T. 23 N., R. 34 E.

After sunrise, I lay off the azimuth of Polaris 1° 23' to the west of the mean point in the line determined by the observation.

At this same station, I make a meridian observation of the sun for latitude and time, first setting on the lower limb and noting the transit of the west limb, then, after reversal of the instrument, setting on the upper limb and noting the transit of the east limb, as follows:

Mean observed altitude	73° 09' 15"
Reduced latitude	39° 53' 58" N
Mean watch time of observation	11h 58m 11s
Watch slow of local mean time	1m 02s

Every 30 min. from 6 to 10:30 a.m. and from 1:30 to 6 p.m., I make proper settings on the arcs of the solar attachments, and ascertain that the resulting orientations of the instruments, when compared with the meridians established by Polaris observations, have a maximum error of 1' 30".

I repeat the tests of the arcs daily by noon observation, and verify the meridional indications at frequent intervals throughout the survey.

The observed magnetic declination is 17° 40' E.

Chains

DEPENDENT RESURVEY EAST BOUNDARY OF T. 23 N., R. 34 E.

REESTABLISHMENT OF SURVEYS EXECUTED BY STEWART AND CONKLING, U.S.DEPUTY SURVEYORS, UNDER CONTRACTS NOS. 132 AND 146, IN 1881 and 1882

From the cor. of secs. 7, 12, 13, and 18, Tps. 22 N., Rs. 34 and 35 E., hereinafter described.

North on retracement along west boundaries of Tps. 22, 23, and 24 N., R. 35 E., setting temp. ¼ sec. and sec. cors. at regular intervals of 40.00 chs. and 80.00 chs.; without finding any traces of original cors., and at

1118.92 Fall 7.86 chs. W. of the cor. of Tps. 24 and 25 N., Rs. 34 and 35 E., hereinafter described.

From the cor. of secs. 4, 5, 32, and 33, Tps. 22 and 23 N., R. 35 E., hereinafter described.

S. 89° 59' W., on retracement along S. boundary of T. 23 N., R. 35 E., making diligent search for original ¼ sec. and sec. cors. without finding any trace of same, and at

163.49 Fall 1.62 chs. N. of the temp. cor. of Tps. 22 and 23 N., Rs. 34 and 35 E.

From the ¼ sec. cor. bet. secs. 1 and 36, Tps. 23 and 24 N., R. 35 E., hereinafter described.

N. 89° 56' W., on retracement along N. boundary of T. 23 N., R. 35 E., making diligent search for original ¼ sec. and sec. cors., without finding any traces of same, and at