

EAST BOUNDARY T. 3 SOUTH, RANGE 50 EAST.

Chains. of the meridian established by the Polaris observation; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 9 a.m. is N. $16^{\circ} 39' W.$; the angle thus determined gives the mag. decl. $16^{\circ} 39' E.$

Thence I run

North bet. secs. 31, and 36,

Ascending abruptly over rocky and mountainous land.

4.50 Rocky ridge, bears E. and W.
Descend abruptly.

13.00 Hollow, 100 ft. deep, drains E.
Ascend abruptly.

31.00 Rocky ridge, bears NW. and SE.
Descend along broken rocky E. slope.

40.00 Set a basalt stone 12x12x6 ins., 8 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.

41.00 Hollow, 100 ft. deep, drains E.
Ascend abruptly.

42.50 Spur, projects E. Descend.

46.00 Hollow, 100 ft. deep, drains E. Ascend.

50.50 Spur, projects E.
Descend abruptly.

77.00 Hollow, 200 ft. deep, drains E.
Ascend abruptly.

80.00 Set a basalt stone 20x6x5 ins., 15 ins. in the ground, for cor. of secs. 25-30-31, and 36, marked with 1 notch on S. and 5 notches on N. edge; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Land, mountainous.

Soil, rocky; 3d rate.