

Retracement Sec. 27, T.19 N, R.21 E. Mount Diablo Base and Meridian

Chains Survey commenced March 7, 1917 and executed with a Buff and Buff mining transit No. 3850; the horizontal limb having two double verniers placed opposite to each other and reading to 1 minute of arc, the vertical circle also reads to single minutes. The instrument was in adjustment on above date. The measurements were made with 50 ft. and 300 ft. steel tapes.

I begin at the $\frac{1}{4}$ Section corner common to Sections 22 and 27, T.19 N, R.21 E. M.D.M. which is a stone marked and witnessed - as described by the surveyor general.

The sky was overcast during the entire day

I run east on a blank line on an assumed variation of $19^{\circ} 20' E$, using foresights and backsights and at 39.93 chs. the closing corner to Sections 22 and 27, which is a stone marked and witnessed as described by the surveyor general, bears S 0.185 chs.

I continue my line west from the North $\frac{1}{4}$ corner of Section 27 and at 39.99 chs. the corner of Sections 21, 22, 27 and 28, which is a stone marked and witnessed as described by the surveyor general, bears North 0.175 chs.

March 8 at 3-30 p.m. l.m.t. I determine a meridian by direct solar observation on my blank lines, 17.5 lks. south of the corner to Sections 21, 22, 27 and 28 and find the bearing to be S $89^{\circ} 45' W$.

The true course of the north boundary of Section 27 beginning at the northwest corner is East

39.99 The $\frac{1}{4}$ corner common to Sections 22 and 27 Thence S $89^{\circ} 59' E$

39.93 The closing corner of Sections 22 and 27 From the cor. of Section 21, 22, 27 and 28 I run South and at 39.88 chs. the $\frac{1}{4}$ section corner common to sections 27 and 28 which is a stone marked and witnessed as described by the surveyor general, bears east 0.058 chs.

I continue my line and at 79.47 chs. the corner of sections 27, 28, 33, and 34 which is a stone marked and witnessed as described by the surveyor general bears east 0.012 chs.

The true course of the West boundary of Section 27 beginning at the corner of Sections 27, 28, 33 and 34 is N $0^{\circ} 4' E$

39.59 The $\frac{1}{4}$ corner common to section 27 and 28 Thence N $0^{\circ} 5' W$

39.88 The corner of sections 21, 22, 27 and 28. From the corner of sections 27, 28, 33 and 34 I run S $89^{\circ} 55' E$ and at 40.03 intersect the $\frac{1}{4}$ corner common to sections 27 and 34 which is a stone marked and witnessed as described by the surveyor general.

I continue my line and at 79.99 chs. The corner of Sections 26, 27, 34 and 35 which is a stone marked and witnessed as described by the surveyor general, bears north 0.058 chs.

The true course of the south boundary of Section 27 beginning at the corner of sections 26, 27, 34 and 35 is West

39.96 The $\frac{1}{4}$ corner common to secs. 27 and 34 Thence N $89^{\circ} 55' W$

40.03 The corner of secs. 27, 28, 33 and 34 From the corner of sections 26, 27, 34 and 35 which is a stone marked and witnessed as described by the surveyor general I run N $0^{\circ} 2' W$ and at 39.72 chs. the $\frac{1}{4}$ section corner common to secs. 26 and 27, which is a stone marked and witnessed as described by the surveyor general, bears east 0.07 chs.

I continue my line N $0^{\circ} 2' W$ and at 79.52 chs. the closing corner of secs. 22 and 27 bears West 0.058 chs. The true course of the east boundary of Section 27 from the corner of sections 26, 27, 33 and 34 is N $0^{\circ} 4' E$