

Resurvey of the E. bdy. T. 39 N. R. 26 E.

Survey commenced October 7, 1910, and executed with a C. L. Berger and Sons Mountain Transit No. 4, the horizontal limb being provided with two opposite verniers reading to one minute of arc.

I begin at the cor. of Tps. 38 and 39 N., Rs. 26 and 27 E. Mt. Diablo Base and Meridian, I could find no trace of the original corner, which had undoubtedly been destroyed; but the old mound, with traces of the original pits, remained in such state of preservation as to preclude any doubts as to its being the position of the original corner. At this point I set an iron post, 3 ft. long, 3 ins. dia. 24 ins. in the ground for cor. of Tps. 38 and 39 N., Rs. 26 and 27 E. with brass cap mkd:

T. 39 N.	
R. 26 E.	R. 27 E.
S. 36	S. 31
S. 1	S. 6
R. 26 E.	R. 27 E.
T. 38 N.	
1910.	

dig pits, 24 x 24 x 12 ins. on each line, N. E. and W. 4 ft., and S. of stone, 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2 1/2 ft. high, S. of cor. At this cor. in latitude 41° 12' N. and longitude 119° W. at 6:30 p. m. l. m. t. I observe Polaris at E. elong. in accordance with instructions in the Manual, and mark the line thus determined, by a tack driven in a wooden peg set in the ground 5 chs.. N. of my station.

October 7, 1910.

October 8. At 9 a. m. I lay off the azimuth of Polaris 1° 34' to the west, and mark the true meridian thus determined, by a tack driven in a wooden peg set in the ground, west of the point established last night; the magnetic declination of said true meridian set off on the variation plate of my transit is 17° 45' E. At this cor. I turn off from the meridian an angle of