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## Township 40 North, Range 27 East, M.D.M., Nev.

## Chains

The vertical angle of each measurement was ascertained with clinometers in good adjustment; the horizontal equivalents only are entered in this field note record.

The geographic position of the NE. cor. of the township as computed from data furnished with the special instructions is as follows:

Latitude  $41^{\circ}24.4'$  N. Longitude  $118^{\circ}52'$  W.

October 11, 1951, at a station in the SE $\frac{1}{4}$  of sec. 6, T. 39 N., R.27 E., in latitude  $41^{\circ}18.5'$  N., and longitude  $118^{\circ}58'$  W., at hourly intervals from 2 to 5 pm., app.t., we make proper settings on the arcs of the solar attachments and orient the instruments. The indicated bearings to a rock cairn on Piute Peak, about 2 miles distant, are S.  $34^{\circ}19'$  E.

At twilight, make an hour angle observation on Polaris, east of the meridian, taking six sights, three each with the telescope in direct and reversed positions, and accumulating the deflection angle from the reference point, left to Polaris.

Mean watch time of observation, p.m. (correct by radio time signals)	5h 49.0m
Watch slow of local mean time	4.1m
Mean deflection angle to Polaris	$144^{\circ} 25.0'$
Azimuth of Polaris	+ $1^{\circ} 15.7'$
	$145^{\circ} 40.7'$
Bearing of reference point	S. $34^{\circ}19.3'$ E.

October 12, 1951, at the same station, at 8h 0m am., app. t., make proper settings on the arcs of the solar attachments and ascertain that the resulting orientation of the instruments is in agreement with the meridian established by Polaris observation.

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Resurvey of the Eighth Standard Parallel North, along a Portion of the South Boundary of T. 41 N., R.27 E. (Reestablishing the 1873 survey of Skinner, Garside and Preble.)

The standard  $\frac{1}{4}$  sec. cor. of sec. 32 is marked by a lava stone, 10x8x5 ins. above ground, firmly set in a small mound of stone and plainly marked  $\frac{1}{4}$  on N. side.

At the corner point

Set an iron post, 30 ins. long, 2 ins. diam., 16 ins. in the ground to bedrock, with brass cap mkd.

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rebuild the

mound of stone, 4 ft. base, around post to top.

From this point, a point 80.00 chs. north of the cor. of secs. 1, 6, 7, and 12, on W. bdy. of T.40 N., R.27 E., bears N.  $89^{\circ}58'$  W., 143.66 chs. dist.; said corner is monumented with the original lava stone, 12x12x5 ins. above ground, firmly set in a mound of stone and marked with 1 groove on N. and 5 grooves on S. side.

The  $\frac{1}{4}$  sec. cor. is about 2 chs. N. of junction of N. fork of Battle Creek, from N.  $20^{\circ}$  W., and W. fork of Battle Creek,