

## Chains

Head of draw at 25.60 chs. is rich, black loam, but is very rocky. East of main ridge, rich, black loam from a few inches to several feet deep, on and among rocks. Main ridge is solid rock and east of ridge are many solid outcrops and cliffs.

Timber, aspen and mountain mahogany. Undergrowth, chaparral, willow, choke cherry, service berry, sage and buckbrush. Good growth of grass.

N.0°02'W. on a true line between secs. 4 and 5.

Descend over rough, mountainous land.

18.00 Enter dense aspen timber, bears S.80°W. and N.80°E.

19.10 Creek, 1 lk. wide, 1 in. deep, 280 ft. below section corner, course S.80°W. Ascend steep S. slope.

20.00 Leave timber, continue ascent through dense undergrowth.

40.00 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:

$\frac{1}{4}$   
 S5 — S4  
 1915

and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Corner is set 520 ft. above creek.

At this corner I set off 1°48'S. on the decl. arc, and observe the sun on the meridian at apparent noon; the resulting latitude is 40°53'N.

42.67 Top of spur, 30 ft. above  $\frac{1}{4}$  sec. cor., projects SW.

57.65 Bottom of draw, 45 ft. below spur, course SW. Ascend through scattering mountain mahogany timber and very dense chaparral undergrowth.

83.99 Intersect the N. Bdy. of the Tp., 405 ft. above draw, at a point S.89°49'W., 6.75 chs. from the cor. of secs. 32 and 33, T.35 N., R. 61 E.

At the point of intersection I set an iron post 3 ft. long, 2 ins. in dia., 18 ins. in the ground to solid rock and in a mound of stone for the closing corner of secs. 4 and 5, with brass cap mkd:

T35N R61E  
 S32  
 S5 — S4  
 T34N R61E  
 C — C  
 1915

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

Land mountainous.

Soil is sandy loam with a good deal of gravel. Medium to coarse, several feet deep. Very rocky, with many solid outcrops. Many huge boulders. North end of mile is near top of ridge and is mostly solid rock and slide rock. Granite, quartzite and dacite.

Timber, aspen and mountain mahogany. Undergrowth, chaparral, snow drop, choke cherry, service berry, sage and buckbrush. A little grass.

September 28, 1915.

September 29, 1915:

At 8 h 0 m, a.m., l.m.t., I set off 40°50'N. on the lat. arc; 2°07'S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

Thence West on a true line between secs. 20 and 29.

Over mountainous land, descending.

20.40 Creek, 2 lks. wide, 1 in. deep, 180 ft. below section corner, course S.30°W.

Ascend.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in