

August 16th 1890. at 7:42^h 9^m A.M. l.m.t. or at 10^h 08^m P.M.
 by my own magnetic standard rail road time. I observe Polaris at
 eastern elongation, in accordance with manual of instructions,
 at the cor. of secs. 23-24-25 and 26, and mark a
 point in the line thus determined by a tack driven in
 a wooden plug set in the ground 5 chs. N. of my station.

August 17- at 8. a.m. I lay off the azimuth of Polaris
 1° 40' to the west and mark the point. I considered this
 determined by a tack driving wooden plug set in the
 ground West of the point established last night,

Thence I run

N 0°-10' E, lat. secs, 23 and 24,

Ascending over stony ground sloping S.W.
 Top of ridge above, 747 ft. Below descent
 Bottom of ravine, 50 ft below next. E course 7, 10° W.
 Top of at S. side of ravine, 740 ft deep. Course 7, 65° W.
 Bottom of ravine 8, 140 ft deep. Course 7, 65° W.
 Foot of descent into dry creek bed in Harris Canon, 400 ft
 deep. S. across 3.60 W. Program ascent,
 Sand stone ledge, 79 ft high. Course 8 & 9 W.
 Top of ridge 1400 ft above creek bed. Crags 545° E & 115° W.
 Set of boulder stone 14 x 7 x 8 in. in the ground at cor. of
 Secs. 13-14-23 and 24; marked with notch on E and
 S notches on the S. edges; and raised a mound of stone
 2 ft. base, 1 1/2 ft high W. of cor. Pits impracticable.

5.65
 8.30
 33.30
 36.30
 56.30
 74.60
 76.30
 80.00

Land mountainous and broken
 Soil stony, and sandy loam; 3rd & 4th rate.
 No timber.
 Mountainous land 50.00 chs. (9)

N 89°-59' E, on a random line lat. Secs 13 and 24,

Set temp. 1/4 sec. cor.
 I intersect the E. side of Sp. at the cor. of Secs. 13-18-19 & 24,
 which is a boulder 16 x 6 x 5 in. firmly set, marked and
 returned as described by the surveyor general.

40.00
 79.60

Thence I run

S 89°-59' W, on a true line lat. Secs. 13 & 24,

Descending over stony ground sloping W.
 Bottom of Harris Canon 300 ft deep course S 60° W, Prog. asc.
 along N. side of canon, over array of broken rock.
 Set of quartzite boulder stone 14 x 10 x 8 in. in the ground
 for 1/4 sec. cor. marked from N. face, and raised a mound of
 stone 2 ft. base, 1 1/2 ft high W. of cor. Pits impracticable.
 Top of ridge 250 ft above bottom of canon, Crags S. Prog.
 descent
 Bottom of canon 52 ft below ridge course S. Prog. asc.
 Top of ridge 50 ft above ravine, course S. Prog. descent
 Bottom of ravine 150 ft below ridge, course S. Prog. asc.
 The cor. of Secs. 13-14-23 & 24

37.00
 39.80
 68.00
 62.50
 81.00
 5.20
 79.60

Land mountainous & broken
 Soil sandy and rocky; 3rd & 4th rate.
 No timber.
 Mountainous land 79.60 chs (10)