

# Eighth Standard Parallel N.

Determined to agree with my  
Solar meridian of 5 P.M.

At 7. A.M. L.M. + Aug 18  
Set off  $41^{\circ} 22'$  on lat arc  $13^{\circ} 10'$   
on decl arc and find that  
meridian thus determined  
coincides with the P.M. solar  
and polaris observations.

The levels and Collimation  
adjustments were tested and  
found correct before any  
observations were made.

Magnetic Variation  $17^{\circ} 48' E$

Thence I survey as follows

W on S. bdy sec 36

Leave dense Aspen and Chapparrel

Descend N. slope of Mtn.

Finding no traces of old  $\frac{1}{4}$  sec  
cor. I set a quartzite stone  
 $18 \times 18 \times 8$  ins 11 ins in the ground  
for Standard  $\frac{1}{4}$  sec cor marked

S.E.  $\frac{1}{4}$  on N. face dig pits  $18 \times 18 \times 12$   
ins E and W. of cor 3 ft dist  
raise a mound of earth  $3\frac{1}{2}$   
ft base  $1\frac{1}{2}$  ft high N. of cor.

Enter dense undergrowth

Leave

2.50

6.50

40.00

43.00