

## Test of Instrument.

examined and the solar apparatus tested at least once a week, by comparing the results of a. m. and p.m. observations with the meridian established by observations on Polaris.

Measurements of this survey were made with a Lallie 5.00 chs. steel tape which was frequently compared with a U. S. standard 1.00 ch. steel tape.

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

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Metes and Bounds Survey in T. 40 N., R. 22 $\frac{1}{2}$  E.

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Survey of Tract No. 37, State Selection.

Lot 4 and SW $\frac{1}{4}$ NW $\frac{1}{4}$  of sec. 5; 82.87 Acres. T.40 N., R.23 E.,

Preliminary to the segregation of this tract, I made a subdivision survey of original sec. 5, in order to properly determine the position of this valid claim.

Beginning at the W. 1/16 cor. on latitudinal center line, of sec. 5, which is identical with cor. No. 4, of tract No. 37, I proceed as follows: At this point, Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for angle point No. 4 Tract No. 37, with brass cap mkd.

TR37	T40N
AP4	R22 $\frac{1}{2}$ E
	S1
	1919

Thence

N. 0° 25' W.

41.36 Intersect the Eighth Standard Parallel North, at a point 1.14 chs. S. 86° 38' W. of the closing cor. of Tps. 40 N., Rs. 22 $\frac{1}{2}$  and 23 E., At the point of intersection, Set an iron post, 3 ft. long, 1 in. diam., 24 ins. firmly in sliderock, for cor. No. 1 of Tract No. 37, with brass cap mkd.

	T41N	R23E
	S32	
AP1	T40N	
TR37	R22 $\frac{1}{2}$ E	
	S1	
	1919	

Thence