

Township 21 South, Range 61 East

Chains

The boundaries and subdivision of T. 21 S., R. 61 E. were surveyed by Deputy Surveyors Brunt and Proctor in 1881. The east boundary was dependently resurveyed by E. Voigt and J. W. Hardison in 1943. The north two miles of the west boundary and secs. 13, 14, 23, 24, 26 to 28 and 31 to 35 were dependently resurveyed by Campbell and Taylor in 1952. The remaining four miles of the west boundary were dependently resurveyed in 1955 by Woodrow Sylvester.

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines and the survey of the subdivision of secs. 19, 29 and 30.

On resurveyed lines, before restoring the corners, the lines of the original survey were retraced, and diligent search made for any evidence of the original corners, bearing trees and other calls of the original field note record. When duly identified, the corner positions were remonumented.

The rules of proportionate measurement were applied in order to ascertain the position of lost corners after completing the necessary retracement to connect with the identified corner locations, but not until exhausting every reasonable possibility of finding direct evidence for the control of each particular corner. In order to simplify the record, the true line notes are supplied herewith, which refer to the completed survey.

The survey was executed with a W. and L. E. Gurley transit, serial No. 561047. It is equipped with full vertical circle and improved Smith-type telescopic solar attachment, and conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the progress of the survey.

The directions of all lines herein reported are determined by deflection from the section lines and checked by observations on Polaris and the sun, throughout the survey.

Measurements were made with a narrow steel tape, 8 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 1 chain standard steel tape and found to be correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. The length of all lines was determined by chaining.

The geographic position of the southeast corner of sec. 29 is latitude $26^{\circ} 05' 09''$ N. and longitude $115^{\circ} 10' 18''$ W., as computed from the southwest corner of the township, as shown on plat accepted January 10, 1956 for the resurvey of T. 21 S., R. 60 E. The mean magnetic declination was determined to be $15^{\circ} 45'$ E.

Dependent Resurvey of a Portion of the Subdivision, T. 21 S., R. 61 E.

Reestablishment of the survey executed
by Brunt and Proctor, Deputy Surveyors, in 1881

From the cor. of secs. 29, 30, 31 and 32, monumented by an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record.

N. $0^{\circ} 07'$ E., bet. secs. 29 and 30.

Over gently rolling clay hills.

10.40

Wash, 10 ft. deep, 2 chs. wide, drains N. 50° E. from S. 50° W.