

Chains

This survey was made with a Buff mountain transit No. 5059, with a horizontal limb 5 ins. diam., having two double opposite verniers, and full vertical circle 4 ins. diam., having one double vernier; the verniers read to one minute of arc. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observations:

On September 12, 1958, at Cor. No. 5, of Queen Lode No. 1, in latitude 41°03.33' N., and longitude 116°26' W., I made a series of six altitude observations on the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle to the right from Cor. No. 6 of Queen Lode No. 1.

Mean time of observation, 120th
 meridian standard time ----- 8h 25m 53s A.M.
 Declination of sun at mean time of
 observation ----- 4° 11' 57.0" N.
 Mean observed vertical angle to
 sun's center ----- 32° 09' 00"
 Mean horizontal angle from Cor. No.
 6, Queen Lode No. 1 to sun's center ---- 84° 34' 10" right
 True bearing of line 5-6 Queen
 Lode No. 1 ----- N. 31° 03' E.

The lines were measured with a new steel "chain" tape 300 feet long with an extra foot before the zero and the last foot graduated into 10ths and 100ths, the remainder of the tape marked at 1 foot intervals.

All lines and connections of the survey were run by direct methods. The tie to the Location Monument No. 4860-4861 and to Cor. No. 1 Sage Hen No. 2 lode were traversed as shown by the calculation sheets submitted herewith.

The magnetic declination observed at each corner of the survey gave a uniform value of 17°45' E.

Feet

QUEEN LODGE NO. 1

At Cor. No. 1, Queen Lode No. 1

Set an iron pipe, 36 ins. long, 1 in. diam., 24 ins. in the ground and in a mound of rock and dirt, with brass cap mkd. Q1-1-4860; from which

Location Monument No. 4860-4861 bears N. 2°29'40" E., 6,710.23 ft. dist., a brass plate 2½ ins. diam., mkd. U.S.L.M.-4860-4861, set in concrete on a rock ridge, located in Sur. No. 4861 Sage Hen No. 5 lode, and further described later.

The ¼ sec. cor. on the south boundary of sec. 35, T. 37 N., R. 49 E., M.D.M., bears S. 36°12' E., 11,016.21 ft. dist., a granite stone 20 x 15 x 8 ins., set in the ground and in a mound of rock, mkd. ¼ on the north side.

Cor. No. 1 Sur. No. 4861 Sage Hen No. 2 lode bears N. 7°25' W., 5,387.56 ft. dist.

There are no bearing trees or objects available in the area.

Thence N. 80°30' W.

300.00 Lode line; discovery bears S. 9°33' W., 423.00 ft. dist.

600.00 Cor. No. 2, identical with Cor. No. 1 Queen Lode No. 2 of this survey.