Survey of S. bdy. T 44N R 38 E

Chains.

ground 5 chs. N. of my station.
Oct. 12, 1912.

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Oct. 13, 1912
At 8 h., a.m., l.m.t., I lay off the azimuth of Polaris 1°32' to the west and mark the meridian thus determined by cutting a small groove in the stone set Oct. 12, on which the meridian falls 0.1 ins. W. of the mark determined by the solar.
At 8h. 10m., a.m., l.m.t., I set off 41°37' N on the lat. arc. 7°45'30" S. on the decl. arc. and mark a point in the meridian with the solar, by a cross on the stone already set 5 chs. N. of my station, this mark falls 0.3 ins W. of the meridian established by the Polaris observation
The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about 0.05" east and 0.16" west of the meridian established by the Polaris observation: therefore I conclude that the adjustments of the instrument are satisfactory.
The magnetic bearing of the true meridian, at 8h. 20m., a.m., is N 19° W the angle thus determined gives the mag. decl. 19° E.

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From the cor. of Tps. 43 and 44N, Rs. 38 and 39 E.
I lay off from the meridian, an angle of 90° from N. to W. and run
W. on the tangent, S. of sec. 36
Ascending N.E. slope of mountain spur.
27.00 Rocky mountain spur, slopes N.W.
40.00 On N.W. slope of mountain spur.
N ¼ ch. from the tg.
Set a sloty schist stone 15 + 9 + 7 ins