

Township 20 South, Range 60 East

Chains

The south and west boundaries of T. 20 S., R. 60 E. were surveyed by Brunt and Proctor, Deputy Surveyors, in 1881. The north and east boundaries and the subdivision of the township were surveyed by Woods and Myrick, Deputy Surveyors, in 1882. The east $5\frac{1}{2}$ miles of the south boundary, the south 1 mile of the east boundary and the subdivisional lines of secs. 33 and 36 were dependently resurveyed under Group 357 in 1952. The west $\frac{1}{2}$ mile of the south boundary of sec. 31 was dependently resurveyed under Group 357 in 1956. The west 2 miles of the north boundary were dependently resurveyed concurrently with the present work under this same group and was accepted February 25, 1957.

The present work consists of the dependent resurvey of a portion of the west and north boundaries and subdivisional lines, and the survey of the east-west and north-south center lines of secs. 4 to 10 incl., 15, 22, 27 and 28. In the present work, 1/16 sec. cors. are established on all lines resurveyed and surveyed except as noted in the following field note record.

The survey was executed with a W. and L. E. Gurley transit, serial 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 direction of all lines herein reported are determined by deflection from the section and exterior lines and 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 record.

Measurements were made with a narrow steel tape, 8 chs. 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 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 length of each line was 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 the township, shown on the plat of survey accepted June 8, 1953, is found to be correct, having been derived by direct tie to U.S.C. & G.S. triangulation station "Pit", which is situated near by. From this it is determined that the geographic position of the cor. of secs. 26, 27, 34 and 35 is latitude $36^{\circ} 10' 26''$ N. and longitude $115^{\circ} 14' 29''$ W.

The magnetic declination was read at a number of stations over the township and the average was found to be $15^{\circ} 45'$ E.

Dependent Resurvey of a Portion of the W. Bdy., T. 20 S., R. 60 E.

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

Beginning at the original cor. of secs. 7, 12, 13 and 18, T. 20 S., Rs. 59 and 60 E., which is monumented with a limestone, 16x12x3 ins., firmly set and mkd. with 4 notches on S. and 2 notches on N. edges.

At the corner point