

Mean observed altitude..... 62° 09' 00"  
 Reduced latitude..... 41° 51' 50.4"  
 This latitude is in agreement with the latitude furnished by the Special Instructions.

Every 30 minutes from 7 a.m. to 10:30 a.m. and from 1:30 to 4 p.m., I make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by the Polaris observation, has a maximum error of less than 1' 30".

I repeat the tests of the arcs daily by noon observation and verify the meridional indications at frequent intervals throughout the survey.

The observed magnetic declination is 20° 00' E.

## Chains

INDEPENDENT RESURVEY OF THE 9TH STAN. PAR. N.,  
THROUGH RANGE 59 E.

From the stan. cor. of Tps. 46 N., Rs. 59 and 60 E.; an iron post, 3 ins. diam., 12 ins. above ground, mkd. and witnessed, as described in the official record.

West, along the S. bdy. of sec. 36.

Asc. slightly over mountainous land, on an E. slope, through scattering pine and fir timber.

- 3.80 Road, bears N. and S.
- 7.00 Ridge, bears N.10°W. and S.10°E., desc. 1070 ft. over a W. slope.
- 10.80 Leave scattering timber, enter slide rock.
- 17.60 The cor. of lots 4 and 5, sec. 6, T. 45 N., R. 60 E., described in the field notes of that township.
- 25.70 Leave slide rock, enter dense timber, bears N. and S.
- 25.96 The closing cor. of Tps. 45 N., Rs. 59 and 60 E.; an iron post, 3 ins. diam., 12 ins. above ground, mkd. and witnessed as described in the official record.
- 29.40 Spring, 1½ lks. wide, ½ in. deep, flows W., bears N., 20 lks. dist.
- 33.50 Leave dense timber, bears N. and S., enter scattering timber.
- 40.00 After diligent search, no trace could be found of the original standard ¼ sec. cor.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for the standard ¼ sec. cor., with brass cap mkd.

S C

¼ S36

1933

from which

A pine, 11 ins. diam., bears N.29°E., 33 lks. dist., mkd. ¼ S 36 S C BT.

A fir, 8 ins. diam., bears N.16°W., 23 lks. dist., mkd. ¼ S 36 S C BT.