

T. 16 N., R. 45 $\frac{1}{2}$ E.

Chains

For description of instruments and establishment of meridians, refer to the field notes of the subdivisions of T. 16 N., R. 46 E., surveyed under this group and during the same periods. All azimuth is determined by deflection angles from Polaris or direct solar meridians.

SURVEY OF THE THIRD STANDARD PARALLEL NORTH THRU RANGE 45 $\frac{1}{2}$ EAST

I commence at the Std. cor. of Ts. 16 N., Rs. 45 $\frac{1}{2}$ and 46 E., which is an iron post, 3 ins. diam., firmly set, marked and witnessed as described in the field notes of T. 16 N., R. 46 E., surveyed under this same group.

West, on true line, along the S. bdy. of Sec. 36,

Over mountainous land thru medium dense timber and scattering undergrowth. Asc. 150 ft. over NE. slope.

11.30 Spur, slopes N., desc. 50 ft. along NW. slope.

17.10 Side hill drain, course N., asc. 200 ft. over broken NE. slope to $\frac{1}{4}$ sec. cor.

22.30 Minor spur, slopes N.

27.20 Draw, drains NE.

38.50 Spur, slopes N. 50° E., continue along N. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for std. $\frac{1}{4}$ sec. cor., with brass cap mkd.

SC

 $\frac{1}{4}$ S 36

1937

from which

A pinon pine, 6 ins. diam., bears N. 40 $\frac{1}{4}$ ° E., 61 lks. dist., mkd. $\frac{1}{4}$ S 36 SC BT.

A pinon pine, 4 ins. diam., bears N. 57 $\frac{1}{4}$ ° W., 77 lks. dist., mkd. $\frac{1}{4}$ S 36 SC BT.

Continue ascent.

45.00 Head of draw, drains N. 70° E., asc. 400 ft. over abrupt E. slope.

56.00 Ridge, bears N. 15° E. and S. 15° W., desc. along gradual NW. slope.

60.00 Slope changes to an abrupt, precipitous W. slope; desc. 540 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and in a large mound of stone to top of post, for std. cor. of secs. 35 and 36, with brass cap mkd.

SC

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|------|---------------------|
| T16N | R45 $\frac{1}{2}$ E |
| S35 | S36 |

1937

from which

A pinon pine, 8 ins. diam., bears N. 49° E., 54 lks. dist., mkd. T16NR45 $\frac{1}{2}$ E S36 SC BT.

A pinon pine, 11 ins. diam., bears N. 89° W., 36 lks. dist., mkd. T16NR45 $\frac{1}{2}$ E S35 SC BT.