

Township 21 South, Range 59 East

Chains

The Fifth Standard Parallel South along the south boundary of T. 20 S., Rs. 58 and 59 E., and the south, east and west boundaries and the subdivision of T. 21 S., R. 59 E. were surveyed by Brunt and Proctor, Deputy Surveyors, in 1881.

The present work consists of a dependent resurvey of the Fifth Standard Parallel South along a portion of the south boundary of T. 20 S., R. 59 E. and a dependent resurvey of a portion of the west boundary and a portion of the subdivision, and a survey of the subdivision of section lines of sec. 6, T. 21 S., R. 59 E.

The survey was executed with a W. and L. E. Gurley transit No. 481347. The instrument is equipped with full vertical circle and with improved Smith type telescopic solar attachment, and conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument was maintained in good adjustment throughout the course of the survey.

The directions of all lines reported herein are determined by deflection from the section and exterior lines and are checked by observations on Polaris and on the sun, taken almost daily throughout the course of the survey. The details of the various observations are omitted from this field note record.

Measurements were made with a narrow steel tape, 8 chs. long, graduated every link for the first 100 links and thereafter at each 10 link interval. The tape was tested by comparison with a Lufkin standard steel tape, 100 links long, and found to be correct. All measurements were made on the slope and the vertical angle of each interval ascertained by means of a clinometer, maintained in good adjustment. The slope distances are reduced to their true horizontal equivalents, which alone appear in this record. The lengths of all lines were determined by chaining wherever possible, otherwise by traverse or triangulation. The details of all traverses and triangulations have been thoroughly verified, but in order to simplify the record, the diagrams and other details have been omitted from this record.

The geographic position of the SE. cor. of sec. 6, T. 21 S., R. 59 E. is determined by scaling from U.S.G.S. quadrangle map "Blue Diamond", and is as follows:

Latitude $36^{\circ} 08' 37.5''$ N.
Longitude $115^{\circ} 24' 20''$ W.

The magnetic declination at the SE. cor. of sec. 6 was found to be approximately $15^{\circ} 45'$ E.

Dependent Resurvey of 5th Stan. Par. S., along portion of S. Bdy.,
T. 20 S., R. 59 E.

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

Beginning at the original standard cor. of secs. 31 and 32, T. 20 S., R. 59 E., which is monumented with a sandstone, 4x6x16 ins., firmly set and mkd. as described in the official record.

At the corner point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a mound of stone to top, with brass cap mkd.