

DEPENDENT RESURVEY OF PART OF S. BDY., T. 43 N., R. 23 E.

Chains

Survey executed with Buff and Buff light mountain solar transit No. 9210, the property of the General Land Office; approved by the district cadastral engineer, September 11, 1941. For description, see page 1, Resurvey of the 9th Standard Parallel N., S. bdy. of T. 46 N., R. 26 E., this group.

The survey was accomplished by a tangent line between the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of T. 43 N., R. 23 E., and a point 14 lks. S. of the cor. of Tps. 42 and 43 N., Rs. 22 and 23 E., proper offsets being made from the tangent to the parallel at each $\frac{1}{2}$ mile interval.

The geographic position of the cor. of Tps. 42 and 43 N., Rs. 22 and 23 E., is latitude $41^{\circ} 35\frac{1}{2}'$ N. and longitude $119^{\circ} 27'$ W.

October 7, 1941.

At the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of Tp. 43 N., R. 23 E., 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 deflection angles from a point 14 lks. S. of the cor. of Tps. 42 and 43 N., Rs. 22 and 23 E.

Observation	Telescope	Sun	Watch time a.m.	Vertical angle	Horizontal angle Point to Sun.
1st	Direct		8h28m00s	$24^{\circ} 42' 00''$	$210^{\circ} 50' 00''$ to SE.
"	Reversed		8h33m30s	$26^{\circ} 00' 30''$	$211^{\circ} 28' 00''$ "
	Mean.....		8h30m45s	$25^{\circ} 21' 15''$	$211^{\circ} 09' 00''$ "
2nd	Direct		8h29m00s	$24^{\circ} 54' 00''$	$210^{\circ} 29' 00''$ "
"	Reversed		8h32m30s	$25^{\circ} 51' 00''$	$211^{\circ} 52' 00''$ "
	Mean.....		8h30m45s	$25^{\circ} 22' 30''$	$211^{\circ} 10' 30''$ "
3rd	Direct		8h30m00s	$25^{\circ} 33' 00''$	$211^{\circ} 17' 00''$ "
"	Reversed		8h31m30s	$25^{\circ} 10' 00''$	$211^{\circ} 02' 00''$ "
	Mean.....		8h30m45s	$25^{\circ} 21' 30''$	$211^{\circ} 09' 30''$ "

By 1st obsn. point bears $N.86^{\circ} 56' 10''$ W.

By 2nd " " " $N.86^{\circ} 55' 52''$ W.

By 3rd " " " $N.86^{\circ} 56' 20''$ W.

Mean true bearing of point. $N.86^{\circ} 56' 11''$ W.

Reestablishment of the Survey Executed by
Garside and Preble. Deputy Surveyors, in 1875.

The cor. of secs. 2, 3, 34 and 35, on the S. bdy. of T. 43 N., R. 23 E., which is marked by an iron post, 2 ins. diam., 10 ins. above ground, firmly set, mkd. and witnessed as described in the official record,

$N.86^{\circ} 56' W.$, bet. secs. 3 and 34.

Desc. 70 ft. over rolling land on a SW. slope, through scattering undergrowth.

1.60 Shallow wash, course S.

11.00 Road, bears $N. 40^{\circ} W.$ and $S. 40^{\circ} E.$

36.90 Shallow wash, course $S. 10^{\circ} E.$; asc. 50 ft. over an E. slope.

40.91 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34, on the tangent, at proportionate distance; there is no remaining evidence of the original corner.