

South Boundary of T. 29 S., R. 66 E.

Chains.

tions, defines positions for meridians, respectively about $0^{\circ}16''$ west and $0^{\circ}11''$ east of the meridian established by the Polaris observation; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at $7^{\text{h}}20^{\text{m}}$ a. m., is $N. 15^{\circ}10' W.$; the angle thus determined gives the mag. decl. $15^{\circ}10' E.$ ✓

At $9^{\text{h}}57^{\text{m}}$ a. m., l. m. t., I set off $35^{\circ}22' N.$ on the lat. arc, $15^{\circ}29' N.$ on the decl. arc, and determine a true meridian with the solar, at the cor. of Tps. 29 and 30 S., Rgs. 65 and 66 E., already described.

Thence I run

East on the South bdy. of sec. 31

Over rough, rolling land, through scattering chaparral; descend.

2.50 Gulch, 25 ft. below sec. cor., drains $N. 50^{\circ} E.$; ascend.

7.00 Spur, 125 ft. above gulch, projects $N. 60^{\circ} E.$; descend.

9.00 Gulch, 100 ft. below spur, drains $N. 44^{\circ} E.$; ascend.

16.00 Point of spur, 50 ft. above gulch, projects $N. 38^{\circ} E.$; descend.

18.00 Gulch, 125 ft. below spur, drains $N. 44^{\circ} E.$; ascend abruptly.

30.00 Spur, 150 ft. above gulch, projects $N. 46^{\circ} E.$; descend.

40.00 Wide wash, 125 ft. below spur, drains $E.$; set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

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and raise mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Thence along wash.

44.00 Leave wash, drains $S. 30^{\circ} E.$; ascend.

48.00 Commence abrupt ascent; $N. 80^{\circ} W.$ and $S. 80^{\circ} E.$

58.50 Commence abrupt descent; $N. 45^{\circ} E.$ and $S. 85^{\circ} W.$