

T. 29 N., R. 54 E.

14°21'S. on the decl. arcs at 8h 30m a.m., app.t., and 40°22'N. on the lat. arcs and determine meridians with the solars. I find they agree with the true meridian. At app. noon, with the lat. arcs unchanged, I observe the sun on the meridian. The resulting reading of the decl. arcs is 14°25'S. which agrees with the computed declination of the sun.

At 4h 0m p.m., app.t., with the lat. arcs unchanged, I set off 14°27'S. on the decl. arcs and determine meridians with the solars which agree with the true meridian.

Both transits were approved for use on this survey, conditionally upon satisfactory field tests, by the Assistant Supervisor of Surveys for District No. 6, in Assignment Instructions dated September 15, 1921.

#### Measurements.

All measurements are made with a Lallie steel ribbon tape, 5 chains in length compared with a Lufkin standard steel tape 1 chain in length and found correct. The measurements are made on the slope, the vertical angle determined by use of K. & E. clinometers, and the slope measurements properly reduced to the true horizontal distances.

#### RETRACEMENT AND DEPENDENT

RESURVEY OF THE EAST BDY. OF T. 29 N., R. 54 E.

From the cor. of Tps. 29 and 30 N., Rs. 54 and 55 E., which is a redwood stake, 4 ins. square, extending 30 ins. above the ground, firmly set in a mound of earth and stone, mkd. as described by the surveyor general and witnessed by a mound of earth and stone 4 ft. SW. Alongside this cor., Set an iron post, 3 ft. long, 3 ins. diam., 28 ins. in the ground, with brass cap mkd:

T30N	
R54E	R55E
S 36	S 31
S 1	S 6

T29N

1921