

## Chains.

Survey commenced August 3, 1910 and executed with a W. & L.E. Gurley light mountain transit, the horizontal limb being provided with two opposite verniers reading to single minutes of arc.

I begin at the corner of Tps. 3<sup>3</sup> and 3<sup>4</sup> N, Rs. 22 and 23 E. This corner is a basalt stone 15-8 ins. by 14 ins. above ground. Firmly set in the ground and marked and witnessed as described by the Surveyor General.

Latitude  $40^{\circ}45'N$ , longitude  $119^{\circ}26'W$ .

At this corner at 10 h. 45 m., p.m., l.m.t., I observe Polaris at eastern elongation in accordance with instructions in the manual, and mark the point in the line thus determined by a tack driven in a wooden peg set in the ground 5.00 chs. N. of my station.

August 3, 1910.

August 4, 1910.

At 7 h., a.m., I lay off the azimuth of Polaris  $1^{\circ}33'.4$  to the W., and mark the Meridian thus determined by a cross on a stone firmly set in the ground, west of the point established last night.

The magnetic bearing of the true meridian is  $N 18^{\circ}50'W$ , which gives the magnetic declination  $18^{\circ}50'E$ .

From the cor. of Tps. 33 and 34 N, Rs. 22 and 23 E, I run;

W. bet. secs. 1 and 36.

Descending steep, rugged mountains.

14.30 Ravine, course S.W.

19.00 Ridge, bears S.W. and N.E.

20.50 Small ravine, course S.W.

25.00 Mountain spur, slopes S.W. Descend abruptly.

40.00 Set a granite stone 18-12-5 ins., 12 ins. in the ground for 1-4 sec. cor., marked 1-4 on the N. face and raise a mound of stone 2 ft. base, 1 1-2 ft. high N. of cor. Pits impracticable.

46.75 Ravine, course S.W. Thence along S.W. slope of mountain.

72.50 Mountain spur, slopes S.W. Begin descending.