

10. Resurvey of 3rd Standard Parallel N., Through Range 32 East.

Chains
80.11

The cor. of secs. 5, 6, 31 and 32, heretofore described. E. 67.50 chs., gentle W. slope. Soil, light sandy loam; surface strewn with volcanic rocks; 2nd and 3rd. rate. W. 12½ chs. level alkali flat. Soil, wet sandy and clay; with alkali; 4th rate. Undergrowth, short shadscale and some white sage brush and salt grass, on E. 67½ chs. No timber. Aug. 25, 1915.

RESURVEY OF 3rd. STANDARD PARALLEL N., THROUGH R. 32 E.

Aug. 9th and 10th.: From the Standard Corner of T. 16 N., Rs. 31 and 32 E. as established by me, I retraced East on a random line, along the 3rd. Standard Parallel North, through Range 32 E., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs., and at 480.00 chs. set temp. cor. for the Standard Corner of T. 16 N., Rs. 32 and 33 E. At the proper positions for the original ¼ sec. and sec. cors. on this line as reported set by Surveyor General, I made careful and diligent searches, but failed to find any trace of the old cors. along this entire line. The topography as shown in old notes for this line, does not agree, with that found on the ground. Therefore I make my retraced line permanent as follows:

Aug. 9: At the Standard Corner of T. 16 N., Rs. 31 and 32, I set off 16° 1' N. on the decl. arc; and at 12h 5½ p.m., l.m.t., observe the sun on the meridian, the resulting latitude is 39° 10' or within 1' of other data.

Thence

East, on S. bdy. of sec. 31.

Having only one set of chainmen, I cause all distances to be doubly checked, and the mean horizontal distances only appear in the field notes.

Over gently rolling plain, sloping to the N., through scrubby shadscale, greasewood and sagebrush.

8.30 Telephone line; Rawhide to Sand Springs, bears N. 15½° E. and S. 15½° W.

21.60 Ravine, 15 ft. deep, 70 lks. wide, course NW.

29.06 Intersect the Closing Corner of T. 15 N., Rs. 31 and 32 E., which is a trap stone, 8x8x8 ins. above ground, firmly set marked with CC T15N on S., R31 on W and R32 on E. face; unwitnessed. I build a mound of stone to S. of cor.

40.00 On gentle SW. slope, 70 ft. above tp. cor. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap mkd.,

¼S31
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and raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.

Gradually ascend land, facing to NW.

80.00 On top of gradual rise, 100 ft. above ¼ sec. cor. Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground for Standard Corner of secs. 31 and 32, with brass cap mkd.,

T16N | R32E
S31 | S32
S C
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