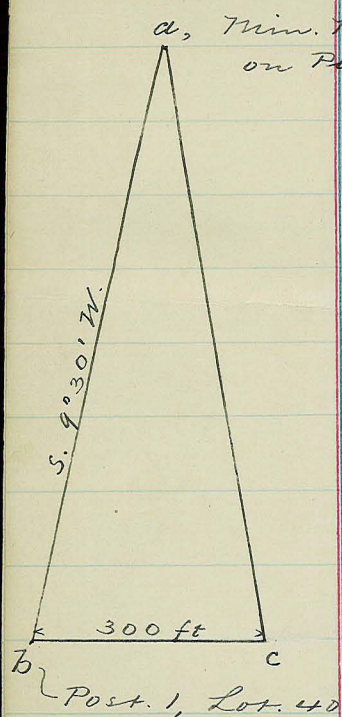


Tie-line from Post No. 1, Lot 40
to U. S. Mineral Monument
No. 1 on Pilot Peak.

Pilot Peak is the precipitous
north end of a limestone spur,
1050 feet above a certain "Dry Gulch"
which skirts its northern base,
and 950 feet above Post No. 1 of
Lot 40, which is on a low
ridge on the northern side of
said gulch. On this low ridge
I laid off upon nearly level ground
a base-line of 300 feet, and
measured the angles as shown in
the accompanying diagram and
computation.



$$\text{Angle } abc = 87^\circ 0'$$

$$\text{" } acb = 87^\circ 41'$$

$$\text{Hence angle } bac = 180^\circ - (87^\circ + 87^\circ 41') \\ = 5^\circ 19'$$

$$\sin 5^\circ 19' : \sin 87^\circ 41' :: 300 : x$$

From which $x = 3235 \text{ ft.} =$ the
distance ab , from Post No. 1
of Lot 40 to Min. Mon. No. 1
on Pilot Peak.