

Chains

Thence N.89°10'E. on a resurvey between secs. 6 and 31. Over rolling land, through dense sagebrush; desc. gently.

37.52 The old $\frac{1}{4}$ sec. cor. already described, which I re-monument at the same place, as follows:

Alongside of stone, set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground for the $\frac{1}{4}$ sec. cor. with brass cap mkd:

$\frac{1}{4}$ S31
S 6
1914

and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Course now changes to N.89°13'E.

43.60 Descend from bench, bears N. and S.

59.10 Foot of descent, bears N. and S.

78.62 The old cor. of secs. 5, 6, 31 and 32, heretofore described, which I reestablish at the same point as follows:

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground for the cor. of secs. 5, 6, 31 and 32, with brass cap mkd:

T 35 N
S31 | S32
S6 | S5 R51E
T 34 N
1914

and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling.

Soil, clay and gravelly loam.

No timber.

Undergrowth, sagebrush.

Good grass for grazing.

August 26, 1914.

RETRACEMENT OF S. BDY. T.34 N.,R.51 E.

Survey commenced Aug. 9, 1914, and executed with a Young and Son's transit No.8146, with Smith Solar attachment. For description and approval of instrument see Book "A" of this survey.

I examine the adjustments of the transit and find no errors. Then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At my camp, which is in Sec.26, T. 34 N., R. 51 E., in approximate lat. $40^{\circ}46'$ N.; longitude $116^{\circ}13'$ W., I set off $40^{\circ}46'$ on the lat. arc; $15^{\circ}54'$ N. on the decl. arc; and determine a meridian with the solar at 4 h 30 m, p.m., l.m.t., and mark a point in the line thus determined by a peg driven firmly in the ground about 5 chs. N. of my station.

At 10 h 23 m, p.m., l.m.t., I observe Polaris at eastern elongation in accordance with the Manual of Instructions and marked the direction of the line thus determined on a peg driven firmly in the ground about 5 chs N. of my station.

August 9, 1914.

August 10:

At 6 h 0 m, a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}30'$ to the W., and note that this meridian practically agrees with the meridian determined August