

Mineral Survey No. 5057, Nevada

FEET

This survey was made with a Wild theodolite, model T-1, serial No. 232304, with horizontal circle 3.11 ins. diam., of double-center theodolite type, and full vertical circle 3.11 ins. diam.; both horizontal and vertical circles are read by optical micrometer, reading directly to six seconds 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 angles right referred to the meridian determined by the following observation:

August 9, 1995, at a reference point on line 1-4 of the Meadow millsite of this survey, about 200 ft. dist. from Cor. No. 1, at latitude 37°23'22" N., longitude 117°33'30" W., NAD 27, elevation 7200 feet above sea level, and temperature 80° F., make a series of eight altitude observations on the sun for azimuth at approximately equal time intervals, four each with the telescope in direct and reversed positions, observing the center of the sun, and reading the horizontal angle right from Cor. No. 4 of the Meadow millsite of this survey, SW to the sun.

Mean time of observation,	
120th meridian daylight savings time	= 4:25:30 p.m.
Declination of sun at mean time	
of observation	= 15°46'13" N.
Mean observed vertical angle	
to sun's center	= 39°15'50"
Mean horizontal angle from Cor. No. 4, Meadow	
millsite, to sun's center	= 242°20'35"
True bearing to Cor. No. 4, Meadow	
millsite	= N. 17°08'00" E.

The lines were measured with a Lufkin steel tape, 100 feet in length, graduated every foot, with an add foot graduated to tenths and hundredths at the zero end of the tape; and with a Lietz electronic distance measuring instrument model Red 1A, serial No. 4371, which electronically measures and displays the slope distance to a remote point directly to the nearest one hundredth of a ft. Both the tape and EDM were compared with a baseline of known length at the time of beginning the survey, and found to be correct.

All lines and connections of this survey were run by direct methods where the lines were accessible; the inaccessible lines were run by traverse methods.

The magnetic declination observed at each corner of the survey gave a uniform value of 15°00' E.

MEADOW MILLSITE

At Cor. No. 1 of the Meadow millsite.

Found an aluminum post, 2 $\frac{1}{4}$ ins. diam., firmly set, projecting 10 ins. above the top of a mound of earth and stone, 4 ft. diam., with a 3 $\frac{1}{4}$ ins. diam. aluminum cap mkd., MDW-1, 5057; from which

The cor. of secs. 2, 3, 34, and 35, Tps. 6 and 7 S., R. 40 E., M.D.M., bears S. 52°26'35" E., 13,838.85 ft. dist.,