

Feet. Mineral Survey No. 4721 was made with a C. L. Berger and Son's Mining Transit No. 7623, with horizontal limb 6 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., having two double verniers, the verniers read to one minute of arc. The instrument was in good condition at the time of the survey and all adjustments were in good order. All courses in this record are referred to the true meridian as determined by direct solar observations.

The lines were measured with a Lufkin steel tape 500 feet in length, graduated every foot, and the end feet are graduated in tenths.

All lines and connections of this survey were run by direct methods.

The magnetic variation observed at each corner of the survey gave a uniform value of $17^{\circ} 30' E.$

CHURCHILL LODE.

Beginning at Cor. No. 1, identical with a corner of the amended location, an iron post 3 ft. long, 2 ins. in diam. set 2 ft. in the ground for Cor. No. 1, with a galv. iron cap marked C-1-4721 from which Cor. Secs. 7, 8, 17 and 18, T. 16 N., R. 63 E., Mt. Diablo B. and M., bears $S. 87^{\circ} 15' E., 512.0$ ft. dist.; a limestone 6×12 ins., 20 ins. long set in a mound of stone, chiseled four grooves on the south and five grooves on the east side and a cross on the top.

Thence $S. 84^{\circ} W.$

- 31.72 Intersect line 5-6, Sur. No. 2021, Swifter Jr. lode and line 4-1, Sur. No. 3126, Florence lode at a point from which Cor. No. 5, Swifter Jr. lode and Cor. No. 1, Florence lode bears $S. 59^{\circ} 46' W., 497.72$ ft. dist.
- 293.10 Intersect line between Secs. 7 and 18 at a point from which Cor. Secs. 7, 8, 17 and 18 bears $N. 89^{\circ} 34' E., 802.93$ ft. dist.
- 695.30 Cor. No. 2.