

2. Resurvey of the 4th Standard Parallel thru R. 47 E.

Chains

Resurveyed by H.W. Reppert.
 July 24, 1915:- At 8h.30m. a.m., l.m.t., I set off $39^{\circ} 38\frac{1}{2}'$ N. on the lat. arc; $20^{\circ} 1\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the Standard Corner of T. 21 N., R. 47 and 48 E., heretofore described. As the 4th Standard Parallel through ranges 48 and 49 E. was found to be out of limits for measurement and alignment and was resurveyed West on a true line through these ranges, therefore I resurvey the 4th Standard Parallel North through R. 47 E. in a similar manner. West on a true line on the S. bdy. of sec. 36. Over mountainous land, descend S. W. slope. Ravine, 114 ft. below Standard Township corner, course S.; ascend 140 ft. to $\frac{1}{4}$ sec. cor. Gulch, course S. 60° E.; ascend. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd.,

S36 $\frac{1}{4}$
1915

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of corner.
 Ascend through scattering timber, mahogany and pinon pine.
 49.20 The old standard $\frac{1}{4}$ sec. cor. of sec. 36, which is a granite stone $3 \times 12 \times 30$ ins., set in a mound of stone, marked and witnessed as described by the Surveyor General bears N. 3.60 chs. dist. I destroy the old cor. and its accessories.
 60.54 Ascend over rocky ledge, bears N. and S.
 61.92 Top of ridge, 400 ft. above ravine, bears N. 15° W. and S. 15° E.; descend.
 67.00 Head of draw, 50 ft. below top of ridge, bears S.; ascend.
 76.78 Top of dividing ridge, 68 ft. above draw, bears N. 30° E. 10 chs., thence E. 5 chs., thence N. 30° E. and South, descend through mahogany thicket, 30 ft. to the Standard Corner.
 80.00 The point for the Standard Corner of secs. 35 and 36 which falls on the W. edge of an exposed ledge of rock, 10 ft. high bears N. and S., a position where it is impossible to establish a corner in a permanent manner. Land, mountainous, drains S and N. Soil, heavy clay loam 6 to 10 ins. deep, decomposing granites. Surface covered with granite boulders, exposed outcrops of same on ridges. Undergrowth, sagebrush and some grass and service berry. Timber, pinon pine and mountain mahogany, scattering on 35 chs. on W. $\frac{1}{2}$ mile, very dense on W. 5 chs. At this cor. I set off $19^{\circ} 59\frac{1}{2}'$ N. on the lat. arc and about 12h. 06m., p.m., l.m.t. observe the sun on the meridian. The resulting latitude is $39^{\circ} 38'$ N.

From the point for the Standard Corner of secs. 35 and 36 I run West on a true line on S. bdy. of sec. 35. Over mountainous land, descend steep slope.
 0.20 Set an iron post, 3 ft. long, 3 ins. diam., 10 ins. in the ground to solid rock and in a mound of stone with 6 ft. base for the witness corner of the Standard Corner of secs. 35 and 36 with brass cap mkd.;

T21NR47E
 S35 | S36
 _____ W C
 1915

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