

Resurvey of E. Bdy. T. 39 $\frac{1}{2}$ N., R. 20 E.

1.

Chs.

Survey commenced August 17, 1914, and executed with a Young and Sons' light mountain transit No. 8390, with Smith Solar Attachment. The horizontal limb is provided with two double verniers, placed opposite to each other, and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. The instrument was approved by Mr. G. D. D. Kirkpatrick, Asst. Supervisor of Surveys, at Salt Lake City, Utah, on April 24, 1914. It was also tested by me on a true meridian determined by Polaris observation in July, 1914, as recorded in Book "A", and found correct.

Measurements were made with a steel tape, 5.00 chs. in length, the first 100 lks. being graduated to links and the remainder to 10 lks. The vertical angles were read with a clinometer.

Having found it necessary to make an independent resurvey of the East Bdy. of T. 39 N., R. 20 E., and having made such resurvey, as recorded in Book "A", I now make an independent resurvey of the East Bdy. of T. 39 $\frac{1}{2}$ N., R. 20 E., searching the while for old corners, but finding none except the Closing Corner of Ts. 39 and 40 N., R. 21 E., which I destroy.

At 10 h 10 m A.M., l.m.t., I set off 41°18' on the lat. arc, and 13°33' N. on the decl. arc, and determine a meridian with the solar at the cor. of Ts. 39 N., Rs. 20 and 21 E.; T. 39 $\frac{1}{2}$ N., R. 20 E., and T. 40 N., R. 21 E., described in Book "A".— This cor. is in long. 119°42' W. Thence I run

North between secs. 31 and 36.

Over rolling land. Ascend 150 ft. on S. slope to top of ridge.

1.00 Wash, 5 lks. wide, 5 ins. deep, course S. 5° E.

9.90 Wash, 5 lks. wide, 5 ins. deep, course S. 10° W.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground to solid rock, and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S36 $\frac{1}{4}$ | S31
1914

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

48.00 Ridge, bears NE. and SW.; descend 20 ft. on NW. slope to wash.

50.25 Wash, 7 lks. wide, 10 ins. deep, course S. 60° W.; ascend 340 ft. on south slope to corner.

80.00 Top of spur, projects SE. Set an iron post 3 ft. long, 3 ins. diam., 22 ins. in the ground to solid rock and in a mound of stone for cor. of secs. 25, 30, 31 and 36, with brass cap mkd:

T39 $\frac{1}{2}$ N T40N
R20E R21E
S25 S30
S36 S31
1914

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

The land on the south 50 chs. of this mile is rolling and that on the north 30 chs. mountainous. The soil is all very rocky and unfit for cultivation. There is a fair growth of sagebrush and bunchgrass. No timber.

North between secs. 25 and 30.

Over mountainous land. Along E. slope.

15.00 Draw, course SE.; ascend 150 ft. on SE. slope to top of ridge.

30.00 Ridge, bears N. 55° W. and S. 55° E.; descend 290 ft. on