

Independent Resurvey of a Portion of the South Boundary of

T. 19 N., R. 63 E.

Chains

dist., marked T 19 N R 63 E S 31 B T.

A pinon pine, 18 ins. dia., bears S. 75° E., 65 lks.

dist., marked T 18 N R 63 E S 6 B T.

Cor. stands 150 ft. above gulch.

Land, rolling to hilly. Limestone formation. Soil, gray gravelly loam. Juniper, mahogany, and pinon pine timber. Undergrowth, sagebrush. Fair grazing.

Independent

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From the cor. of Ts. 18 and 19 N., R. 62 E., heretofore described

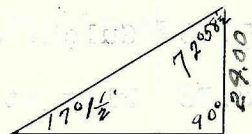
West, on a true line bet. secs. 1 and 36.

Over rough mountainous land, through heavy growth of juniper, mahogany, pinon pine, and fir timber.

Ascend precipitous E. slope. Many impassable cliffs and heavy timber make accurate chaining impracticable.

I project my line to top of ridge and set a flag; then, to determine the distance from the cor. to the flag, I lay off a base line N., 24.00 chs. to a point whence the angle bet. my station over cor. and flag on top of ridge is 72° 58 1/2'. from the flag the base line subtends an angle of 17° 1 1/2'. The angles in order of their measurement are 90°, 72° 58 1/2', 17° 1 1/2', and the distance from the cor. to flag is;

Tan. 72° 58 1/2', 3.26576 x 24.00 = 78.38



To locate point for 1/4 sec. cor., from my station over flag at 78.38 I project my line east an estimated distance and set a flag; then, to determine the distance to the flag, I lay off a base line N. 6° 11' W. 5.00 ch. to a point whence the angle bet. the flag and station at 78.38 is 76° 23 1/2', from the flag the base line subtends an angle of 7° 25 1/2'. The angles in order of their measurement are 96° 11', 76° 23 1/2', 7° 25 1/2', and the distance to the flag is  $\frac{5.00 \times \sin 76^\circ 23 \frac{1}{2}'}{\sin 7^\circ 25 \frac{1}{2}'}$