Form 9180–21
(November 1967)

FEET

This survey was made with a Wild T-16 Theodolite No. 159441, with a horizontal circle 3.11 ins. diam., a full vertical circle 3.11 ins. diam., both reading to minutes utilizing the optical verniers. The instrument was in good condition at the time of the survey, and all adjustments were in good order.

Bearings referred to in this record were determined by the method of double horizontal angles referred to the meridian determined by the following observations:

March 9, 1977, at Cor. No. 2 of Blue Goose No. 1, identical to Cor. No. 4 of Blue Goose No. 2 of this survey in latitude 39°58'01" N., and longitude 116°41'25" W., elevation approximately 6040 feet above sea level, and temperature 48° F., make a series of six altitude observations on the sum for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing the horizontal angle right from Cor. No. 3 of Blue Goose No. 1, identical to Cor. No. 3 of Blue Goose No. 2 of this survey, to the sun.

Mean time of observation,
120th meridian (P.S.T.) =2:44:33 P.M.
Declination of the sun at
mean time of observation =04°15'19.4"S.
Mean observed zenith
angle to the sun's
center =58°35'51"51"
Mean horizontal angle right
from Cor. No. 3 of
Blue Goose
No. 1 to the sun's center=127°25'33"
True bearing to Cor. No. 3
of Blue Goose No. 1 =S. 76°05'E.

The lines were measured with a K. & E. steel tape 500' in length, graduated every foot, with the end foot graduated to tenths and hundredths; this tape was compared with a K. & E. Lo-Var No. 4125 at the time of beginning the survey, and found to be correct.

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

The magnetic declination observed at each corner gave a uniform value of 18° E.

Mineral Survey No. 4928

BLUE GOOSE NO. 1

At Cor. No. 1 of the Blue Goose No. 1 lode, identical to Cor. No. 1 of the Blue Goose No. 5 lode of this survey.

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