

16.

Resurvey of West Bdy. of T.30 N., R. 51 E.

Chains

dig pits 18x18x12 ins. in each section 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level in bottom of valley.

Soil, very dry, medium texture, desert loam; derived from the disintegration of volcanic rocks, 1st and 2nd rates. Could be cultivated if it were not so dry.

Good growth sagebrush, not much grass, no timber.

Good grazing land.

S.1°03'E. between secs. 31 and 36.

Over slightly rolling land, sloping to the NW.

14.43 Old Pony Express Road, bears NW. and SE.

29.13 Wash, course W.

31.29 Intersect the Closing Corner of T.29 and 30 N., R. 51 E.

38.13 The ¼ sec. cor. for sec. 36, T. 30 N., R. 50 E.

Land, slightly rolling, sloping to the NW.

Soil; very dry, medium texture, rather thin and shallow, contains considerable gravel and some loose rocks, 2nd rate.

Good growth of sagebrush, some grass, no timber.

Fair grazing land.

August 10, 1915.

RETRACEMENT OF 6th STD.PAR.N., through R. 51 E.

Aug. 2, 1915.

At the Standard Cor. of Secs. 32 and 33, on the 6th Standard Parallel North, R. 51 E., at 8 h 0 m, a.m., l.m.t., I set off 40°29'N. on the lat. arc, 17°58'N. on the decl. arc, and determine a meridian with the solar.

This corner is a basalt stone, firmly set in the ground, of the size, marked and witnessed as described by the Surveyor General.

Thence I retrace

East on the south bdy. of sec. 33.

Since I have but the one set of chainmen, I measure the distance twice with this same set, and take the mean of their measurements, instead of using two sets of chainmen.

Difference between two measurements of 40.12 chs., twice by the same set of chainmen is 10 lks.; position of middle point

By 1st measurement 40.07 chs.,

By 2nd measurement 40.17 chs., the mean of which is

40.12 Find the old standard ¼ sec. cor., falling 36 lks. N. of line. It is a basalt stone firmly set in the ground, of the size, marked and witnessed as described by the Surveyor General.

The course of this line is N.89°29'E.

From this standard ¼ sec. cor. I retrace,

East on the south bdy. of sec. 33.

Difference between two measurements of 39.85 chs., twice by the same set of chainmen is 6 lks.; position of middle point

By 1st measurement 39.88 chs.,

By 2nd measurement 39.82 chs.; the mean of which is

39.85 Find the old standard cor. of secs. 33 and 34, falling 23 lks. N. of my line. It is a basalt stone, firmly set in the ground, of the size, marked and witnessed as described by the Surveyor General.

The course of this line is N.89°40'E.