

T. 26 N., R. 57 E., M. D. M.

July 23, 1947, at the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, Tps. 26 and 27 N., R. 57 E., in latitude $40^{\circ} 10' N.$, longitude $115^{\circ} 30.5' W.$, I make an altitude observation of the sun, first setting on the sun's upper and right limbs, then, after reversal of the instrument, setting on the lower and left limbs. The horizontal angles are measured from a reference flag set about 20 chs. to the east.

Mean watch time of observation, P. S. T 7h 48m a.m.
 Mean vertical angle $35^{\circ} 46' 45''$
 Mean horizontal angle, south to sun $2^{\circ} 39' 30''$
 Azimuth of the sun $87^{\circ} 01'$ ✓
 Reduced bearing of point S. $89^{\circ} 40' 30''$ E.

Dependent resurvey of N. Bdy. of sec. 1, T. 26 N., R. 57 E., M.D.M. reestablishing the survey executed by A. J. Hatch and J. H. Eaton, Deputy surveyors, in 1868.

I commence the resurvey at the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, Tps. 26 and 27 N., R. 57 E. which was remonumented by the U.S. Biological Survey with an iron pipe, $1\frac{1}{2}$ ins. diam., 12 ins. above ground, surrounded by a mound of stone 3 ft. base.

At the corner point

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.

1 S36
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 4 S1
 1947

Raise a mound of stone, 3 ft. base, around the post and bury the $1\frac{1}{2}$ in. iron pipe alongside.

Thence

S. $89^{\circ} 36'$ E., bet. secs. 1 and 36. (E. $\frac{1}{2}$ mile.)

- Chains Desc. 80 ft. over SE. slope through scattering juniper timber.
- 2.60 Irrigation ditch, course N. 30° E.
- 7.00 Deso. slightly over very gradual slope.
- 15.50 County road, bears N. 30° E. and S. 30° W.
- 16.00 Fence corner bears S., approximately 0.50 chs. dist.; fences bear E. and S. 20° W.
- 20.00 The E. $1/16$ sec. cor. of secs. 1 and 36, marked by a U.S. Biological Survey brass tablet set in a concrete post, 3 ins. diam., 8 ins. above ground, surrounded by a mound of stone. The brass tablet is marked

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 T27N R57E
 1 S36
 E 16 S1
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Desc. 25 ft. over very gradual slope.

- 35.64 Fence, bears N. $2\frac{3}{4}^{\circ}$ E. and S. $2\frac{3}{4}^{\circ}$ W., 0.35 chs. to fence corner thence west; across grain field.

- 40.00 Point for the corner of Tps. 26 and 27 N., Rs. 57 and 58 E., marked by a steel axle shaft, 1 in. diam., top 6 ins. below the surface, and