

Retracement of the S. bdy. of T.23 N., R.24 E.

Chains.

5.00 chs. N. of my station., this mark falls less than a minute from the meridian established by the Polaris observation. I conclude that the adjustments of the instrument are satisfactory.

Measurements are made with a Lallie 5.00 ch. steel tape, and slope angles taken with a Leitz clinometer, furnished by G.D.D.Kirkpatrick, Assistant Supervisor of Surveys, for Utah and Nevada.

~~Sept. 10 to Sept. 17, 1914; l.m.t., I set off~~
The completion of the survey of this township had been assigned to R.H.Fletcher, U.S.Surveyor, and J.N.Ernst, U.S.Transitman, who subsequently reported having made such survey. The Surveyor General having made an office examination of the returns of that survey and having found therein errors and inconsistencies requiring correction in the field, I was directed to make such correction and, while in the field, to examine the surveys as a whole to ascertain whether they had been properly executed, and, if necessary, to make a new survey.

Sept. 10 to Sept. 17, 1914, I make such examination and find grave errors in measurement and alignment, and corners poorly set. As provided by the instructions I therefore make a new survey of the south bdy., and of all subdivisional lines. I proceed as follows:

Sept. 10: At 9h.00m.a.m., l.m.t., I set off $39^{\circ}49'N.$ on the lat. arc; $5^{\circ}08'N.$ on the decl. arc; and determine a meridian with the solar at the S.E. cor. of T.23 N., R.24 E., which is a lava rock 12 x 12 x 12 ins. above the ground marked and witnessed as described by the surveyor general.

Thence I retrace

West, on a blank line setting temp. corners at intervals of 40.00 chs.

240.00 Set a temp. cor. for secs. 3, 4, 33, and 34.

Sept. 10, 1914.
