

chains.

Survey commenced Sept. 9, 1911 and executed with a W. & L. E. Surly light mountain transit with solar attachment, the horizontal limb having two double verniers placed opposite to each other and reading to single minutes of arc.

The instrument was examined, tested on the true meridian at Reno, Nevada, and found correct March 28, 1911.

I begin at the cor. of Tps. 23 and 24 N, R 25 E, ^{latitude 39° 53' N, longitude 115° 6' W,} re-established by me Sept. 8, 1911.

At 8 a.m., local mean time, I set off ^{to lat} 50° 7' N. on the lat. arc and 5° 36' 40" N. on the decl. arc and determine a true meridian with the solar. The magnetic bearing of said true meridian is N 18° 5' W which gives the magnetic declination 18° 5' E.

Thence I run.

N. by lat. sec. 31 and 36

Descending over rolling ground.

- 15.00 Small ravine, course N.W.
- 22.60 Ridge bears N.W. and S.E.
- 34.90 Large ravine, course N.E.
- 40.00 ✓ Set an iron post 3 ft. long, 1 in. diam. 24 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap ink'd.

$$\begin{array}{r} 536\frac{1}{4} \\ 1911 \end{array} \left| \begin{array}{l} 531 \\ \checkmark \end{array} \right.$$

and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Begin ascent of rough mountains.

- 65.50 Mountain spur, slopes E.
- 68.75 Ravine, course E.
- 75.50 Mountain spur, slopes E.