

of the sun's upper limb, and the transit of the sun's east limb.

Mean observed altitude-----29°16'
 Reduced latitude-----39°39' ✓
 Mean watch time of observation-----11h24m18s A.M.
 Watch slow of l.m.t.-----23m12s ✓

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 $21^{\circ}04\frac{1}{2}'$ S., which agrees with the computed declination of the sun.

At 3:00 p.m. apparent time, with the instrument in the meridian, the latitude arc unchanged, I set off $21^{\circ}05'$ S. 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 the instrument is in satisfactory adjustment.

Frequent tests were made in the true meridian, during the progress of this survey and the instrument kept in satisfactory adjustment.

At the completion of this survey I again check the Lallie 8 ch. steel tape with a Lufkin standard steel tape, 1 ch. in length and find it correct.

SOUTH BOUNDARY OF T. 20 N., R. 69 E.

From the cor. of Ts. 19 and 20 N., Rs. 68 and 69 E., which is an iron post, 3 ins. in diam., 8 ins. above the ground, properly marked and witnessed as described in the official record of the west boundary of T. 19 N., R. 69 E.,

East, along the south boundary of the township, between secs. 6 and 31, on a true line.

Over rolling hilly land, thru scattered timber and medium undergrowth. Asc. 75 ft. along a broken S. slope.