

T. 25 N., R. 69 E.

Chains

The survey of township 25 north, range 69 east, was executed with light mountain solar transits, Serial No. 17994, made by Buff and Buff Manufacturing Co., and Serial Nos. 271709 and 262684, made by W. & L. E. Gurley, all the property of the General Land Office. For description, date of approval and field tests, together with the identical method of survey, see page 1, Frac. T. 23 N., R. 70 E., this group.

The data furnished with the special instructions, gives the geographic position of the SE. cor. of the Tp., as follows: latitude $39^{\circ} 59' 26''$ N. and longitude, $114^{\circ} 06'$ W.

October 21, 1940: at the cor. of Tps. 24 and 25 N., Rs. 69 and 70 E., heretofore described, at 4h 03m 53s p.m., app. t., I make a series of three altitude observations of the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun and reading the horizontal angles from a flag, 10 chs. S., SW. to the sun.

Observation	Telescope	Sun	120° Mer. Watch time	Vertical angle	Horizontal angle flag to sun
First	Direct		3h23m30s	$14^{\circ} 15' 00''$	$62^{\circ} 09' 30''$ to SW.
Do	Reversed		3h27m40s	$14^{\circ} 03' 00''$	$62^{\circ} 22' 30''$ do.
	Mean		3h25m35s	$14^{\circ} 09' 00''$	$62^{\circ} 16' 00''$ do.
Second	Direct		3h24m20s	$14^{\circ} 05' 00''$	$61^{\circ} 46' 30''$ do.
Do	Reversed		3h26m50s	$14^{\circ} 13' 00''$	$62^{\circ} 46' 30''$ do.
	Mean		3h25m35s	$14^{\circ} 09' 00''$	$62^{\circ} 16' 30''$ do.
Third	Direct		3h25m00s	$13^{\circ} 59' 00''$	$62^{\circ} 28' 30''$ do.
Do	Reversed		3h26m10s	$14^{\circ} 19' 00''$	$62^{\circ} 05' 30''$ do.
	Mean		3h25m35s	$14^{\circ} 09' 00''$	$62^{\circ} 17' 00''$ do.

By first observation flag bears S. $0^{\circ} 00' 32''$ W.
 By second observation flag bears S. $0^{\circ} 00' 02''$ W.
 By third observation flag bears S. $0^{\circ} 00' 28''$ E.
 Mean true bearing of flag S. $0^{\circ} 00' 03''$ W.

Observed magnetic declination N. $17^{\circ} 30'$ E.

DEPENDENT RESURVEY, 5th STAN. PAR. N., IN R. 69 E.

Reestablishment of the survey of Preble and Thorburn, U. S. Deputy Surveyors, 1881, under contract No. 130.

Preliminary to the resurvey and from the stan. cor. of Tps. 26 N., Rs. 69 and 70 E., hereinafter described, I project a line west, on a tangent, finding, after diligent search, no trace of the stan. $\frac{1}{4}$ and sec. cors. and at 493.32 chs., intersect the W. bdy. of T. 26 N., R. 69 E., 42 lks. N. of the stan. cor. of Tps. 26 N., Rs. 68 and 69 E.; a cedar post, 3 ins. sq., 20 ins. above ground, with illegible scribe marks, and from which a juniper, 18 ins. diam., bears S. 48° E., 25 lks. dist., mkd. TXXVN RLXIXE.

At point for cor.,

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, with the original cor. monument alongside, for the stan. cor. of Tps. 26 N., Rs. 68 and 69 E., with brass cap mkd.

S C
 T 26 N
 R68E | R69E
 S36 | S31

1940