

194  
420

SURVEY OF T. 16 N., R. 49 E.

Chains

Mean observed altitude.....73°42'00"  
 Reduced latitude.....39°12'47" N.  
 Mean watch time of obs.....11h44m36s a.m. 120 mer.  
 stan. time.  
 Watch slow of local mean time..... 0h14m19s  
 Correction for Longitude.....116° 42' -0h13m12s

The measurements were made with Lallie steel ribbon tapes 5.00 chs. in length. The tapes were graduated every link for the first chain and thereafter at intervals of 10 links. These tapes were compared with a Lufkin standard steel tape one chain in length and found to be correct. Measurements were made on the slope with vertical angles determined with improved type clinometers and the slope measurements were properly reduced to corresponding horizontal distances which appear in these notes.

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL NORTH, ALONG THE S. BDY. OF T. 16 N., R. 49 E.

Independent Resurvey of the 3rd Stan. Par. N., through R. 49 E., superseding the survey executed by E. B. Monroe, U. S. Deputy Surveyor, in 1884.

Beginning at the standard cor. of Tps. 16 N., Rs. 49 and 50 E., which is an iron post, 3 ins. diam., showing 9 ins. above the ground, firmly set, mkd. and witnessed as described in the official record.

West, with the establishment of the third standard parallel north, along the S. bdy. of sec. 36, on a solar transit line.

Over mountainous land, through scattering timber and dense undergrowth, asc. 300 ft. along E. slope.

10.10 Top of ridge, bears N. and S.; desc. a steep rocky W. slope.

10.72 To a point, from which the original standard cor. of Tps. 16 N., Rs. 49 and 50 E., bears N. 1.36 chs. dist., which is a decayed weather-beaten juniper post, 2 ins. square, 4 ft. long, loosely set in a mound of stone, mkd. TXVIN RVE on N. face; RX1L SXXXVI on W. face, other marks not readable. I destroy this cor.

Continue to desc. 500 ft. over rocky W. slope.

39.10 Top of spur, projects N. 50° W. for about 7.00 chs.; desc. 10 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, to bedrock, with a porphyry rock, 8x6x4 ins., mkd. X, deposited at the base, and in a mound of stone to top, for standard 1/4 sec. cor., with brass cap mkd.

S C  
 1/4 S 36

1937

from which

A pinon pine, 4 ins. diam., bears N. 89 3/4° E., 135 lks. dist., mkd. 1/4 S 36 S.C.B.T.

No other trees available.

Desc. 170 ft. over broken series of small ledges along W. slope.

45.10 Copenhagen Creek, 4 lks. wide, clear water, 4 ins. deep, over rocky bottom, swift current, course N. 20° E.; asc. 20 ft. over rocky E. slope.