

Chains

Mean observed altitude-----70°13'30"

Reduced latitude-----39°55'19"

Mean watch time of observation-----11h33m49s

Watch slow of l.m.t.-----22m36s ✓

At apparent noon with the instrument in the meridian, the latitude arc unchanged, I observe the sun; the resulting reading of the sun on the declination arc is 20°10' N., which agrees with the computed declination of the sun.

At 4:00 p.m. apparent time, with the instrument in the meridian, the latitude arc unchanged, I set off 20°12' N. on the declination arc and determine a meridian with the solar attachment, which I find agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1' of the true meridian, I conclude that the instrument is in satisfactory adjustment.

For the final test of instrument at the completion of this survey, see the final returns of T. 20 N., R. 66 E., Nevada, under test of instruments.

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape, five (5) chains in length, compared with a Lufkin standard steel tape, one (1) chain in length, and found to be correct. The measurements are made on the slope, the vertical angles determined, and the slope distance properly reduced to the true horizontal distances.

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RETRACEMENT OF A PORTION OF THE NORTH BOUNDARY OF  
T. 24 N., R. 67 E.

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From the cor. of secs. 2, 3, 34 and 35, on the north boundary of the township, hereinafter described.

West retracing bet. secs. 3 and 34.

39.86

Intersect  $\frac{1}{4}$  sec. cor. of secs. 3 and 34; hereinafter