

Test of Instruments.

Frequent tests of the solar apparatus were made throughout the survey of the township by altitude observations of the sun for azimuth and by frequent tests on Polaris meridians established at camp.

Measurements on the surveys in this township were made with a Lallie 5.00 ch. steel tape which was compared with a standard 1.00 ch. tape.

Slope angles were determined by the use of clinometers, the adjustments of which, were made by comparing their readings with those of the transit.

Survey of the Fifth Standard Parallel North through R.46 E.

- Chains. From the closing cor. of Ts. 25 N., Rs. 46 and 47 E., which is an iron post, 3 ins. in diam., firmly set and properly marked and witnessed, as described in the field notes of T. 25 N., R. 47 E., West, on a true line, on the S.Bdy. of sec. 36.
- Desc. NW. slope 90 ft. over rough mountainous land, through a medium growth of pinon pine and juniper.
- 5.17 A westing of 40.00 chs. from the Std. cor. of T. 26 N., Rs. 46 and 47 E.,
- Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground, to bed rock, and 30 ins. in a mound of stone, for the Std. $\frac{1}{4}$ sec. cor., with brass cap mkd.
- $$\begin{array}{r} \text{SC} \\ \frac{1}{4} \text{ S } 36 \\ \hline 1925 \end{array} \quad \checkmark$$
- from which
- ✓ A pinon pine, 10 ins. in diam., bears N. $42\frac{1}{2}^{\circ}$ E., 239 lks. dist., marked SC $\frac{1}{4}$ S 36 BT
- ✓ A juniper, 9 ins. in diam., bears N. 73° W., 358 lks. dist., marked SC $\frac{1}{4}$ S 36 BT
- 6.10 Dry wash, 20 ft. below $\frac{1}{4}$ sec. cor., course SW.
- Desc. 40 ft. to
- 8.30 Wash, intermittent stream of water, course NW.
- Asc. NE. slope 280 ft.