

Test of Instrument

reference tree to be N. 17° 30' W. An additional Polar-
is observation near the $\frac{1}{2}$ sec. cor. of secs. 31 and 32
verified the azimuth as carried to the lines of the Min-
eral segregation surveys.

All measurements on the retracement of the section bound-
aries was made with a Lallie 5 chain steel ribbon tape,
which was compared with a Lufkin standard 1 chain tape.
Slope measurements were properly reduced to true hori-
zontal distances through the use of improved large type
clinometers and the transit for the determination of
the vertical angles. Measurement of the mineral seg-
regation boundaries was made on the slope with a stand-
ard 200 foot tape and the vertical angle was determined
by clinometer and transit and the true horizontal dist-
ance computed.

Field measurements in foot units were reduced to their
equivalent distances in chains and decimal parts there-
of.

METHOD AND ORDER OF PROCEDURE

Retracements of the section lines were made and fallings
and distances recorded and the true course and distance
computed. The missing quarter section cor. of secs.
31 and 32 and the quarter section cor. of secs. 30 and
31, were restored by proportionate measurement. True
courses and distances only are shown in the following
record.

DEPENDENT RESURVEY OF THE BOUNDARIES OF SECTION 31.
T. 20 N., R. 19 E.

Dependent Resurvey of a Portion of the S.Bdy.T20NR19E

Alongside the original corner of Ts. 19 and 20 N., Rs.
18 and 19 E., which is a granite stone, 5x6x16 ins.
loosely set in an old mound of stone and marked with