

Township.....

Range.....

Survey of Ft Halleck

Meridian.

Chains.

North, between Sections 33 and 34.

Military Reservation

East.

On August 7th 1887 I took
 an observation on the star
 Polaris in accordance with
 instructions contained in the
 Manual of Surveys and drove
 picks on line thus established
 Survey commenced on August
 8th 1887 with a Seelhorst & Kaebler
 transit instrument
 I tested my compass on line
 established and found it correct

East azimuth $1^{\circ}42'$
 North end of needle East angle $15^{\circ}21'$
 Magnetic variation $17^{\circ}03'$

Discarded $0^{\circ}03'$ run on variation
 of 17° East