

INSTRUMENT.

This survey was made with a C. L. Berger light mining transit No. 4270. The courses were deflected from the true meridian as determined by observation on Polaris at eastern elongation. The distances were measured with 100-ft. and 500-ft. steel tapes.

REPORT.

The lode line of this claim was run directly upon the ground and the several corners established by means of offsets from the lode line. All tie lines were run directly upon the ground.

The S. W. Cor. Sec. 35, T. 28 S., R. 63 E., M.D.M., is a porphyry rock 10x12x16 ins., set in a mound of rock, chiseled two notches E. and four notches W. This is the nearest standing corner of the public survey that can be found and identified.

Sur. No. 2656, Surprise Gold Mine and Gavelan Gold Mine lodes;--
Cor. No. 3, Gavelan Gold Mine lode, formerly a pine post properly set and scribed with the number of the corner and survey, has disappeared, but its locus can be established from the mound in which it stood and from a 60d spike buried in said mound. Cor. No. 2 of said lode cannot be identified. There are two pine posts which bear from Cor. No. 3 S.3°19'E. 560.23 ft. and S.3°40'E. 557.87 ft., respectively, but neither is scribed or otherwise marked to make its identification possible. I find lines 1-2 and 2-3, Surprise Gold Mine lode, to be, respectively, N.85°43'E. and N.0°08'W., instead of N.85°53'E. and N.0°02'E., respectively, as approved. For further statement and explanation, see next paragraph.

Sur. No. 3413, East End lode;--

All corners are pine posts, properly set and scribed with the number of the corner and survey. I find the lengths of all lines, except the tie to the section corner, to be correct as approved, but I find all courses to be in error by 10 minutes, all northeast and southwest courses being actually 10 minutes less than those approved, and all northwest and southeast courses being actually ten minutes more than those approved. I find, therefore, lines 6-7 and 7-1 to be, respectively, S.85°27'W. and N.75°08'W., instead of S.85°37'W. and N.74°58'W., respectively, as approved. I also find the tie from Cor. No. 1 to the S. W. Cor. Sec. 35 to be S.26°29'30"W. 2269.33 ft., instead of S.26°39'30"W. 2270.67 ft., as approved.

Sur. No. 3413 was executed by me, and these errors are, therefore, in my own work. My office is situated but a few hundred