

514

cor. of secs. 34 and 35; T 36 N, R 46 E; to the standard cor.

of Tps. 36 N, Rgs. 47 and 48 E.

Chains

40.38

I find the standard cor. of secs. 32 and 33; falling 28 lks. N. of my line.
It is a stake 2 ins. diam. by $1\frac{1}{2}$ ft. above ground, firmly set in the ground in a mound of earth and mkd. with 2 notches on the W. and 4 notches on the E. edge/
Course of this $\frac{1}{2}$ mile is N $89^{\circ}36'$ E.

40.00

80.00

From the standard cor. of secs. 32 and 33; I run E. on a blank line, retracing the 7th. Standard Parallel North south of sec. 33.

I search diligently but find no standard $\frac{1}{4}$ sec. cor.

I search diligently but find no standard cor. for secs. 33 and 34.

322.80

I continue my blank line E., south of sec. 34.
At intervals of 40.00 chs. I search diligently but find no more corners untill at

from the standard cor. of secs. 32 and 33

I find the standard cor. of Tps. 36 N, Rgs. 47 and 48 E falling 2.24 chs. north of my line.

It is a limestone rock 15-10-5 ins., set in a mound of stone and mkd. with 6 notches on each of the E., W., and N. edges.
Course of these 4 miles is N $89^{\circ}36'$ E.

June 29, 1914.

June 30, 1914.

Resurvey of the 7th. Standard Parallel North, from the standard cor. of secs. 34 and 35, T 36 N, R. 46 E.; to the standard cor. of Tps. 36 N, Rgs. 47 and 48 E.

At the standard cor. of secs. 34 and 35, T 36 N, R 46 E, already described, at 8h., a.m., l.m.t., I set off $40^{\circ}56'$ N on the lat. arc, $23^{\circ}13'30''$ N. on the decl. arc and determine a meridian with the solar.

Thence I run

N $89^{\circ}36'$ E, south of sec. 35

Over rolling, sagebrush covered land.

Since I have but the one set of chainmen, I measure the distances twice with this one set and take the mean of their measurements, instead of using two sets of chainmen.

Asc. 35 ft. to

11.70

Small ridge, bears N. and S. 10° ft. to

Difference bet. measurements of 40.44 chs. twice by the same set of chainmen is 4 lks., position of middle point

By 1st. measurement 40.42 chs.

40.44

By 2nd. measurement 40.46 chs., the mean of which is (Proportional distance) 60 ft. below ridge

Set an iron post 3 ft. long, 1 in. diam. 24 ins. in the ground for standard $\frac{1}{4}$ sec. cor. with brass cap mkd.

S $35\frac{1}{2}$
SC

1914

dig pits 18-18-12 ins. E and W of post 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
Desc. 50 ft.

Difference bet. measurements of 80.88 chs., twice by the same set of chainmen is 6 lks., position of middle point
By 1st. measurement 80.91 chs.

By 2nd. measurement 80.85 chs. the mean of which is

80.88

(Proportional distance)

Set an iron post 3 ft. long, 3 ins. diam. 24 ins. in the ground for standard cor. of secs. 35 and 36, with brass cap mkd.