

Observed vertical angle =  $56^{\circ} 50'$   
Horizontal angle (from the sun to the right) =  $54^{\circ} 50'$ .  
From this observation I calculate the bearing of a  
reference stake, firmly set, centered with a tack,  
5 chs. dist. from my station, as S.  $28^{\circ} 49' 21''$   
E. The bearing of this stake as determined by  
angulation from the meridian previously established  
is S.  $28^{\circ} 50' E$ . I therefore assume that my  
meridian is correct. Mean Mag. Decl. =  $18^{\circ} 52' E$ .  
Beginning at Cor. 1 of this survey, identical with  
Cor. H-9 of the listing survey, which is a lava  
stone, firmly set, mkd. as described by the Sur.  
Gen., in place of which I set a lava stone, 26 x  
9 x 8 ins., 16 ins. in the ground, over a lava  
stone, 3 x 3 x 2 ins., mkd. with a cross (x) for  
Cor. 1 of this survey, mkd. 1-HES-71 on the side  
facing the claim, and a cross (x) on the top. No  
bearings therefore, dig pits, 24 x 24 x 12 ins.,  
crosswise on line. N.  $16^{\circ} 12' W$ , and S.  $82^{\circ} 32' E$ ,  
7 ft. dist., and raise amount of earth 4 ft. base,  
2 ft. high,  $3\frac{1}{2}$  ft. dist. within the claim.  
P.M. I observe the altitude of the sun  
May 18, 1914.  
Cor. 1 of H.E.S. No. 70 survey unapproved. A lava  
stone firmly set, showing 10 ins. above ground,  
mkd. 1-HES-70 on the NE. face and a cross (x) on  
the top, and witnessed by pits and a mound of  
earth, bears S.  $67^{\circ} 16' E$ , 90.85 chs. dist.  
May 30, 1914.  
United States Location Monument No. 243, which is a  
quartzite rock, in place 30 ft. N. and S., 20 ft.  
E. and W., and 15 ft. high, on a prominent knoll,  
witnessed by a mound of stone, 6 ft. base, and  
4 ft. high, and additionally by 2 bearing rocks.