

Retracement of E. bdy. of T.32 N., R.43 E.

Chains

Survey commenced May 2, 1914, and executed with Young and Sons light mountain transits, No. 8572, and No. 8589, with ^{Smith} solar attachments. The horizontal limbs are provided with two verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. Instrument No. 8572 was approved by G. D. D. Kirkpatrick, Assistant Supervisor of Surveys, March 9, 1914, at Reno, Nevada. Instrument No. 8589 was approved by the Assistant Supervisor of Surveys at Salt Lake City.

All measurements were made with Lallies 5.00-ch. steel tapes, and slope angles were taken with Leitz clinometers. For test of instruments, see Book of T.31N., R.43 E., following retracement of sec. line bet. 1 and 6.

 Surveyed by H.W. Reppert:-

May 2: At 8h.00m.a.m., l.m.t., I set off $40^{\circ}35'N.$ on the lat. arc; $15^{\circ}16'N.$ on the decl. arc; and determine a meridian with the solar at the cor. of T.32 N., Rs.43 and 44 E., which is a juniper post 2 x 2 ins. x 2 ft. lying on the ground by a mound of stone, with markings nearly obliterated. Latitude $40^{\circ}35'N.$, longitude $117^{\circ}05'W.$; and magnetic bearing $18^{\circ}10'E.$

Thence I retrace

North, bet. secs. 31 and 36, at 40.00 and 80.00 chs. I am unable to find any old corners after making a diligent search for them.

I continue N. on same line bet. secs. 25 and 30, at 40.00 and 80.00 chs. am unable to find old corners.

May 2, 1914.

Retraced by A.T. Harris:-

May 6: At 8h.00m.a.m., l.m.t., I set off $40^{\circ}37'N.$ on the lat. arc; $16^{\circ}26'N.$ on the decl. arc; and determine a meridian with the solar at the temp. cor. of secs. 19,