

Resurvey of the

241

3rd Standard Parallel ^{North} through R. 43 E.

Chavis.

Survey Commenced June 23, 1905 and executed with a Leitz transit No 1882, the horizontal limb being provided with two double verniers, placed opposite to each other and reading to 1" of an arc.

The instrument was tested and examined on the true meridian at San Francisco and found Correct per Certificate dated August 19, 1904.

At the Standard Cor. of T. 16 N. R. 43rd & 44 E. in Lat. $39^{\circ}11'12''$ N. Long $117^{\circ}04'$ W. which is a post badly decomposed markings obliterated lying in center of old stone mound, I rebuild said Cor. at the same point as follows. Set limestone $16 \times 8 \times 6$ ins. 11 ins. in the ground, marked

SC 16 N. on N.

44 E on E and

43 E on N. face, with 6 grooves on N, E, and W. faces. raise mound of stone 4 ft. base 2 ft. high N. of Cor.

On June 24th At 1^h 22^m A.M. I observe Polaris at its Eastern elongation in accordance with instructions in the manual and mark the line thus determined by a tack driven in wooden peg set in the ground 4 els. N. of my station.

On June 24. At 8^h A.M. I turn off the azimuth of Polaris $1032.7'$ to the W. and mark the meridian thus determined by cutting a mark