

T. 17 N., R. 20 E.

The instrument was in good condition and was placed in satisfactory adjustment prior to the beginning of the survey.

The survey was continued on June 18, 1947 by Quintin Campbell, Cadastral Engineer and executed with the same instrument described above.

The directions of all lines were determined from the published azimuths of U. S. Coast and Geodetic Survey; Station "BROWN" in the SW $\frac{1}{4}$  of sec. 21, T. 18 N., R. 20 E. to Station "STEAMBOAT" in the SW $\frac{1}{4}$  of sec. 34 in the same township. From Station "BROWN", the azimuth was carried by direct reading to the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of T. 17 N., R. 20 E., and maintained thereafter by sustained angulation. Bearings were frequently checked by direct altitude observations upon the sun. The geographic positions of the stations are as follows:

Station.	Azimuth.	To Station.	Feet.
BROWNS			
Lat. 39° 24' 17.335"			
Long. 119° 44' 46.751"	333° 35' 42.4"		10210.2

From U.S.F.S. triangulation station MAGUIRE the corner of secs. 5, 6, 31 and 32 on N. bdy. of the township, bears N. 62° 56' E., 92.17 chs. dist. The published geographic position of MAGUIRE station is: Latitude, 39° 22' 02.441" N., and Longitude, 119° 47' 20.522" W.

By reduction from this station, the geographic position of the cor. of Ts. 16 and 17 N., Rs. 20 and 21 E. produces Latitude, 39° 17' 17.14" N., and Longitude, 119° 40' 35.8" W.

The measurements were made with a Lallie steel tape, 5 chains in length, graduated every link for the first 100 links, and thereafter at intervals of 10 links. The tape was tested by comparison with a standard steel tape and found correct. The measurements were made on the slope, and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents only are entered in the field note record.

The mean observed magnetic declination is 17° 30' E.

Chains

Dependent Resurvey of the South Boundary of  
T. 17 N., R. 20 E.

Reestablishment of the Survey Executed by  
James S. Lawson, Deputy Surveyor in 1862.

The cor. of Tps. 16 and 17 N., Rs. 19 and 20 E., is marked by an iron post, 3 ins. diam., firmly set, with brass cap marked and witnessed as described in the 1943 resurvey record.

N. 89° 53' E., bet. secs. 6 and 31.

Over gently rolling land sloping westerly. Ascend 36 ft. along a barb-wire fence, through dense sage brush.