into consideration in the re-establishment of the standard cor. of Tps. 36 N., Rs. 18 and 19 E., I continue my retracement west along same line.

480.00 Set temp. point for stand. cor. of Tps. 36 N., Rs. 18 and