

## Mineral Survey No. 5045

FEET

This survey was made with a Hewlett-Packard Electronic Total Station, Model No. 3820A, Serial No. 1650A00201, which utilizes electronic horizontal and vertical circles that display measured horizontal and zenith angles directly in degrees, minutes, and seconds. All lines of this survey were measured with this instrument which uses a laser beam to measure the slope dist. from the instrument toward a reflector located at the point to be measured. The slope dist. is reduced to hor. dist. within the instrument by an electronic computing device and displays the hor. dist. directly to the nearest one thousandth of a ft. The instrument was tested and calibrated on a base line of known length before and after this survey was completed and found to be in good adjustment during the time that this survey was executed.

Bearings referred to in this record were determined by the average of two hor. angle measurements, one with the telescope in the dir. position, and one with the telescope in the rev. position. These angles were referred to the meridian by the following observations:

April 9, 1990 at Cor. No. 2 of the CRAZY 8 No. 2 lode, at latitude  $40^{\circ}55'43''$  N., and longitude  $116^{\circ}22'33''$  W., elevation approximately 5,300 ft. above sea level, barometric pressure 22.9 ins. of mercury, and temperature  $62^{\circ}$  F., make a series of eight observations on the sun for azimuth at approximately equal time intervals, four each with the telescope in the dir. position and rev. position, observing the horizontal angle right from Cor. No. 1 of the CRAZY 8 No. 2 lode and the zenith angle to the center of the sun.

Mean time of observation  
(120th meridian (P.S.T.) =  $2:58:02.0$  P.M.  
Declination of the sun at  
mean time of observation = N.  $7^{\circ}45'13.6''$   
Mean observed zenith angle  
to the sun's center =  $53^{\circ}42'16.5''$   
Mean horizontal angle right  
from Cor. No. 1 of the  
CRAZY 8 NO. 2 lode to the  
sun's center =  $155^{\circ}24'32.5''$   
True bearing to Cor. No. 1  
of the CRAZY 8 No. 2  
lode = S.  $89^{\circ}55'39''$  E.

All lines and connections of this survey were run by direct methods except as noted.

The magnetic declination observed at each cor. gave a uniform value of  $17^{\circ}30'$  E.

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 CRAZY 8 NO. 1 LODE

At Cor. No. 1 of the CRAZY 8 No. 1 lode.

Set an iron post, 24 ins. long, 2 ins. diam., 20 ins. in the ground, with a  $3\frac{1}{4}$  ins. diam. aluminum cap mkd. C8-1-1-5045; from which

The cor. of Secs. 4, 5, 8, and 9, T. 35 N., R. 50 E., M.D.M., bears S.  $48^{\circ}56'43''$  W., 1.23 ft. dist., monumented with an