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Retracement of the S. bdy of T30N. R45E

- Oct 31: at 7h. 50 m. a. m. l. m. t. I set off  $40^{\circ}24'N$  on the lat. arc;  $14^{\circ}0'S$  on the decl. arc; and determine a meridian with the solar. at the Cor. of Tps 29 and 30 N. Rs 45 and 46 E. previously described.
- West on a random line bet secs. 1 and 36
- 39.83 Fall 12 lks N of old  $\frac{1}{4}$  sec. cor. which cor. is a basalt stone  $12 \times 10 \times 8$  ins. above ground, in mound of stone, and marked and witnessed as described by the Surveyor General.
- Thencey I run,
- 8.00  $N 89^{\circ}50'E$  on a true line bet secs. 1 and 36  
Desc. gradually.  
Spring branch. 4 lks wide course N. asc.
- 26.90 Top of a spur slopes N desc;
- 39.40 Ravine 2 lks wide Course  $N 20^{\circ}E$ ; asc;
- 39.83 The ~~lat.~~ cor. of Tps 29 and 30 N. Rs. 45 and 46 E.  
From the  $\frac{1}{4}$  sec. cor.
- West on a random line bet. secs 1 and 36
- 39.40 Fall 19 lks N. of cor. of secs 1. 2. 35 and 36, which cor. is a basalt stone  $12 \times 10 \times 4$  ins. above ground, firmly set in mound of stone and marked and witnessed as described by the Surveyor General.
- Thencey I run,
- $N 89^{\circ}44'E$  on a true line bet secs 1 and 36  
Asc: steep slope of ridge.
- 25.00 Top of ridge bears N. along top of same.
- 28.50 Desc:
- 39.40 The  $\frac{1}{4}$  sec. cor.  
Land mountainous; Soil rocky 4<sup>th</sup> rate.  
Drains N.  
Some aspen timber along spring branches.  
Sage brush scattering.
- Oct 31: at the above  $\frac{1}{4}$  sec. cor. I set off  $14^{\circ}05'S$  on the decl. arc; and at 11h. 44 m. l. m. t. observe the sun on the meridian; the resulting lat. is  $40^{\circ}25'N$ , which is within 1' of the proper lat.
- West on a random line bet secs. 2 and 35
- 40.00 Diligently searched for old  $\frac{1}{4}$  sec. cor. but failed to find same. Set temp. cor.