

T. 24 N., R. 69 E.

Chains

The survey of township 24 north, range 69 east, was executed with light mountain solar transits, Serial No. 1799⁴, made by Buff and Buff Manufacturing Co., and Serial Nos. 271709 and 26268⁴, made by W. & L. E. Gurley, all the property of the General Land Office. For description, date of approval, and field tests, together with the identical method of survey, see field notes of T. 23 N., R. 70 E., this group.

The data furnished with the special instructions gives the geographic position of the SE. cor. of the Tp., as follows: latitude 39° 54' 13" N., and longitude 114° 06' W.

October 12, 1940: At the cor. of Tps. 23 and 24 N., Rs. 68 and 69 E., heretofore described, at 8h 31m 29s a.m., app. t., I make a series of four altitude observations of the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angles from a flag on line about 20 chs. S., SE. to the sun.

Observation	Telescope	Sun	120° Mer. Watch time	Vertical angle	Horizontal angle
First	Direct		7h51m30s	22°32'00"	58°00'30" to SE.
Do	Reversed		7h56m30s	22°35'30"	57°50'00" do.
Mean	.....		7h54m00s	22°33'45"	57°55'15" do.
Second	Direct		7h52m00s	22°35'00"	57°56'30" do.
Do	Reversed		7h56m00s	22°31'00"	57°54'30" do.
Mean	.....		7h54m00s	22°33'00"	57°55'30" do.
Third	Direct		7h52m30s	22°38'00"	57°52'30" do.
Do	Reversed		7h55m30s	22°27'00"	58°00'30" do.
Mean	.....		7h54m00s	22°32'30"	57°56'30" do.
Fourth	Direct		7h53m00s	22°41'00"	57°49'00" do.
Do	Reversed		7h55m00s	22°22'00"	58°06'30" do.
Mean	.....		7h54m00s	22°31'30"	57°57'45"

By first observation flag bears S. 0°00'05" W.
 By second observation flag bears S. 0°00'36" E.
 By third observation flag bears S. 0°00'12" E.
 By fourth observation flag bears S. 0°00'13" E.

Mean true bearing of flag S. 0°00'14" E.

Observed magnetic declination N. 17° 30' E.

WEST BOUNDARY OF T. 24 N., R. 69 E.

From the cor. of Tps. 23 and 24 N., Rs. 68 and 69 E., described in field notes of T. 23 N., R. 69 E., executed under this group,

North, bet. secs. 31 and 36.

Over nearly level land, thru dense undergrowth.

32.20

Graded road, Tippet to Ibapah, bears N. 80° E. and S. 80° W.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.

¼
 S36 | S31
 1940

raise a mound