

Chains

dig pits, 24x24x12 ins., on each line N., E. and W., 4 ft. and S. of stone, 8 ft. dist.; and raise a mound of earth 5 ft. base; 2½ ft. high S. of corner.
 Land, gently rolling valley, sloping E.
 Soil, loose gravelly heavy clay loam, 10 ins. deep, compact clay subsoil.
 Sagebrush some rabbit brush, rabbit brush in draws.
 Nontimber.

Sept. 29, 1915.

West Boundary T. 21 N., R. 48 East.

Surveyed by H.W. Reppert.

Sept. 30, 1915: At 9h. 45m., a.m., l.m.t., set off 39° 38½' N. on lat. arc; 2° 33' S. on decl. arc; determine a meridian with the solar at the standard cor. of T. 21 N., Rs. 47 and 48 E., heretofore described.

Thence I run

N. on a true line on the W. bdy. of the Tp. bet. sec. 31 and 36.

Over mountainous land, ascend along W. slope.

25.60 Top of spur, 180 ft. above standard corner, projects W. descend.

30.10 Bottom of gulch 40 ft. below top of spur, course S. 80° W.; ascend 130 ft. to the ¼ sec. cor.

40.00 Set an iron post 3 ft. long, 1 in. diam., 22 ins. in the ground to solid rock and in a mound of stone for ¼ sec. cor., with brass cap mkd.;

S36½ | S31
 1915

and raise a mound of stone 2 ft. base, 1½ ft. high W. of corner.

At this cor. at about 11h. 50m., a.m., l.m.t., I make a direct observation for latitude as follows:

Sun's lower limb, direct	47°	30½'
" " " rev.	47°	28'
mean	47°	29½'
add semi. diam.		16'
	47°	45.3'
add decl.	2	36.3
	50°	21.6'

44.79 Lat. of place of obs. = 90° - 50° 21.6' = 39° 38.4' N.

Top of W. slope of mountain ridge and main divide between Monitor Valley on S. and Grass Valley on N. 20 ft. above ¼ sec. cor., N. 80° E. and S. 80° W.; along W. slope.

69.60 Top of spur, projects N. 60° W.; descend.

71.15 Gulch, 190 ft. below spur, course N. 80° W.; ascend 40 ft. to the corner.

80.00 Set an iron post 3 ft. long, 3 ins. in diam., 14 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.;

T21N
 R47E | R48E
 S25 | S30
 S36 | S31
 1915

and raise a mound of stone 2 ft. base, 1½ ft. high W. of corner.

Land, W. slope mountainous, drains S.W. and N.W.

Soil, dry light clay loam, shallow and covered with