

## Dependent Resurvey, Portion of T. 21 S., R. 60 E.

## Chains

All boundaries and subdivisional lines were originally surveyed by Brunt and Proctor, Deputy Surveyors, in 1881. The east boundary of section 36, the south boundaries of sections 3, 4, 11 and 12 and the west boundaries of sections 4 and 11 and the east half mile of the north boundary of section 5 were resurveyed by Quentin Campbell, Cadastral Engineer, in 1952 under this same group. During examination of surveys by E. O. Lewis, Cadastral Engineer, in 1954, he remonumented a number of identified original corners throughout the township. The south boundary was resurveyed concurrently with the present work; the record thereof is included in the field notes of the resurvey of T. 22 S., R. 60 E.

The following field notes are those of the dependent resurvey of the Fifth Standard Parallel South along a portion of the south boundary of T. 20 S., R. 60 E.; the west boundary, a portion of the east boundary, a portion of the subdivisional lines, and the subdivision of sections 13, 14 and 16, T. 21 S., R. 60 E.

Before restoring the corners, the lines of the original survey were retraced and diligent search made for any evidence of the original corners, or other calls of the original field note record. The retracement data were submitted for office examination and verification; prior to the conclusion of the field work. In order to simplify the record, the true line notes only are recorded herein, which refer to the completed resurvey.

Reference is made to the survey returns of T. 22 S., R. 60 E., under this same group, for description of instruments and methods.

Measurements were made on the slope with narrow steel tapes, and the vertical angle of each interval was determined by a clinometer; the horizontal equivalents only are entered in the following field note record.

The directions of the lines were determined by sustained angulation carried forward from observation on Polaris recorded in the returns of the survey of T. 22 S., R. 60 E., and verified by frequent observations on Polaris made throughout the survey.

The geographic position of the southeast corner of the township is latitude  $36^{\circ} 04' 18''$  N., longitude  $115^{\circ} 12' 25''$  W., as computed from the U. S. Geological Survey Topographic map "Las Vegas Quadrangle".

Dependent Resurvey, Portion of the East Boundary,  
T. 21 S., R. 60 E., and Establishment of 1/16 Section Corners.

Reestablishment of the Survey Executed By  
Brunt and Proctor, Deputy Surveyors, in 1881.

From the cor. of Ts. 21 and 22 S., Rs. 60 and 61 E., marked by an iron post,  $2\frac{1}{2}$  ins. diam., set, mkd. and witnessed as described in the official record of the 1952 resurvey of a portion of T. 21 S., R. 61 E.

N.  $0^{\circ} 06'$  W., bet. secs. 31 and 36.

Over gently rolling land, through sparse undergrowth.

8.40 Wash, 60 lks. wide, 12 ft. deep, course N.  $30^{\circ}$  E.

20.13 Point for the S. 1/16 sec. cor. of secs. 31 and 36, at proportionate distance.